While many experiences this year have proven to be memorable for the AAFS, none can top our recent International Educational Outreach Program in Portugal. Plans for this trip began during my tenure as president-elect in 2010-2011. Initially, I had considered other countries for this sojourn but then realized that the date of the trip aligned well with my previously planned attendance at forensic meetings in Portugal. Through prior visits to Portugal, I had recognized that its natural beauty, history, culture, and tradition of quality forensic science presented enormous potential for the program.

Our AAFS delegation began the outreach effort on Madeira Island approximately 378 miles from the coast of Morocco and 620 miles from continental Europe. This Portuguese island and the city of Funchal provided a splendid site for the 19th Triennial Meeting of the International Association of Forensic Sciences (IAFS), the 5th Meeting of the Mediterranean Academy of Forensic Sciences (MAFS), and the 9th Triennial Meeting of the World Police Medical Officers (WPMO). Meeting participants included educational outreach delegates as well as many AAFS members who interacted with forensic colleagues from around the world. Over 1,700 colleagues from 109 countries attended these meetings creating invaluable opportunities for international communication and networking.

Through the hospitality of IAFS President Duarte Nuno Vieira, AAFS presented a full-day session focusing on our theme, “Global Research: The Forensic Science Edge.” This session included presentations by past IAFS Presidents Douglas Lucas, Eric Baccino, Barry Fisher, and Ronald Singer as well as AAFS members Rodney Englert, Peter Striupaitis, Thomas David, Adam Freeman, Robert Barsley, and Victor Weeden. Peter Aulisi, Roy Crawford, and Marcella Fierro served as discussants. This session explored many international facets of forensic science and contributed to continued global dialogue on key issues.

Following the meetings in Madeira, our delegation traveled to mainland Portugal with major stops in Lisbon, Coimbra, and Porto. In Lisbon and Coimbra, we met with our forensic counterparts and enjoyed a detailed look at the practice of forensic science in Portugal. We are very appreciative of all that Duarte Nuno Vieira did to facilitate this extraordinary international experience.

ATTENTION ALL MEETING REGISTRANTS!

The 2012 AAFS Annual Scientific Meeting Pre-Registration Form is provided in this issue of the Academy News, on page 20. Attendance at all special functions (breakfast seminars, luncheons, special sessions, and workshops) is by pre-registration only.

The deadline for pre-registration is January 25, 2012. The deadline is firm.

To ensure your full participation, don’t delay! Send in your registration form today, or go to the AAFS website (www.aafs.org) and register online! Pre-registration forms received after January 25, 2012, will be processed as on-site registrations which will VOID your registration/attendance for ALL special functions (breakfasts, luncheons, workshops, and special sessions).
Inside This Issue

President’s Message .......................................................... 1
President-Elect’s Message .................................................. 3
Gradwohl Medallion To Be Awarded .................................. 4
Distinguished Fellow Awards To Be Presented in Atlanta .... 4
AAFS Reference Series ...................................................... 5
Pierre Margot Honored with the Douglas M. Lucas Medal .. 6
International Affairs Committee ......................................... 7
Global Research: The Forensic Science Edge - General ... 8
Global Research: The Forensic Science Edge - Questioned Documents .................................................. 9
A Word From Your 2012 Program Chair ............................. 10
64th Annual Scientific Meeting Registration Fees ............. 10
64th Annual Scientific Meeting Workshops ....................... 11
64th Annual Scientific Meeting Special Sessions & Luncheon Seminars .................................................. 12
64th Annual Scientific Meeting Breakfast Seminars ............ 13
64th Annual Scientific Meeting Evening Sessions ............... 13
64th Annual Scientific Meeting Interdisciplinary Symposium .................................................. 14
64th Annual Scientific Meeting Employment Forum ......... 14
Guidelines for the Richard Rosner Award for Best Paper ... 15
Make Your 2012 Hotel Reservations Early ....................... 16
Guidelines for Presentations Using A LCD Projector ....... 17
Guidelines for Poster Presentations .................................. 18
Guidelines for Toxicology Poster Presentations ................. 19
AAFS 2012 Annual Meeting Registration Form ................. 20
Bring Your Own Slides Session Form ............................... 21
2012 Volunteer Form ....................................................... 22
Planning & Development .................................................. 24
“Go Green” With AAFS .................................................... 25
FEPAC Corner ............................................................... 26
FSF Announces the 2011-12 Awards and Grants ............... 27
FSF Contributors .......................................................... 28
In Memoriam ................................................................. 29
Section News ................................................................. 31
Applicants ...................................................................... 38
AAFS Staff Spotlight ....................................................... 52
Young Forensic Scientists Forum Newsletter ................. 53
Meetings & Conferences .................................................. 55

Future AAFS Annual Meeting Dates

February 18-23, 2013
Marriott Wardman Park
Washington, DC

February 16-21, 2015
The Peabody Orlando
Orlando, FL

February 17-22, 2014
Washington State Convention & Trade Center
Seattle, WA

February 15-20, 2016
Rio Las Vegas Hotel
Las Vegas, NV

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President-Elect’s Message

Like President Ubelaker, I write this issue’s missive fresh off of my visit to the 2011 Triennial Meeting of the International Association of Forensic Sciences in Funchal, Madeira, Portugal. I was fortunate to join a group of about 40 AAFS members and spouses who were able to attend. Amazingly, six of those members were from the Odontology Section. We were not only able to attend two scientific sessions dedicated to forensic odontology and learn about the advances discussed by our colleagues from Europe, Australia, and Asia, but to also attend the biennial meeting of the International Organization for Forensic Odonto-Stomatology (IOFOS). In addition, three members of the AAFS Odontology Section presented at the day-long AAFS Special Session on Friday. Opportunities to discuss new and refined methods as well as compare case materials and trade ideas with fellow practitioners from distant lands don’t arise frequently enough. Plans are already underway for next year’s AAFS International Educational Outreach Program (IEOP) to Turkey. Centered on the International Academy of Legal Medicine’s (IALM) XXII Congress July 4-7, 2012, in Istanbul, the IEOP will include another day of special presentations by AAFS invitees, an invitation to the Congress, and the opportunity to spend approximately a week prior to the Congress visiting historic sites such as Ephesus, Troy, Pergamum, and many others. There will also be ample time to tour the sites in Istanbul such as the Topkapi Palace, the Bazaar and the Spice Bazaar, the Blue Mosque, and the Hagia Sophia as well. Details will be provided at the IEOP meeting held on Thursday, February 23, in Atlanta.

By the time you read this, you will be able to view the information for the Academy’s 64th Annual Scientific Meeting in Atlanta. I invite you to register early in order to be assured a spot in some of the more popular sessions/workshops. Once again, there will be two days of workshops on Monday and Tuesday, breakfast seminars, and luncheon meetings throughout the week, the Plenary Session and business meetings on Wednesday, and the Scientific Sessions/presentations Thursday through Saturday morning. Meetings and presentations by numerous affiliated groups also occur in conjunction with the Academy’s Annual Meeting. The exhibit hall featuring vendors with the newest equipment and information, will be open Wednesday through Friday. Several special sessions and annual favorites will take place during the week. Keep checking the “meetings” tab on the AAFS website (www.aafs.org) for the most up-to-date information and the earliest opportunity to register. I also invite you to consider donating a special item – a one-of-a-kind or difficult to find item – to the FSF Silent Auction. Details can be accessed under the “meetings” tab as well. The auction has raised much needed funds for the Forensic Sciences Foundation at past Annual Meetings. I look forward to visiting with all of the attendees in February.
James E. Starrs to Receive Gradwohl Medallion

The American Academy of Forensic Sciences Board of Directors is very pleased to announce that James E. Starrs, LLM, Retired Fellow in the Jurisprudence Section, has been named R.B.H. Gradwohl Laureate—the Academy’s highest honor. Professor Starrs will receive the Gradwohl Medallion during the Annual Business Meeting in Atlanta, GA, on Wednesday, February 22, 2012.

The Gradwohl Medallion is conferred upon only those persons who have attained exceptional distinction in the advancement of the forensic sciences, who have given outstanding service to the AAFS over a long period of time, and who have achieved outstanding recognition in a public position through service to the forensic science profession. Gradwohl Laureates are not named regularly, but rather only when recognizing an individual of exceptional distinction. Since the award was established in 1974, only 11 other professionals have been given the honor.

Two Distinguished Fellow Awards to be Presented in Atlanta

The AAFS Board of Directors has named two 2012 Distinguished Fellows who will be recognized for their contributions to the Academy and to the profession during the 64th Annual Meeting in Atlanta, GA. James W. Osterburg, MPA, Retired Fellow in the Criminalistics Section, and Haskell M. Pitluck, JD, Fellow in the Jurisprudence Section, will be conferred with the honor of “Distinguished Fellow” during the Annual Business Meeting in Atlanta on Wednesday, February 22, 2012.

Register For the AAFS Annual Scientific Meeting
Online at www.aafs.org

The AAFS 64th Annual Scientific Meeting is just three months away and the AAFS staff is busily preparing the printed materials for the Advance Program, scheduled to be mailed in late November. The same information will be posted to the AAFS website (www.aafs.org) in early November - just follow the meeting link! All program information will be available on the web, and AAFS will update the website information weekly, even after the paper copy is mailed. You'll want to check www.aafs.org for the most accurate and up-to-date meeting information. You will be able to view, download, and print the .pdf session descriptions directly from the web. Best of all, you will be able to register online at the same time! Registering through the secure server is a safe, quick, and convenient way to register. Don't forget the pre-registration deadline is January 25, 2012!

Current Events

Gradwohl Laureates Kurt Dubowski (Toxicology) and Ken Field (General) relax during a recent visit to Colorado Springs.
For the first time ever, the American Academy of Forensic Sciences (AAFS) has compiled a set of books containing historical proceedings from meetings as far back as 2002 by section. Each section’s proceedings are now separated and edited into their own book(s). The author index makes it possible to look up your papers at a glance. The books are free electronically and also available in hardcover at cost online.

**How to Order Hardcover and eBook:** Both will be available on the AAFS website after testing is completed. To order now, go to: www.biomedicalforensics.com/american-academy-of-forensic-sciences-reference-series.php. Click on AAFS Books. You can download a FREE electronic version or order a hardcover at cost (listed below):

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Download electronic versions for each book at no cost (FREE).

Laura Liptai from the Engineering Sciences Section has had the honor of working with many AAFS members to compile these books under the direction of the AAFS Executive Committee/Staff as well as counsel from Richard Rosner and Haskell Pitluck. The following section leaders have made important contributions to their respective book(s):

**Criminalistics:** Susan M. Ballou, MD, and Barbara E. Llewellyn, PhD

**Digital & Multimedia Sciences:** Carrie M. Whitcomb, MSFS, Zeno J. Geradts, PhD, and David W. Baker, MFS

**Engineering Sciences:** Laura L. Liptai, PhD, and Anastasia Micheals, MS, with early input from Thomas L. Bohan, PhD, JD, and Steven C. Batterman, PhD

**General:** Robert C. Gaffney, MFS, and Julie A. Howe, MBA

**Jurisprudence:** Betty Layne DesPortes, JD, and Joseph J. Maltese, JD

**Odontology:** Robert E. Barsley, DDS, JD, and Robert B. J. Dorion, DDS

**Pathology/Biology:** Victor W. Weedn, MD, JD, Gregory G. Davis, MD, and Jeffery K. Tomberlin, PhD

**Physical Anthropology:** Douglas H. Ubelaker, PhD, Norman J. Sauer, PhD, and Susan M.T. Myster, PhD

**Psychiatry & Behavioral Science:** Stephen B. Billick, MD, and Daniel A. Martell, PhD

**Questioned Documents:** William M. Riordan, BA, and Carl R. McClary, BA

**Toxicology:** Barry K. Logan, PhD, Jeri D. Ropero-Miller, PhD, and Philip M. Kemp, PhD

The Academy Staff made this possible by consistently delivering excellence: Anne Warren, Executive Director; Sonya Bynoe, Publications & Website Coordinator; Debbie Crockett, Finance Manager; Sondra Doolittle, Meetings & Exposition Manager; Phyllis Gilliam, Receptionist; Salena Grant, Assistant Meetings Manager; Cheryl Hunter, Membership Coordinator; Nancy Jackson, Director of Development & Accreditation; Tracie McCray, Accounting Assistant; Christie Vigil, Membership Assistant; and Kimberly Wrasse, Executive Assistant.
During the recent 2011 International Association of Forensic Sciences (IAFS) 19th Triennial Meeting in Funchal, Madeira, Portugal, Dr. Pierre A. J-L. Margot was presented with the AAFS Douglas M. Lucas Medal by AAFS President Douglas Ubelaker. In recognition of this honor, Dr. Margot presented the Lucas Lecture, “Forensic Science Culture: Where and How Can This Be Acquired?” during the IAFS Meeting. Dr. Margot, Fellow in the Criminalistics Section, was selected by the AAFS Board of Directors to commemorate his significant professional contributions to forensic science, and in particular, his pioneering work in the friction ridge pattern forensic science discipline.

The Lucas Medal was first established in 1999 by the Academy to be presented triennially at the IAFS meeting to a person who has made internationally recognized contributions to forensic science. The first recipient was Sir Alec J. Jeffreys (1999), the founder of the DNA-based testing for forensic purposes; the second recipient was Dr. Alan S. Curry (2002) for his vast contributions to the field of forensic toxicology; the third recipient was Dr. Joseph Almog (2005) for his contributions to forensic science/forensic medicine; and the fourth recipient was Dr. Clyde C. Snow (2008) for his significant accomplishments in forensic anthropology.
Japan
In March 2011, East Japan suffered a devastating earthquake followed by tsunami waves with resulting damages to nuclear plants in Fukushima. AAFS and NAME immediately contacted the Japanese Society of Legal Medicine (JSLM) to offer any assistance needed. The head of DVI team, Yasuhiro Aoki (Pathology/Biology), will report on his work at the Annual Meeting in Atlanta. The Japanese Society of Legal Medicine was established in 1914. Its 100th Anniversary Meeting will be held in three years. The Society publishes a journal, Legal Medicine, and has a current membership of 1,300. There are no specific sections as in the AAFS, but service interests cover forensic pathology, forensic toxicology, forensic genetics, forensic odontology, forensic anthropology, and medical law. Membership is represented from the University Departments of Legal Medicine, National Research Institute of Police Science (NRIPS), Prefectural crime laboratories, medical examiners, and physician members. The Japanese Society has regularly sponsored the Triennial Meeting of International Symposium Advances in Legal Medicine (ISALM), which was held this past September in Frankfurt, Germany.

Malaysia
Currently Malaysia has a colonial death investigation system akin to that in Singapore as it was formerly under British rule. Within the capital city (Kuala Lumpur), there are three different centers that carry out forensic pathology work — two under the Universities and one under the General Hospital in Kuala Lumpur.

Philippines
There does not seem to be any legislation establishing a formal death investigation system. Forensic autopsy work is carried out by histopathologists with some form of forensic pathology training. They either work in the National Bureau of Investigations (NBI), the Philippines National Police (PNP), or as freelancers (with academia/universities).

Indonesia
Forensic work is carried out by forensic departments within universities/academic institutions, and cases are referred by the local police.

South Korea
Forensic pathologists come under the Forensic Medicine Division of the National Forensic Service (NFS) based in Seoul. It has a number of satellite offices in other main cities in South Korea. The status of the NFS is akin to a federal agency in the U.S. At the IAFS Meeting, Dr. Sang Ki Lee, National Forensic Service, Drug Testing Division, was elected IAFS President and will hold the next IAFS Triennial Meeting in 2014 in South Korea.

Thailand
Forensic pathology services are provided by forensic pathologists at the Central Institute of Forensic Sciences (CIFS, Thailand) to handle cases in the Bangkok area and in nationally sensitive cases, as well as by forensic practitioners associated with academic institutions. Some CIFS pathologists have spent time studying in the U.S.

Mainland China
The first Textbook on Forensic Medicine published in the world, the Hsi Yuan Chi Lu (The Washing Away of Wrongs), was in 1247 by Song Ci (1186-1249). Currently, Mainland China has a Forensic Physician program providing one-to-two years of supervised forensic training, immediately following graduation from medical schools. Mainland China has a population of 1.33 billion and at least 3,000 full-time forensic physicians.
Global Research: The Forensic Science Edge

General Section Global Perspectives

Sources: Julie Howe, MBA, General Section Chair; Lawrence A. Presley, MS, Criminalistics Section Fellow; Robert C. Gaffney, MFS, General Section Fellow

The General Section was loosely established in 1967 for those individuals who did not fit into the existing Academy sections. Since that time, the General Section has grown to 695 current active members, of which 48 are from outside the United States (June 2011 membership list.) The Section has fourteen sub-disciplines that are responsible for investigating, collecting, preserving, and identifying forensically relevant evidence as well as education and research in the field. Each of these arenas has a global perspective that would require more space than this article to cover thoroughly. Therefore, current global trends are highlighted below that have an overall impact on the public and justice systems, and are by no means inclusive of all General Section activities.

Forensic nurses are positively impacting developing countries and ensuring that forensic nursing science is leveraged to protect human rights of vulnerable individuals. Several Fellows within the section are active overseas in training physicians and nurses in forensic examination procedures, as well as human trafficking, child abuse, women’s rights, and war-related mass casualty death investigations. Projects are based in Zimbabwe, Kenya, Peru, Central America, Portugal, and Italy.

There have been many changes in technology affecting the use of science to adjudicate those responsible. DNA analysis is not internationally standardized. Many analyses that are accepted in the United States are not accepted in other countries. The loci standard for DNA examination in the United Kingdom is based on 11 markers, while the U.S. requires 13. This means that a DNA profile cannot be transferred from a crime lab in the United Kingdom to the United States.

Similarly, most countries require certain characteristics to constitute a fingerprint match, while the United States does not have any numerical standard. This could mean that a match in the United States may not mean a match in another country.

The growing interest and research in “Virtopsy,” or virtual autopsy with sectional imaging (CT and MRI), is ongoing extensively with cross communication in Western Europe, the Middle East, Asia, Australia, and the U.S. The virtual autopsy has stimulated the use of sectional imaging via post-mortem, pre-autopsy imaging of decedents. Research suggests that virtual imaging supplements the autopsy by enabling broader and more systematic exams. Sweden is routinely performing imaging exams in conjunction with forensic examinations. Medical examiner facilities in the United States, including Dover Air Force Base and the Baltimore and Albuquerque Medical Examiner’s Offices, are currently utilizing this technology.

Currently, there are 19 Scientific Working Groups (SWGs) in existence. Several SWGs foster international collaboration to establish best practices or guidelines within their respective discipline. The purpose of SWG Disaster Victim Identification (SWGDVI) is to advance the scientific basis for disaster victim identification by assembling professionals from the DVI community, including international participants, in a collaborative effort to exchange ideas regarding scientific analysis methods, protocols, training, and research related to DVI. Three of the nine permanent member agencies are international in scope (INTERPOL, International Commission on Missing Persons, and the International Committee on the Red Cross.)

The Scientific Working Group on Bloodstain Pattern Analysis (SWGSTAIN) published a terminology list in 2009, which discontinues the use of velocity based stain nomenclature (high, medium, and low spatter) based upon a more conservative approach to pattern classifications. The list was adopted by the International Association of Blood Stain Pattern Analysts (IABPA) in October 2009, and then by the International Association of Identification (IAI). The list is being utilized by the Collaborative Testing Services (CTS) which provides proficiency testing in blood spatter analysis.

Several international organizations exist to support educational efforts, journals and the creation of standardized protocols for various disciplines, including the International Association of Forensic Nursing (IAFN), International Association of Coroners and Medical Examiners, and IAI. International certifying organizations, including the American Board of Medicolegal Death Investigators (ABMDI) IAI, IAFN, and The Institute of Certified Forensic Accountants establish best practices for their respective disciplines.

Section members are involved in global training by both going abroad to teach blood spatter, profiling, crime scene investigations, medicolegal death investigation, forensic nursing, credibility assessment, accident investigation, archaeology, etc. and by also welcoming international attendees to formal education and continuing education programs within the United States.

There needs to be a cooperative effort to further agreements among countries. For example, mass disasters often involve multiple nationalities, requiring countries to work in concert to identify decedents and be the representative for families. Unlike other countries, continued on page 35
The field of Forensic Document Examination (FDE) internationally has a glorious history, and we feel that a portion of American history bears repeating here since it has provided a broad based influence. Until Homer vs. Wallisin 1814, no handwriting standards were admissible in U.S. courts. Toward the end of that century, various publications emerged on the subject of FDE, culminating with prominent publications such as Daniel Ames’ Ames on Forgery (1900) and Albert Osborn’s Questioned Documents (1910). These, and the support from legal luminaries such as John Henry Wigmore, Dean of the Law Faculty at Northwestern University, contributed greatly to the passing of the 1913 U.S. statute which officially admitted known handwriting standards for comparison in the Federal court system. The field of FDE subsequently provided key evidence in such explosive cases as the Lindberg kidnapping, Lee Harvey Oswald’s gun purchase receipt, the Hitler diaries, the Salamander case involving the Mormon Church documents, the Unabomber letters identified to Ted Kaczynski’s typewriter, and bogus documents regarding the Texas National Guard service of President George W. Bush. A significant part of FDE professional history began with the 1942 formation of the American Society of Questioned Document Examiners (ASQDE), one of the world’s oldest societies dedicated to the forensic science of questioned document examination. The ASQDE provided a formal setting for the exchange of information and research for American examiners and those worldwide seeking knowledge of the subject. The long-term international relationships and partnerships forged by the ASQDE and Questioned Document Section of the AAFS continue to promote the validity, innovation, and highest-quality standards that comprise FDE techniques.

Research on Frequency of Letterform Occurrence

On a global scale, the FDE handwriting identification discipline tenet of handwriting individuality has benefitted from formal research, Dr. Sargur Srihari, et al., utilized digital imaging to study handwriting individuality by comparing the writings of twins, since twins are more likely to have the same genetic and environmental influences on their writing habit development than non-twins. The results for non-twins were also consistent with the results of a previous study of the general population. That landmark large-scale project by Srihari provided a computational method for handwriting analysis and provided statistically significant test accuracy rates for determining whether two handwriting samples were written by the same person. Another computer-based matching system under development is the Forensic Language-Independent Analysis System for Handwriting Identification (FLASH-ID), which is being conducted by the FBI, George Mason University, and Gannon Technology Group. FLASH-ID software performs critical assessments of handwriting feature graphemes, which have resulted in significant source writer/matching rates.

The European Sector

The HAAS Typewriter Atlas, first developed by Josef Haas of Germany, was the vanguard in the area of typewriter identification. Haas’s son, Bernard, made the typewriter atlas available publicly worldwide in 1972. The original Haas Atlas provided a comprehensive set of pica typewriter mark-ups for comparison purposes and the latter included non-pica machines. The Haas Atlas material was later indexed digitally by Philip Bouffard in the U.S., greatly enhancing the combined data for use in countless examinations worldwide. The Bouffard Index is currently being upgraded to function in a Windows environment.

More recently, the European community has been active in standards development and research through the European Experts Working Group (EDEWG) and the European Network of Handwriting Experts (ENFHEX), both working groups of the European Network of Forensic Science Institutes (ENFSI). EDEWG is composed of three subgroups: ink dating, ink and toner analysis, and non-destructive examination of printing products. EDEWG, formed in 1998, has developed training and examination procedure standards similar to those published by the FDE profession in the U.S. through ASTM International. The focus on methods and procedures for Questioned Document Examination promoted by these standards, have served the intended goal of promoting consistency among practitioners in the field of FDE. An initiative in 1997 by ENFHEX was to develop a collection of hand-printed copybook examples as a reference for Latin based languages from various countries. The primary purpose was to have a database of

continued on page 36
A Word From Your 2012 Program Chair

It’s hard to believe, but in four months we will all be gathering in Atlanta for the 2012 AAFS Annual Meeting. The weather should be quite nice. The Atlanta Marriott Marquis, which will be hosting the conference, has recently been renovated which should provide a superb setting for our meeting. All of these factors, in conjunction with the ever-present southern hospitality, should make for an outstanding time. If you haven’t made your hotel reservations yet, I would highly recommend you not wait too long to book your room. In order to receive the group rate, hotel reservations must be made by January 13, 2012. However, historically the hotels fill up fast and they can only honor the rate if they have rooms left. The AAFS has gone to great lengths to ensure great prices for hotel accommodations. I would highly recommend you take advantage of their hard work and bargaining. Beginning mid-November, you will be able to go online at www.aafs.org and register for the meeting. Remember, faxed registration forms are no longer accepted. While you’re at the website, you can also pay your 2012 AAFS dues if you’re ready.

This month, AAFS staff will be mailing letters to submitting authors notifying them that their presentation has either been accepted or rejected. October was also a busy month for the AAFS staff. The Advanced Program for the Atlanta meeting was finalized and sent to the printer. This could not have happened without the hard work by each section program chair and co-chair that compiled the approved presentations and put them into a sequential schedule for the AAFS staff to polish and publish.

Finally, with November being the month when we give thanks, I wanted to take this opportunity to express my sincere appreciation to everyone who has taken the time to help build a fantastic program for 2012. This heartfelt gratitude is extended to those who sacrificed their time and took a concept and crafted it into an abstract; for those who reviewed and approved those abstracts and put them into a logical order to enhance the presentation flow; and finally, to the AAFS staff who orchestrated all the instruments into a fine-tuned scientific symphony that will educate and entertain everyone who attends the AAFS 2012 Annual Scientific Meeting.

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2012 Workshops Announced

Twenty-one workshops have been accepted for the 2012 AAFS Annual Scientific Meeting offering a wide range of topics. Workshops are an excellent means to meet your continuing education needs while maintaining and expanding your knowledge of your specific forensic discipline. Many workshops have limited registration, so complete the pre-registration form on page 20 today!

**Monday — February 20**

1. **#1 8:30 a.m. - 12:15 p.m.** High-Profile Cases: The Los Angeles Experience  
   *Chair:* Lakshmanan Sathyavagiswaran, MD; *Co-Chair:* Christopher B. Rogers, MD

2. **#2 8:30 a.m. - 12:15 p.m.** Postmortem Monocular Indirect Ophthalmoscopy Workshop  
   *Chair:* Patrick E. Lantz, MD; *Co-Chair:* Lezah P. McCarthy, MD  
   Registration is limited to the first 30 registrants. Registration is restricted to AAFS members until January 15, 2012.

3. **#3 8:30 a.m. - 5:00 p.m.** Advanced DNA Mixture Interpretation and Statistical Approaches  
   *Chair:* Debra A. Figarelli, BS; *Co-Chair:* Debra E. Glidewell, MS  
   Two-day workshop (Monday & Tuesday).

4. **#4 8:30 a.m. - 5:00 p.m.** Sex-Related Homicide and Death Investigation: Practical and Clinical Perspectives - Significance of Pornography, Sexual Deviance, Autoerotic Fatalities, Signature and MO, Serial Murder Investigation, as Well as the Increase in African American Serial Killers Involved in These Events  
   *Chair:* Vernon J. Geberth, MS; *Co-Chair:* Anny Sauvageau, MD  
   Registration is limited to the first 100 registrants.

5. **#5 8:30 a.m. - 5:00 p.m.** Paper Fundamentals for Forensic Document Examiners  
   *Chair:* Elaine Wooton, MFS; *Co-Chair:* Peter V. Tytell, BA  
   Registration is limited to the first 18 registrants. Registration is restricted to AAFS members until January 15, 2012.

6. **#6 8:30 a.m. - 5:00 p.m.** Practical Ethics in Forensic Science - A Multidisciplinary Call to Arms  
   *Chair:* J.C. Upshaw Downs, MD; *Co-Chair:* Anjali R. Swienton, JD

7. **#7 8:30 a.m. - 5:00 p.m.** Preparation and Strategic Planning for Accreditation of Forensic Laboratories Based on the ISO/IEC 17025 International Standard  
   *Chair:* Ashraf Mozayani, PhD, PharmD; *Co-Chair:* Laurel J. Farrell, BA

8. **#8 8:30 a.m. - 5:00 p.m.** Examination and Analysis of Explosives and Device Construction/Components  
   *Chair:* Chris E. Taylor, BS; *Co-Chair:* Thomas J. Hopen, MS  
   Two-day workshop (Monday & Tuesday). Registration is limited to the first 18 registrants.

9. **#9 8:30 a.m. - 5:15 p.m.** What Did You Just Step In?!! Use Forensic Soil Examinations to Find Out  
   *Chair:* Skip Palenik, BS; *Co-Chair:* William Schneck, MS  
   Two-day workshop (Monday & Tuesday). Registration is limited to the first 18 registrants.

10. **#10 8:30 a.m. - 5:30 p.m.** Drug Enforcement Administration U.S. Customs and Border Protection Forensic Mobile Device Workshop  
    *Chair:* Rhesa G. Gilliland, MS; *Co-Chair:* Samuel I. Brothers, BBA  
    Registration is limited to the first 75 registrants.

11. **#11 8:30 a.m. - 5:30 p.m.** Digital Photography for Forensic Document Examiners  
    *Chair:* Ted M. Burkes, BS; *Co-Chair:* Joseph L. Parker, MSA  
    Registration is limited to the first 30 registrants. Registration is restricted to AAFS members until January 15, 2012.

12. **#12 8:30 a.m. - 5:30 p.m.** Humanitarian Forensic Science: The Forensic Investigation of Human Remains From Armed Conflicts and Catastrophes  
    *Chair:* Morris V. Tidball-Binz, MD; *Co-Chair:* Duarte N.P. Vieira, PhD, MD

13. **#13 1:00 p.m. - 5:00 p.m.** Estimating Uncertainty in Weights: Hands-On Workshop Using SWGDRUG Document SD3  
    *Chair:* Suzanne Bell, PhD; *Co-Chair:* Sandra E. Rodriguez-Cruz, PhD  
    continued on page 12
2012 Workshops cont.

#14 1:00 p.m. - 5:00 p.m. Using Pharmacokinetics to Analyze Forensic Toxicology Cases  
Chair:  David M. Benjamin, PhD; Co-Chair:  Dwain C. Fuller, BS

Tuesday — February 21

#15 8:30 a.m. - 12:00 p.m. Hell on Earth Just Another Day at Work: An Overview of the Tri-State Crematory Catastrophe  
Chair:  J.C. Upshaw Downs, MD; Co-Chair:  Kris L. Sperry, MD

#16 8:30 a.m. - 12:00 p.m. Applications of 2D and 3D Geometric Morphometrics in Forensic Comparisons  
Chair:  Howard A. Harris, PhD, JD; Co-Chair:  Victor W. Weedn, MD, JD

#17 8:30 a.m. - 12:30 p.m. Advances in Asphyxia by Strangulation for Pathologists and Anthropologists  
Chair:  Anny Sauvageau, MD; Co-Chair:  Joao E.S. Pinheiro, MD

#18 8:30 a.m. - 4:30 p.m. Deadly by Design: Forensic Toxicology, Adverse Effects of Synthetic Cannabinoids, and Novel Designer Drugs (“Bath Salts”)  
Chair:  Brianna Peterson, PhD; Co-Chair:  Barry K. Logan, PhD

#19 8:30 a.m. - 5:00 p.m. The Anatomy of Error: Dissecting Adverse Events to Strengthen the Forensic Sciences  
Chair:  Susan M. Ballou, MS; Co-Chair:  Melissa K. Taylor, BA

#20 8:30 a.m. - 5:30 p.m. Flawed Forensics: Recognizing and Challenging Misleading Forensic Evidence and Disingenuous Expert Testimony  
Chair:  Andrew Sulner, MSFS, JD; Co-Chair:  Joseph J. Maltese, JD

#21 1:00 p.m. - 5:30 p.m. Innovation in Forensic Image and Video Analysis  
Chair:  Zeno J. Geradts, PhD; Co-Chair:  Richard W. Vorder Bruegge, PhD

2012 Special Sessions - Pre-Register Today!

Tuesday — February 21

S1 8:00 a.m. - 12:00 p.m. Interdisciplinary Symposium – International and Interdisciplinary Research Symposium… Now Boarding  
Chair:  Laura L. Liptai, PhD; Co-Chair:  Carla M. Noziglia, MS

S2 8:30 a.m. - 5:45 p.m. Young Forensic Scientists Forum – Contemporary Topics in the Forensic Science Community  
Chair:  Martin K. Overly, MSFS; Co-Chair:  Lindsey E. Crass, BS

2012 Luncheon Seminars

An educational venue is being offered again at the 2012 AAFS Annual Scientific Meeting in the form of Luncheon Seminars. The luncheons will follow the same model of the breakfast seminars with the presentations focusing on intellectually challenging and stimulating topics. Don’t miss this opportunity to have lunch with colleagues from various disciplines and to listen to the presentations. The luncheons are available by pre-registration only. See page 20 to register!

Thursday — February 23

L1 12:00 p.m. - 1:30 p.m. An Analysis of a Mine Incident That Led to Deaths Due to an Unknown Confined Space Hazard  
Gerald A. MacIntyre, DVM

Friday — February 24

L2 12:00 p.m. - 1:30 p.m. Odor Mortis: What Is It Anyway?  
Jeffrey L. Ashton, JD; Bernard A. Raum, JD; Arpad A. Vass, PhD; Jan C. Garavaglia, MD; Bruce A. Goldberger, PhD
2012 Breakfast Seminars — Pre-Register Today!

You will not want to miss the 2012 Breakfast seminars (pre-registration only) arranged by Chair Pamela Hamme and Co-Chair Todd Fenton. You will enjoy a wonderful breakfast — buffet style — with fresh fruit, muffins, and dry cereal, in addition to ham, bacon, sausage, scrambled eggs, hash browns, pastries, juices, coffee, tea, and milk. Breakfast is from 7:00 a.m. to 7:25 a.m., with the special presentation scheduled to conclude at 8:30 a.m., in time to join your colleagues for the scientific sessions.

**MONDAY — FEBRUARY 20**

B1 7:00 a.m. - 8:30 a.m.  
Postmortem Examination and Personal Identification of Victims of the Great East Japan Earthquake  
*Yasuhiro Aoki, MD, PhD*

**TUESDAY — FEBRUARY 21**

B2 7:00 a.m. - 8:30 a.m.  
The Cleveland Cyanide Murder Case: A Multidisciplinary Approach to Crime Investigation Including Chemical Identification, Cause of Death, Capture, and Court Proceedings  
*Douglas E. Rohde, MS; Amanda J. Jenkins, PhD; Elizabeth K. Balraj, MD; Gary McKee, BA*

B3 7:00 a.m. - 8:30 a.m.  
Forensic Science and Cultural Heritage – Examination of the Gettysburg Address  
*Henry Swofford, BS; Fenella France, PhD*

**WEDNESDAY — FEBRUARY 22**

B4 7:00 a.m. - 8:30 a.m.  
Theater of the Absurd - Ethics and the Truth Versus the Fiction of the Courtroom  
*J.C. Upshaw Downs, MD; Anjali R. Swienton, JD*

**THURSDAY — FEBRUARY 23**

B5 7:00 a.m. - 8:30 a.m.  
The Battle of Gettysburg: How Today's Technology Connected Jennie Wade to Abraham Lincoln After 145 Years  
*Rod Engert, BS; John Sotos, MD*

B6 7:00 a.m. - 8:30 a.m.  
Tables Turned: An Unsuccessful Case of a Newborn Kidnapping by Caesarian Section  
*Robert J. Morton, MS*

**FRIDAY — FEBRUARY 24**

B7 7:00 a.m. - 8:30 a.m.  
The Tale of the Black Cow, Granny, and How Animal DNA and Branding Experts Exonerated a Man From Wikieup, AZ  
*Jason D. Ricke, JD, LLM*

B8 7:00 a.m. - 8:30 a.m.  
Thomas Krauss Memorial Bitemark Breakfast – Fantasy of Forensics: How Junk Science Failed to Persuade the Jury in the Casey Anthony Case  
*Jose A. Baez, JD*

**2012 Evening Sessions - Open to All Registered Attendees**

**TUESDAY — FEBRUARY 21**

ES1 8:00 p.m. - 10:00 p.m.  
The Casey Anthony Trial — From the Defense, Medical, and Scientific Viewpoint  
*Linda K. Baden, JD; Jose A. Baez, JD; Haskell M. Pihlueck, JD; Jane H. Bock, PhD; Anthony B. Falsetti, PhD; Kenneth G. Furton, PhD; Timothy E. Huntington, PhD; Lawrence Kobilinsky, PhD; Kathleen J. Reichs, PhD; Barry K. Logan, PhD*

**FRIDAY — FEBRUARY 24**

ES2 8:00 p.m. - 10:00 p.m.  
National Missing and Unidentified Persons System (NamUs) Best Practices for System Use  
*Bruce E. Anderson, PhD; Randy L. Hanzlick, MD; J.C. Upshaw Downs, MD; Daniel J. Warren, MS; Kevin Lothridge, MSM; Billy Young, BS; Carrie B. Sutherland, BS*
The AAFS will be hosting its seventh annual Employment Forum at the upcoming meeting in Atlanta, GA. The intention is to provide a means for employers and applicants to meet, exchange information, conduct informal interviews, or schedule interviews for later in the week.

This special event will be held on Tuesday, February 21, 2012, from 6:00 p.m. - 7:00 p.m., located across the foyer from the AAFS Welcoming Reception.

Space is limited! Employers, to reserve your place at the Employment Forum, please contact Sondra Doolittle at the AAFS office by email: sdoolittle@aafs.org, or fax: (719) 636-1993. Sondra will be happy to answer any questions you may have. Plan on joining us for the AAFS Annual Meeting Employment Forum!

Annual Meeting Employment Forum

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Special Accommodations

If you have a disability that may impact your participation at the AAFS 64th Annual Scientific Meeting, please check the appropriate box on the AAFS Pre-Registration Form (page 20), and include a statement regarding your special needs. A staff person from the AAFS headquarters will contact you prior to the meeting to discuss accommodations. Availability of appropriate accommodations cannot be ensured without prior notification of need.
The Psychiatry & Behavioral Science Section of the American Academy of Forensic Sciences announces its annual award, “The Richard Rosner Award for the Best Paper by a Fellow in Forensic Psychiatry or Forensic Psychology.” To qualify: 1) the paper should have been completed as part of the work of the forensic fellowship year, OR within one year of the completion of the forensic fellowship year based upon work or research that took place during that year, 2) the paper must have not been previously published, and 3) submission constitutes permission for publication in the Journal of Forensic Sciences.

To apply for the award: 1) send the original paper, plus six copies, 2) send an original letter, plus six copies, from the director of the forensic fellowship program affirming that the author was a forensic fellow and the year of the author’s forensic fellowship, and 3) send seven copies of the author’s curriculum vitae. All submissions should be sent to: Sondra Doolittle, AAFS, 410 North 21st Street, Colorado Springs, CO 80904. Submissions must be received by December 31.

The award consists of:
- Free membership for one year in the Psychiatry & Behavioral Science Section of the AAFS, if the author meets the requirements and completes the application process;
- Free registration to the 2012 AAFS Annual Scientific Meeting;
- Acceptance of the paper for presentation at the Psychiatry & Behavioral Science Section’s Business Meeting;
- Free subscription for one year to the Journal of Forensic Sciences;
- Recommendation of publication to the Editorial Board of the Journal of Forensic Sciences; and
- A cash award of $350 to the author.

To Make Your Reservations:
- Call: 1-800-328-1111
- Provide the meeting file number: NM7QX

Restrictions:
- Travel dates for discounted fares: February 12-29, 2012
- Discounts applicable to U.S./Canada originating passengers
- The discount does not apply to fares that are less than $125 (USD/CAD) base one-way or $250 (USD/CAD) base round-trip.

Need a Car in Atlanta? Rent From Hertz

The Academy has selected Hertz® (www.hertz.com) as the official car rental agency for the 64th Annual Scientific Meeting to be held February 20-25, 2012, in Atlanta. To reserve a vehicle at our special meeting rates, go to the AAFS website at www.aafs.org:

1. Click on the “Meetings” tab.
2. Click on “AAFS Annual Meeting.”
3. Click on the “Ground Transportation” button.
4. Click on the Hertz® logo to go to the Hertz® website.
5. Make sure the “I have a discount (CDP, PC, Coupon or other code)” box is checked and the code 04E70003 is entered in the “Convention Number - CV” box.

You may also provide the CV# (04E70003) to your corporate travel department or travel agent when making reservations. You can also make reservations online at Hertz.com or call Hertz directly:
- In the U.S. and Canada: 1-800-654-2240
- Other: 1-405-749-4434

Guidelines for the Richard Rosner Award for the Best Paper

The Psychiatry & Behavioral Science Section of the American Academy of Forensic Sciences announces its annual award, “The Richard Rosner Award for the Best Paper by a Fellow in Forensic Psychiatry or Forensic Psychology.” To qualify: 1) the paper should have been completed as part of the work of the forensic fellowship year, OR within one year of the completion of the forensic fellowship year based upon work or research that took place during that year, 2) the paper must have not been previously published, and 3) submission constitutes permission for publication in the Journal of Forensic Sciences.

To apply for the award: 1) send the original paper, plus six copies, 2) send an original letter, plus six copies, from the director of the forensic fellowship program affirming that the author was a forensic fellow and the year of the author’s forensic fellowship, and 3) send seven copies of the author’s curriculum vitae. All submissions should be sent to: Sondra Doolittle, AAFS, 410 North 21st Street, Colorado Springs, CO 80904. Submissions must be received by December 31.

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Academy News
Make Your Hotel Reservations Early!

AAFS 64th Annual Scientific Meeting
February 20-25, 2012
Atlanta Marriott Marquis Hotel
Atlanta, Georgia, U.S.A.

For hotel availability during the American Academy of Forensic Sciences 64th Annual Scientific Meeting, go to the AAFS website, click on the “Make Your Atlanta 2012 Hotel Reservation” link under the News & Current Events heading. Choose the hotel for your stay during the meeting. Click on hotel logos, photo, or the link provided in the hotel information paragraph. By using one of these links, you will receive the group rate for your stay during the AAFS Annual Scientific Meeting.

Atlanta Marriott Marquis
(Headquarter Hotel)
265 Peachtree Center Avenue
Atlanta, GA 30303 U.S.A.

Single/Double: $192

In order to receive the meeting rate, you must make your reservations through the online system or by calling 1-800-266-9432. The group rate is available Friday, February 17, through Saturday, February 25, 2012.

Reservations must be made by January 13, 2012, or prior to the room block being exhausted. Reservations received after January 13, 2012, will be based on availability at the hotel’s prevailing rate.

Hilton Atlanta
(Overflow Hotel)
255 Courtland Street, NE
Atlanta, GA 30303 U.S.A.

Single/Double: $189

Telephone reservations can be made from the Atlanta area by calling (404) 221-6300 or toll-free by calling 1-877-667-7210. In order to receive the group meeting rate, you should use the Group Code: AFS. The group rate is available Monday, February 20, through Friday, February 24, 2012 (with check-out on Saturday, February 25, 2012).

Telephone:
Within the Atlanta area call: 404-221-6300
Outside the Atlanta Area call toll-free: 1-877-667-7210
Use the Group Code: AFS

To receive the convention rate, reservations must be made by January 13, 2012, or prior to the room block being exhausted. Reservations received after January 13, 2012, will be based on availability at the hotel’s prevailing rate.
AAFS Guidelines For Presentations Using A LCD Projector

IMPORTANT MESSAGE:
Computers may not automatically be provided by the AAFS. However, the Section you are assigned to present before may coordinate this effort and have a computer available for your use at the meeting. Otherwise, it will be your responsibility to provide a laptop computer for your presentation. All inquiries should be addressed to your presenting section’s program chair.

PREPARING YOUR PRESENTATION:

- Microsoft PowerPoint® 2003 or later is highly recommended. Other versions of PowerPoint and programs may be difficult to support at the conference. If the current version of Microsoft products is used to create the presentation, save the file as a PowerPoint 2003 version. If using MS Word, do not save the document as a “.docx” file (extension). Save the file as a “.doc” file (extension).
- Dark background and light text provide acceptable contrast and display well in the darkened meeting room. Avoid distracting or otherwise hard to read color combinations such as red and blue, and yellow and green.
- Arial, Times New Roman or Helvetica are the recommended font styles. Avoid using fonts that project poorly. Unusual or custom fonts may not be available on the host computer.
- Use as large a font as possible and fill the screen. Anything less than 24 is too small. Suggested font sizes are Titles: 48-54, Main text titles: 32, Smallest text lines: 24.
- Keep your presentation simple. Do not crowd the frame. Limit the number of text lines per frame to a maximum of seven lines, with no more than 30 characters per line.
- Use simple graphs and illustrations with a minimum of captions. Avoid using thin lines, dots, dashes, or other specialty lines.
- Verify your computer resolution by going to your computer’s control panel, selecting “Display” then “Settings.” The recommended resolution is 1024 x 768.
- Avoid the use of commercial messages (e.g., logo), and video and audio clips unless requested previously in the abstract submission.
- Save your presentation on a CD-ROM or jump/flash drive. Always test your presentation on another computer to verify file compatibility, layout, and style.

IF YOU PLAN TO USE YOUR OWN COMPUTER WITH THE LCD PROJECTOR AT THE MEETING:

- Test your presentation with the LCD projection unit provided in the speaker ready room.
- You must report to your assigned room at least 30 minutes before the session is scheduled to begin (not your scheduled presentation time). Introduce yourself to the session moderators. Bring your presentation on a USB Drive or CD-ROM that is clearly labeled with your name. Please contact your presenting section’s Program Chair for these details.
- You will be given instructions on how and when to connect to the LCD projection unit.

FSF Needs Your Help With the 2012 $ilent Auction!

With your help, the Forensic Sciences Foundation (FSF) Annual Silent Auction can exceed expectations during the 2012 Annual Meeting in Atlanta, GA. Does your agency or department have “logo” gear such as hats, patches, pins, coffee mugs, T-shirts, denim shirts, polos, etc., that you would be willing to donate to the auction? Many of us are collectors of such items for display at work or at home.

Through extensive research, the FSF will obtain a number of fun items, but YOUR donation will make a huge difference. Please forward items to Kimberly Wrasse at the Academy office no later than December 31. You and your agency will be recognized for your donation. Auction items received after the deadline will be accepted for the following year. Thank you in advance.

Suggested Items . . .

- Patches
- Mugs
- Pins
- Caps
- Shirts
AAFS Guidelines for Poster Presentations

Each poster session presenter will be provided with a 4 ft. (height) x 8 ft. (width) poster board and an ample supply of push-pins. The board will be labeled with the presentation title and pre-assigned AAFS presentation number. Presenters are responsible for posting their material at least one hour prior to the opening of the session and removing the material before leaving the presentation area or within one-half hour after the session closes if still presenting. Volunteers will be available to assist the presenters. AAFS is not responsible for material posted early or left after the session is over. Materials left will be disposed of after presentation hours.

2012 AAFS POSTER PRESENTATION FORMAT ARE AS FOLLOWS:

- Presenting authors are asked to have their posters ready for display at 9:00 a.m. for attendee viewing.
- Presenting authors will be required to be present from 11:30 a.m. to 1:00 p.m. to answer questions.
- Posters should be removed no later than 1:15 p.m.
- AAFS or its representatives will verify poster presentations during the hours of 11:30 a.m. – 1:00 p.m. Authors who display a poster but do not present materials during required hours will not get credit for the poster presentations.
- Presenters should make arrangements with a co-author to cover lunch or breaks or presenting author should lunch or break before or after the 11:30 – 1:00 time period.
- Authors are also encouraged to bring reprints for distribution during the session and may wish to bring sign-up sheets for attendees who desire additional information.

CONTENT

The poster presentation should cover all key aspects of the work and contain the following items:

- Abstract
- Introduction
- Materials
- Methods
- Results
- Discussion
- Conclusions
- References

PRESENTATION FORMAT

- Extensive narratives are not necessary. Short, “bulleted” statements are preferred.
- Results presented in the form of figures, diagrams, graphs, etc., are preferred, but may be presented in clear, concise tabular format.
- Statistical data should be titled and summarized in a clear, concise format.
- Material should be displayed in a logical sequence from top left to bottom right. Number all poster panels or use arrows so that the sequence of presentation is clear.
- All type should be a minimum of 14 pt and readable from a distance of 3-4 feet. Use standard type styles (e.g., Arial, Helvetica, Times New Roman).
- All poster panels should be printed with a laser or other high quality printer.
- The display does not need to be “artsy,” but the overall effectiveness of a poster presentation can be enhanced by using techniques such as mounting poster panels on colored paper or crescent board. Colors may be used to highlight important points.

Want to Win a Complimentary Meeting Registration? Attend the AAFS Annual Business Meeting

The Annual Business Meeting of the Fellows and Members of AAFS will be held on Wednesday, February 22, at 4:15 p.m., at the Atlanta Marriott Marquis Hotel in Atlanta, GA. It is essential for all Fellows and Members to attend this very important meeting in order to reach a quorum for the voting process. Agenda items include the election of the 2012-13 Officers, recognition of all Members being promoted to Fellow status, and proposed amendments to the AAFS Bylaws. You will also be briefed on AAFS activities during the past year and plans for the future.

As an incentive to attend, all Fellows and Members present will automatically be entered in a drawing to receive a complimentary meeting registration to attend the 2013 AAFS Annual Meeting in Washington, DC.
AAFS Guidelines For Toxicology Poster Presentations

Each poster session presenter will be provided with a 4 ft. (height) x 8 ft. (width) poster board and an ample supply of push-pins. The board will be labeled with the presentation title and pre-assigned AAFS presentation number. Presenters are responsible for posting their material at least one hour prior to the opening of the session and removing the material before leaving the presentation area or within one-half hour after the session closes if still presenting. Volunteers will be available to assist the presenters. AAFS is not responsible for material posted early or left after the session is over. Materials left will be disposed of after presentation hours.

2012 AAFS POSTER PRESENTATION FORMAT ARE AS FOLLOWS:
- Presenting authors are asked to have their posters ready for display at 7:00 p.m. for attendee viewing.
- Presenting authors will be required to be present from 7:30 p.m. to 9:00 p.m. to answer questions.
- Posters should be removed no later than 9:15 p.m.
- AAFS or its representatives will verify poster presentations during the hours 7:30 p.m. to 9:00 p.m. Authors who display a poster but do not present materials during required hours will not get credit for the poster presentations.
- Presenters should make arrangements with a co-author to cover breaks or presenting author should take their break before or after the 7:30 - 9:00 time period.
- Authors are also encouraged to bring reprints for distribution during the session and may wish to bring sign-up sheets for attendees who desire additional information.

CONTENT
The poster presentation should cover all key aspects of the work and contain the following items:
- Abstract
- Introduction
- Materials
- Methods
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- Discussion
- Conclusions
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PRESENTATION FORMAT
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Do You Need to Share a Room in Atlanta, GA?
If you would like to have more spending money to take in some of the “must see” sights while in Atlanta during the AAFS Annual Scientific Meeting, then share a room! The AAFS office is maintaining a list of meeting attendees who would like to share a room with a colleague. For more information, please contact the AAFS office at (719) 636-1100.

Follow us on Facebook
www.facebook.com/AAFS.Forensic
1. **Registration Information**  
(Please print or type all information)

<table>
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<th>First/Given Name:</th>
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<td>Email __________</td>
<td>AAFS Member No.</td>
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<td>Spouse attending?</td>
<td>Yes</td>
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<td>Spouse Name:</td>
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<td>Would you like to receive pre-meeting mailings?</td>
<td>Yes</td>
</tr>
<tr>
<td>Vocational Status:</td>
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**American Academy of Forensic Sciences 64th Annual Scientific Meeting**  
February 20-25, 2012  
Atlanta, GA

**Pre-Registration**

- SIGNATURE ____________________________________________
- EXP. DATE _______
- CARD NO. ______________________________________________

3. **Registration Fees - Special Functions**

Registration form must be received by January 25, 2012, in order to attend Special Functions. There will be no on-site registration for the following Special Functions.

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<thead>
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<th>PRICE</th>
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<td>TU The Cleveland Cyanide Murder Case</td>
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<td>TH Tables Turned: An Unsuccessful Case</td>
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<td>$44</td>
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</tr>
</tbody>
</table>

**Luncheons**

- TH An Analysis of a Mine Incident | L-1 | $55 | $55 |

**Section Business Luncheons**

- W Digital & Multimedia Sciences Section Bus. Luncheon | L-3 | $55 | $55 |
| W General Section Business Luncheon | L-4 | $55 | $55 |
| W Jurisprudence Section Business Luncheon | L-5 | $55 | $55 |
| W Pathology/Biology Section Business Luncheon | L-6 | $55 | $55 |

**Special Sessions**

- TU Interdisciplinary Symposium | S-1 | $50 | $50 |
| TU Young Forensic Scientists Forum | S-2 | $100 | $100 |

**With Meeting Registration Only QTY. Total**

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<th>WORKSHOPS</th>
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<td>M Postmortem Monocular Indirect Ophthalmoscopy</td>
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<td>M Paper Fundamentals for Forensic Document Examiners</td>
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<td>$200</td>
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<td>M Practical Ethics in Forensic Science</td>
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<tr>
<td>M Using Pharmacokinetics to Analyze Forensic Toxicology</td>
<td>W-14</td>
<td>$100</td>
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<tr>
<td>TU Hell on Earth Just Another Day at Work</td>
<td>W-15</td>
<td>$100</td>
<td>$125</td>
</tr>
<tr>
<td>TU Applications of 2D and 3D Geometric Morphometrics</td>
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<td>$100</td>
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<td>TU Advances in Asphyxia by Strangulation for Pathologists</td>
<td>W-17</td>
<td>$100</td>
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<td>TU Deadly by Design: Forensic Toxicology</td>
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<td>TU The Anatomy of Error: Dissecting Adverse Events</td>
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<td>TU Flawed Forensics</td>
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<tr>
<td>TU Innovation in Forensic Image and Video Analysis</td>
<td>W-21</td>
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<td>$125</td>
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4. **Continuing Education**

CE registrants must pick up a CE Credit Request Form from the registration desk and return by the stated deadline.

- $50.00 Administrative Fee
- Accreditation Council for Continuing Medical Education (ACCME)
- Academy of General Dentistry (AGD)
- Dental Board of California (DBC)
- American Association of Clinical Chemistry (AACC)
- Continuing Legal Education

5. **Payment Processing**

- Check Enclosed
- American Express
- MasterCard/Visa/Discover

<table>
<thead>
<tr>
<th>CARD NO.</th>
<th>EXP. DATE</th>
<th>SIGNATURE</th>
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<tbody>
<tr>
<td></td>
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</table>

TOTAL AMOUNT DUE $___________  
(Totals from Nos. 2, 3, & 4)
BRING YOUR OWN SLIDES in PowerPoint (BYOS.ppt)
Wednesday Evening: 8:00 p.m. - 10:00 p.m.

In order to keep BYOS.ppt informal, fun, and informative for the large and diverse audience, here are a few things to keep in mind for the BYOS.ppt program at the 2012 AAFS Annual Scientific Meeting in Atlanta, Georgia:

- To present at BYOS.ppt, presentations must be in PowerPoint format. 35mm slides are not accepted.
- Proposals must be submitted on this form, accompanied by a “6-slides per page” printout of the presentation, and an electronic copy on CD or flash drive.
- BYOS is not intended as a forum to present scientific papers. It is designed as a means to present interesting information and/or unusual case(s) that may be educational and blended with humor.
- Speakers should plan on ten minutes in which to present their material.
- Material being presented in other parts of the AAFS scientific program will not be accepted at BYOS.ppt.
- Tables, charts, and graphs should be avoided - making every effort to use slides of scenes, bodily findings, and evidence.

This complete form, a “6-slides per page” printout, and the electronic presentation copy should be delivered to the on-site AAFS Staff Office on or before 4:00 p.m., Wednesday, February 22, 2012. Presentations will be selected and scheduled based on perceived interest to the audience and in the order in which the completed submissions are received. This form and required printout are needed to organize the BYOS.ppt program and to allow appropriate allocation of continuing education credit. A BYOS.ppt Program Form also will be placed in each registrant’s meeting packet.

BYOS PROGRAM FORM

Name (include academic degree/s) _______________________________________________________________________

Job title _____________________________________________________________________________________________

Place of employment _____________________________________________________________________________________

AAFS Section Affiliation (if none, write “none”) ________________________________________________________________

The presentation is being offered primarily to:
- Solicit input/advice on a challenging case
- Present interesting information or case(s) for educational purposes
- Entertainment

Presentation is:
- A single case
- A series of cases with a common topic
- Multiple cases with unrelated topics
- Other (please specify):

Briefly describe the material to be presented: _______________________________________________________________

What are the major points to be emphasized? ________________________________________________________________

How will the attendees benefit from this presentation? __________________________________________________________

Is there financial interest in the material being discussed?  No Yes (If yes, please describe)

How much presentation time is required? ________ minutes  How many PowerPoint slides will be shown? _______

Presenter’s local hotel _____________________________________ Room # _______ Phone # _____________________

The BYOS agenda, scheduled presentation times, and continuing education credit hours will be posted near the BYOS meeting room. If you have any questions, contact Sondra Doolittle at (719) 636-1100, or at the on-site AAFS Staff Office.

AAFS STAFF USE ONLY: Date Received: ____________________ Time: ____________________
VOLUNTEERS NEEDED FOR THE 2012 AAFS ANNUAL SCIENTIFIC MEETING

The 2012 AAFS Annual Scientific Meeting will take place February 20-25, in Atlanta, Georgia. We need volunteers to accomplish an array of administrative and gate-keeping tasks throughout the week of the meeting. Volunteers who are not members of the Academy may receive complimentary registration to attend all non-ticketed sessions of the meeting with a minimum of eight (8) hours of completed volunteer service at the meeting. This does not include sessions requiring pre-registration or fees other than the basic meeting registration fee. If you plan to attend any of the special sessions (e.g., workshops, breakfasts, luncheons, etc.), please contact the Volunteer Coordinator for the AAFS Registration Form. Please Note: Those individuals receiving complimentary registration will not be eligible for continuing education credit. Inactive members of the Academy are not eligible to receive complimentary registration.

Although AAFS members do not receive complimentary registration for volunteering, the Academy needs its members to volunteer. Your service to the Academy is instrumental in making the event a success. Persons accompanying registered attendees are also welcome to volunteer if they wish.

Below is a list of the various areas where we need volunteers and an information form. Credit card information is now required; however, your card will only be charged should you fail to fulfill your volunteer commitment and attend the meeting. *Volunteer applications must be received no later than December 1, and are accepted on a first-come, first-served basis. Incomplete forms are not accepted.*

<table>
<thead>
<tr>
<th>AAFS Office Assistant</th>
<th>Luncheons</th>
<th>Plenary Session</th>
<th>Registration Desk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfast Seminars</td>
<td>Special Sessions</td>
<td>AAFS Annual Business Meeting</td>
<td>Scientific Sessions</td>
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<tr>
<td>Workshops</td>
<td>Student Academy</td>
<td>Evening Sessions</td>
<td>Section Business Meetings</td>
</tr>
</tbody>
</table>

AAFS 64th Annual Scientific Meeting Volunteer Information Form*

Name: ___________________________________ Degree: __________Organization: _________________________

Mailing Address: ___________________________________________________________________________________________

City: _________________________________________________ State/Province: _____________________________

Zip/Postal Code: _______________ Country: _______________________ Home Phone: _________________________________

Fax: ___________________________ Work Phone: ___________________________ Cell Phone: _________________________

Email: _______________________________________________ AAFS Member? Yes [ ] No [ ] Member #: ________________

The best way to contact me during the meeting is: [ ] Phone [ ] Email [ ] Other: ____________________________

Ex. Date: ___________  MC [ ] Visa [ ] AE [ ]

Signature: _____________________________________________ Credit Card #: _____________________________

AAFS is authorized to charge up to the 2012 Non-Member registration rate for registration fees should I attend the meeting and not fulfill my volunteer work assignment(s).

I plan to arrive in Atlanta, GA, on ________________________________ and depart on ________________________________ (Date) (Date)

Please check all dates you are available to volunteer. Mark the time(s) of day you are available (am and/or pm) as well as the maximum number of days for which you are willing to volunteer. Please Note: We make every attempt to fulfill your requests; however, there is no guarantee your requests will match our needs.

Dates Available

<table>
<thead>
<tr>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Saturday, February 18</td>
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<tr>
<td>Sunday, February 19</td>
<td>am pm</td>
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<tr>
<td>Monday, February 20</td>
<td>am pm</td>
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<td>Tuesday, February 21</td>
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<td>Friday, February 24</td>
<td>am pm</td>
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<tr>
<td>Saturday, February 25</td>
<td>am pm</td>
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</tbody>
</table>

I prefer to work: [ ] Full Days [ ] Half Days Additional Comments/Needs:

Maximum number of days willing to work:

[ ] I am requesting "Complimentary" registration as a non-member with a minimum of eight (8) hours of volunteer service.

*Return completed form by December 1, to:

AAFS Volunteer Coordinator
410 North 21st Street
Colorado Springs, CO 80904
Fax: (719) 636-1993
massistant@aafs.org

*You must fill out the form completely. Incomplete forms are not accepted.*
The Leica FS M comparison macroscope offers straightforward manual control of the stages, comparison bridge, and illumination for flexibility and convenience. The system can be configured for dual viewing, and the comparison bridge provides split, full left, full right, and superimposed imaging. In less than one second, the user can continuously adjust the viewing field and imaging modes.

Illumination options include a fluorescence tube mounted on articulated arms or gooseneck supports for easy, precise positioning, and LED spot and ring lights for long-life, cool, near-daylight illumination. For over 100 years, leading forensic investigators have relied on the unparalleled accuracy, optical excellence, and continuous innovation of Leica Microsystems.

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Living up to Life
Recapping the AAFS 2011 International Educational Outreach Program - Portugal

All of the participants of the AAFS 2011 International Educational Outreach Program (IEOP) have expressed their thanks to AAFS President Douglas Ubelaker and our Portuguese host, Duarte Vieira. The program began with AAFS presentations at the International Association of Forensic Sciences 2011 Congress on Madeira Island. The scientific minds representing the AAFS at the special session “Global Research: The Forensic Science Edge” were Douglas Lucas (Criminalistics), Barry Fisher (Criminalistics), Ronald Singer (Criminalistics), Eric Baccio (Pathology/Biology), Peter Striupaitis (Criminalistics), Adam Freeman (Odontology), Thomas David (Odontology), Robert Barsley (Odontology), and Victor Weedn (Pathology/Biology).

Upon conclusion of the IAFS Congress, travelers made their way to the mainland to officially begin the IEOP. Accompanying President Ubelaker and traveling with the IEOP were Peter Ausili (Criminalistics), Robert Barsley, Roy Crawford (Engineering), Thomas David, Penny Englert (General), Rod Englert (General), Marcella Fierro (Pathology/Biology), Adam Freeman, Susan Johns (Criminalistics), James Lewis (Odontology), Holland Maness (Odontology), Thomas Noguchi (Pathology/Biology), Agnieszka Rogalska (Pathology/Biology), Kristi Shea, Peter Striupaitis, and Victor Weedn. A special thanks to these hearty travelers and their guests for participating in the IEOP.

On the mainland of Portugal, our first stop was Lisbon. Here, the group enjoyed a city tour that included a visit to the S. Jorge Castle, the Belem Tower, and the S. Jerome Monastery. The following day, we visited Sintra and where the group met with representatives from the Scientific Police Laboratory and the Portuguese National Institute of Legal Medicine. While there, we couldn’t resist taking a stroll through the streets of the village and tasting the local sweets. We marveled at the architecture of medieval villages, castles, monasteries, and monuments.

Upon arrival at the University of Coimbra, referred to as Acadia dos estudantes (The city of the students), we were serenaded by the incoming first-year students who were undergoing a bit of hazing. After surviving their first year, students are awarded a special uniform. The uniform has a black cape and could be described as Harry Potterish. The uniforms are worn on special university days, during ceremonies, or just because. A tour of the university included a visit to the baroque Joaquina Library (Biblioteca Joaquina). This masterpiece of gilt woodwork houses volumes pre-dating the 18th century and today continues to serve the students and faculty. We were received by the President of the Portuguese National Institute of Legal Medicine and had the opportunity to meet with colleagues representing pathology, anthropology, genetics, toxicology, and clinical forensics.

The last leg of the journey brought the group to Porto, known for its famous port wine cellars. The group enjoyed a day-long Douro River cruise. With the Atlantic Ocean behind us, we were treated to a scenic cruise through the Douro Valley. Rambling vineyards and farms called quintas cling to the steep
sides of the Douro River Valley. The Douro is noted for its deep locks, all around 30 metres deep. As we were going up river, we entered an empty lock, and gently rose to the higher level as it filled. Quite a thrill for us all and especially the engineer in the group. Later that evening, after returning to Porto, the group had a tour and final farewell dinner at a local winery.

As I say a very fond farewell to Portugal, I am already looking forward to the next International Outreach Program with President-Elect Robert Barsley and a visit to Turkey as the 2012 destination in conjunction with the 22nd International Academy of Legal Medicine (IALM) Conference. The program is in the early planning stages, but it is anticipated the IEO will precede the IALM Conference beginning June 27 and conclude in Istanbul with attendance at the IALM conference July 5-8.

Three Ways to “Go Green” With AAFS

Looking for ways to save the earth’s resources? Then become part of the Academy’s “Go Green” Campaign.

In an effort to be responsible stewards of the earth and of the Academy’s resources, the “Go Green” options below are available to all who have a PeopleWeb account set up with the Academy. Depending on your access level (e.g., member, author, applicant, non-member, etc.), the options available to you will display on the screen. Each option is independent of the other and can easily be changed by returning to the PeopleWeb account and deselecting the item.

Please be aware that by selecting any of the checkboxes on the Go Green Tab, you are “opting out” of receiving the paper version of the checked item. For each option selected, an email will be sent to the email address on record once the item becomes available for viewing on the Academy’s website.

There are three ways for Members to opt out of receiving the paper versions of your AAFS: 1) Dues Notice; 2) Academy News newsletter; and 3) Advance Program.

Log on to your AAFS PeopleWeb account, click on the “Go Green” tab and select the item that you wish to view in an electronic format.
In recent years, assessment has become a major part of the academic landscape and is a critical aspect of both regional and program specific accreditation. FEPAC requires accredited programs to have a Planning and Evaluation program that will monitor the ability of the program to fulfill its mission, goals, and objectives. The evaluation process can help the program find weaknesses prompting changes to all areas of the academic program including admissions, curriculum, faculty, and resource allocation and, as a consequence, allow the program to best plan for the future. The Planning and Evaluation process must be a multi-faceted program that includes all the program’s relevant constituencies such as students, graduates, and employers.

Several FEPAC accredited programs have chosen to use the Forensic Science Assessment Test (FSAT) as a component of their Planning and Evaluation program. Most programs give the FSAT to students in their last semester of academic study as a way of assessing their knowledge in a broad range of forensic science disciplines. The FSAT is administered by the American Board of Criminalistics (ABC) and was created by forensic science practitioners and educators from the ABC, ASCLD, COFSE (Council of Forensic Science Educators), and FEPAC.

Since the FSAT is designed to be an evaluative tool and to help improve forensic science academic programs, programs should only interpret results from cohorts of students over several years. It is difficult to make sense of the results from any standardized examination in a snapshot of one sitting. Programs must allow for the possibility of an atypical performance in any one year. In addition, the effect of faculty or curricular changes can only be determined by student performance over several years.

Results on the FSAT can be used to help evaluate several aspects of the academic program. For instance, since the test is designed to be comprehensive, results may reveal “holes” in the curriculum. In addition, since student learning should ideally be correlated with GPA, a good test of a program’s ability to properly evaluate student academic performance may be to determine whether a correlation exists between individual student scores on the examination and GPA. Furthermore, programs who have students who perform badly in comparison with students from the same program and who also have a low GPA may prompt these programs to review its admission criteria.

The FSAT was not designed to be a sporting event between academic programs. There is no threshold score for pass or failure. It does not mean that those programs that do not perform as well as others are substandard or that those who perform better are superior. Comparative overall performance may show differences because of program focus or simply the number of students from each school taking the examination. Programs with few students taking the examination may perform comparatively well one year and comparatively bad the next year, since mean results can easily be skewed by the performance of one or two students. In addition, results on the examination tell nothing about student achievement in areas such as research and internships. Comparative analysis between students can only be meaningful if the students are from the same program where all other variables (such as faculty and curriculum) between students are equal.

FEPAC notes: Information about the FSAT can be found on the ABC website (http://criminalistics/com).

Lawrence Quarino, PhD
FEPAC Chair

The Use of the Forensic Science Assessment Test (FSAT) as a Tool in the Assessment of Forensic Science Academic Programs
Each year the Forensic Sciences Foundation (FSF) awards monies in the form of grants to members of the forensic science communities for research conducted throughout the year. The FSF has awarded the 2011-12 FSF Acorn and Lucas Grants as well as co-awarded the FSF/NIJ Forensic Science Student Research Grant, which is awarded to students in the field of forensic sciences.

The Forensic Sciences Foundation is pleased to announce the recipients of the research awards for this year. Congratulations!

**The FSF Acorn Grant recipient is:**
Julie M. Fleischman, MS - $500 for Radiographic Positive Identification Using Midline Sternotomy Wires: A Validation Study

**The FSF Lucas Grant recipients are:**
Sulekha Coticone, PhD - $700 for Rapid Detection of Trace Evidence Containing Drugs by Portable Analytical Technologies

D.C. Martin, MA - $2,750 for The Effect of Concrete Burial on the Rate and Pattern of Decomposition of Soft and Hard Tissues

Jennifer J. Prutsman-Pfeiffer, PhD & Lori E. Baker, PhD - $2,500 for Geographic Patterning of Biogeochemical Signatures in Bone: A Comparative Study of Foreign-Born Deceased Border Crossers and U.S. Born Individuals

John J. Schultz, PhD - $1,050 for Detecting Submerged Remains: Controlled Research Using Side-Scan Sonar to Detect Proxy Cadavers

*Also awarded $500 for the Dick Hopkins/NecroSearch International Award for the same research.*

Ruth Waddell Smith, PhD - $2,500 for Statistical Evaluation of MDMA Impurity Profiles for Source Determination

**The FSF/NIJ Forensic Science Student Research Grant recipients are:**
Amanda R. Buszek, BS - $7,000 for Sex Determination Assay for Degraded or Low Quality DNA

Kayla N. Ellefsen, BSc - $6,750 for Detection of Beta-Keto Amphetamines in Biological Samples

Ashleigh M. Faris, BS - $7,000 for Species Composition of the Maggot Mass

Bailey K. Glasscock - $6,990 for Methods to Separate Semen from Superabsorbent Polymers (SAPs) for Forensic Analysis

Manal R. Khalil, BS - $6,940 for The Degree of Similarity Between Accidental Patterns on Shoeprints Associated with Wearers that Participate in Shared and Independent Activities

Karen M. Leong, BS - $3,190 for The Influence of Collection Volume on Postmortem Methamphetamine Concentrations

Karlie M. McManaman, BA - $6,975 for Comparison of Procedures for MDMA Impurity Profiling Using Gas Chromatography – Mass Spectrometry (GC-MS)


Suzanne E. Towner, BS - $5,786 for The Association and Discrimination of Gasoline and Lighter Fluid Using Multivariate Statistical Procedures in Spite of Evaporation, Thermal Degradation, and Matrix Interferences from Surface-Treated Wood
The Forensic Sciences Foundation, Inc., gratefully acknowledges the generous contributions made to the Foundation and its Endowment Fund. Please accept our apologies if your name has been inadvertently omitted and contact the AAFS office as soon as possible with the correction. This listing reflects contributions received from 07/01/11 through 10/01/11.

The Fund’s balance through 10/01/11 was $635,841.17. Additionally, the FSF Endowment Fund has provided $159,859.00 in awards and grants since its inception in 1990.

FSF Endowment Fund Contributors

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Ronald Singer, MS

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Academy News

FSF “I Gave An Hour” Contributors

Former FSF Trustee Gil Brogdon came up with a great idea for Academy members with advanced degrees. The idea was for everyone to consider contributing to the FSF the equivalent of one hour of their annual salary or the equivalent of the fee charged for one hour of consultation. The forensic sciences have been good to all of us. If you make a lot, consider contributing a lot! For salaried persons, one hour represents about 1/2000th of annual income. For those who receive consulting fees, please consider contributing an amount consistent with one hour (or more) of what you charge for consultation. The fund’s balance through 10/01/11 was $39,022.82. For those of you who would like to contribute, please complete the IGAH form and return to the AAFS office.

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Douglas Arendt, DDS
Joseph Bono, MA
Charles Foy, DDS
Simson Garfinkel, PhD
Zeno Geradts, PhD
Susan Howe, DVM, PhD
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James McGivney, DDS
Duane Spencer, DDS
Anthony Sur, DDS
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Michael Warren, PhD

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Duane Spencer, DDS
Anthony Sur, DDS
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Robert Lawrence, MD
Valter Stemberga, MD, PhD

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Denise To, PhD
Michael Warren, PhD

$51-$100 - “Trustee”
Shuala Drawdy, MA

Up to $50 - “Board Member”
Angel DesMarais, MS
Karen Burns, PhD

In Memoriam

Arthur Blesinski, BA Retired Member of the Questioned Documents Section, July 2011
John Coe, MD Retired Fellow of the Pathology/Biology Section, March 2011
Charlie Cresaria, BS Associate Member of the Toxicology Section, June 2011
Ferrin B. Moreland, PhD Retired Fellow of the Toxicology Section, May 2011
Araceli Ortiz, DMD Fellow of the Odontology Section, March 2011

Academy News
Forensic Sciences Foundation

Name ____________________________________________________________
Address _____________________________________________________________________________
City ___________________________________ State __ Zip __

Forensic Sciences Foundation Contribution

80% Restricted Endowment, 20% General: $ __________
Forensic Sciences Foundation Restricted Endowment Contribution: $ __________
Forensic Sciences Foundation General Contribution: $ __________

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AN HOUR OF MY TIME IS WORTH $________
Numbers are extremely important in the forensic science community. In the laboratory setting, numbers come into play as they relate to productivity, workload, and the always talked about turn-around-time. Numbers take on a different meaning in the academic setting. Educators have to deal with enrollment, graduation rates, and, for a few, job placement statistics. The Criminalistics Section also gives a bit of consideration to numbers. The numbers 6, 5, 119, 82, and 1 as a group may seem like a really large and slightly skewed curve for an extremely large college class, but these numbers are the making of what is certain to be a great scientific meeting.

This year’s meeting is scheduled for February 20–25, 2012, in Atlanta, Georgia. Each of the 6 days of the meeting has active involvement and/or participation from various members of the Criminalistics Section. There are a combined total of 5 workshops chaired or co-chaired by members of the section on both Monday and Tuesday. The number includes three 2-day workshops, one full-day workshop, and one half-day workshop. Among those workshops scheduled is the 2-day Advanced DNA Mixture Workshop, which comes as a direct result of the indicated need in the Annual Meeting surveys. Also scheduled are a full-day workshop on error and a half-day workshop on the uncertainty of weights, two hot topics with accreditation.

The workshops offered at the Annual Meeting provide nice opportunities to interact with peers, while promoting continuing education in a limited setting. However, both time and financial constraints often limit one’s ability to take full advantage of all the Annual Meeting has to offer throughout the entire week. A later arrival in Atlanta provides ample opportunities for sharing and learning in a larger setting. Section Program Chair Jennifer Mihalovich and Co-Chair Larry Quarino have scheduled a total of 119 oral submissions for presentation on Thursday, Friday, and Saturday and 82 poster submissions for posting on Wednesday, Thursday, and Friday of the meeting. Even if faced with the constraints mentioned above, the start of the poster session on Wednesday should have enough to satisfy all members of the section.

The start of the Scientific Session also signals the start of the Criminalistics Section’s 1 Business Meeting for the year. Your attendance and participation is always greatly appreciated. This is the time for your voice to be heard as old business is wrapped up and new business is introduced. The Wednesday business meeting will also give the section an opportunity to recognize the winner of the Jan S. Bashinski Criminalistics Graduate Thesis Assistance Grant, Helena G. Wong, for her winning submission titled “The Automation of the Differential Digestion Process of Sexual Assault Evidence in a High Efficiency Format.” As a thank you for your attendance (and for paying your annual membership dues), lunch will be provided. The Criminalistics Section’s 1 Reception (there’s that “1” again) is also scheduled for Wednesday evening. The reception is the best time to reconnect with colleagues that you have not seen since the previous meeting while enjoying a cocktail and the nice spread selected by Section Chair Barbara Llewellyn.

February 2012 is just around the corner. Now is the time to make your hotel and travel arrangements in order to take full advantage of the hard work that has gone into planning the 64th Annual Scientific Meeting in Atlanta. Please be sure to keep in mind as you make your arrangements that the Scientific Sessions for the section end on Saturday. Your section officers hope to see you there.

I’m pleased to announce an excellent schedule of Engineering Sciences papers for the February meeting. Sessions include Engineering Experts and Litigation, Math and Stats in Engineering Science, Vehicle Technology, Failure Analysis, Environmental Engineering, and a special session, Revisiting the World Trade Center Disaster of 9/11/2001, which will present current understanding of the nature of WTC dust particulates and related issues. Peter Alexander, Past Section Chair, has arranged a joint session with our colleagues in the Jurisprudence Section, Forensic Science and the NAS Report. This special joint session will take place all day Thursday. If you can, arrive in Atlanta a day early continued on page 32
to join the section for an off-site luncheon on Wednesday, which will be followed by the section business meeting.

This summer, Helmut Brosz, immediate past chair of ESS, hosted the first Engineering Sciences Mid-Year Meeting, in Toronto. The meeting, August 5-6, coincided with the American Bar Association’s Annual Meeting which was also held in Toronto. Attendees toured the Centre of Forensic Sciences in Toronto, under the guidance of Ron Van Wieringen, Assistant Section Head of the Electronics Section, following a greeting by Toni Tessarollo, the Centre Director. The facility conducts scientific investigations for law enforcement officers, coroners, pathologists, and other official investigative agencies. Information on the Centre may be found at www.csfsc.ca.

A tour of the Ontario Science Centre was also arranged. The OSC is an interactive museum of science. A special exhibition on forensics coincided with the meeting. A welcoming reception was hosted by Helmut at his residence, followed by a working dinner. A paper was presented by Harold Franck (past ESS chair) on the subject “Mathematical Calculations of Current Distribution in a Rectangular Bus Bar.” Helmut Brosz presented a paper “Failures, Current Distributions and Thermal Expressions in Arc Furnace and Rectifier Transformer Windings and High Current Connections.” Artifacts from his collection at the Institute of Forensic Electro-Pathology were displayed to support the presentation. Laura Liptai (AABS/ESS board member) communicated recent Board proceedings to the group during the working lunch on Saturday.

Thanks to James Millette and Helmut Brosz for contributing to this article.

GENERAL

Source: Alan F. Boehm, MFS, Section Secretary

Thanks for all who took the time to submit their abstracts and to help make our Scientific Program a success. Program Chairs William Andrews and Amy Carney reviewed them all and developed what should be an interesting program. They accepted 31 posters and 49 presentations. We are looking forward to seeing them in Atlanta. Both presentations and posters will run through Friday afternoon, so plan your flights accordingly. We hope you can stay for the entire General Section Scientific Session and support your colleagues. Special thanks to Amy and Bill for their hard work to ensure that we have an outstanding program.

General Section Chair Julie Howe and I will be starting the process of reviewing applications for membership, as well as for promotion within the General Section. Please remember, if you are eligible to promote your membership status next year, attendance at the General Section Business Meeting and volunteering as a committee member or moderator are means for advancement.

Awards Committee Chair Mike Bosse is pleased to announce that Robert Gaffney was selected for the Paul W. Kehres Meritorious Service Award. Thanks to the committee for all of its hard work. Congratulations to Bob!

A special thanks to all of our international members who provided input for the Global Research: The Forensic Science Edge article. Look for it in this issue of the Academy News.

A friendly reminder from us to make your hotel reservations for Atlanta early so you are not disappointed. Rooms fill up fast so don’t wait.

Finally, share your accomplishments in the next newsletter. Send the information to me at aboehm@cox.net

ODONTOLOGY

Source: Paula C. Brumit, DDS, Section Secretary

Fall is in full swing and the AAFS Annual Meeting in Atlanta is drawing near. Section Program Chair Iain Pretty has been busy evaluating and selecting abstracts submitted for the Scientific Sessions. Based on the number and quality of submissions, we can look forward to an informative meeting with interesting presentations in the Odontology Section.

The Odontology Section is also delighted to announce the Thomas Krauss Memorial Bitemark Breakfast speaker for this year is Jose Baez (Jurisprudence). Mr. Baez joins a long list of eminent speakers that have included Jan “Dr. G” Garavaglia, Dayle Hinman, Steven Symes, and Ann Rule, to name a few. Mr. Baez defended Casey Anthony in her recent court case. Join us for what promises to be fascinating insight into the use and abuse of forensic science within this high profile case.

The American Board of Forensic Odontology will present the ABFO Dental Identification Workshop during the AAFS Annual Meeting (date, time, and location to be announced). For more information, please contact Peter Loomis (peterlks@msn.com; 505-21-2381). “The Art & Science of Expert Witness Testimony” ABFO Workshop will be held on February 24-25, 2012. The workshop will include presentations by experienced expert witnesses covering pertinent topics such as guidelines for expert witnesses and relevant standards of care in dentistry. The Saturday session will feature testimony by the expert witness candidates in a mock trial format that includes judge, jury, and experienced civil litigation trial lawyers. The mock trial will be held at the Georgia State University Law School court room. For more information, please contact Paula Brumit (lovtx@aol.com; 214-244-7008).

The ASFO 42nd Annual Scientific Session will be held on Tuesday, February 21, from 7:30 a.m. - 5:30 p.m. This all-day course will cover “Bitemark Case Management: An Introspective Review.” For more information, go to www.asfo.org.

Finally, be sure to join us at the Odontology Section business meeting for presentation of the Reidar Sognnaes Award to David Sweet, and the Lester Luntz Award to Lowell Levine. Congratulations to both of these award recipients who have made
major contributions to forensic science. See you in Atlanta!

PATHOLOGY/BIOLOGY

Source: J. Keith Pinckard, MD, PhD, Section Secretary

The preliminary scientific program for the upcoming Annual Scientific Meeting in Atlanta has been set. Program Chair Jason Byrd has scheduled 84 platform presentations and 50 poster presentations. There is also a joint session between Pathology/Biology and Toxicology Sections. The National Association of Medical Examiners (NAME) will be offering Self Assessment Module (SAM) credits for a portion of the Pathology/Biology program. Look for details about the offerings, pricing structure, and instructions in the Advance Program available in November.

The deadline for the submission of Research Grant proposals is December 1. Two grant awards of up to $3,000 each are available. Grant applications will be reviewed and winners announced at the Annual Meeting in Atlanta in February. Instructions for the short proposal can be obtained from the Chair of the Research Committee, Keith Pinckard (kpinckard@dallascounty.org).

As a reminder to all members of the Pathology/Biology Section, PhD students can be members in our section. Please encourage individuals that meet the criteria of the AAFS and our section to apply for membership as it is essential that we continue to grow and represent the various disciplines that fall under the section’s umbrella. Please contact Jeff Tomberlin (jktomberlin@tamu.edu) or Keith Pinckard (kpinckard@dallascounty.org) if you would like to get involved with recruitment or have any questions.

Finally, for those interested, the Annual North American Forensic Entomology Association Conference will be held in Las Vegas from July 17-19, 2012, at the newly renovated Flamingo Hotel, Casino & Conference Center! There are some fantastic room rates ($99.00 per night, double occupancy), some great door prizes, and a beautiful setting for family and friends to enjoy numerous attractions in addition to the meeting. There will be excellent meeting facilities and both national and international students, faculty, and others interested in forensic entomology. All are encouraged to attend. More information and registration information will be available in early winter. Make your plans now and reserve these dates! If you have any questions regarding the conference, please contact the local arrangements committee, Rich Merritt (merrittt@msu.edu), Ryan Kimbirauskas (kimbira1@msu.edu), or Mollie McIntosh (m McIntosh2@xavier.edu).

PHYSICAL ANTHROPOLOGY

Source: William R. Belcher, PhD, Section Secretary

Ann Ross (Section Program Chair) and Elias Kontanis (Section Program Co-Chair) submit the following: A record number of abstracts were submitted. There were a total of 168 abstracts submitted for review. Out of these, 50 abstracts for oral presentations and 60 for poster presentations, one workshop proposal, and one evening session will be hosted by the Physical Anthropology Section. During the selection process, the committee tried to be equitable in not giving any one individual or organization too much of a presence or voice. An unfortunate consequence of the high number of abstract submissions is a higher number of abstract rejections (54) than usual. Rejections were based on the following: the abstract did not follow the AAFS format; did not include clear data or results; poorly written; and if any one individual requested several abstracts as presenting author. For non-English speakers we edited the abstracts. However, if English was the first language the committee did not edit poorly written abstracts. Overall, an impressive array of topics will be presented during the 2012 Physical Anthropology Scientific Sessions particularly following this year’s theme concerning the role of anthropology in an international/global setting. The Program Chairs would like to thank the Abstract Review Committee for its dedication: Midori Albert, Gregory Berg, Ann Bunch, Franklin Damann, Eric Emery, and Shanna Williams.

If you have any Academy News items, please email Bill Belcher (wbelcher@msn.com). The next deadline is December 1. We particularly welcome contributions related to international projects and conferences.

PSYCHIATRY & BEHAVIORAL SCIENCE

Source: Manuel Lopez-Leon, MD, Section Secretary

The AAPL 42nd Annual Meeting was held in Boston, MA, on October 27-30, at The Boston Park Plaza Hotel & Towers. As usual, there was active participation of several AAFS section members.

There is still time to plan to attend the 36th Annual Conference of the American Academy of Psychiatry and the Law (AAPL) Tristate Chapter in New York City. Details will be announced soon but in the mean time additional information can be obtained by contacting Tara Straka, MD at (646) 672-5922 or by email at tara.straka@nymc.org.

For our members interested in adolescent addictions, a population prone to having forensic issues, mark your calendars for the Annual Meeting of the American Society for Adolescent Psychiatry which will be held in New York City. The meeting is scheduled on March 31-April 1, 2012. Please watch this column for further details in the next newsletter.

As a reminder, it’s not too early to start planning on attending the AAFS 64th Annual Scientific Meeting scheduled for February 20-25, 2012, at the Atlanta Marriott Marquis. Our Program Chair has been hard at work putting together a very interesting program. We hope to see you all in Atlanta!

We would like all members of the section to take a moment to review their membership status and inquire, through the AAFS office, about their eligibility for promotion to the next membership category for the 2012-13 cycle. If you need help in understanding the requirements, please feel free to email Cheryl Hunter, Membership Coordinator, at continued on page 34
Section News cont.

chunter@aafs.org for clarification and assistance. Please remember that to be a voting member at our Annual Business Meeting you must have a Member or Fellow status.

News for this column is always welcome at dlopezleon@mac.com.

QUESTIONED DOCUMENTS

Source: Carl R. McClary, BA, Section Chair

Your section officers are gearing up for next year’s meeting and have consulted with the program chairs on the submission of presentations and workshops as well as making other preparations for February. Next year’s program promises to provide another selection of valuable material, and I am hoping that you will travel to Atlanta to be with us as we host this year’s meeting. I will also be assisting with the Student Academy, and I’m looking forward to providing insight into our discipline to our future members.

Be reminded that registration for QD sponsored workshops is restricted to AAFS members before January 15, 2012, so please register for the meeting early to ensure your place! As always, the ASTM meetings will be taking place the weekend before our meeting. You may go to www.astm.org for a meeting schedule due out in the next few months. For any questions regarding the program for next year, please contact Joe Parker (qdparker@peoplepc.com; 770-631-1789) or Ted (703-632-7313; ted.burkes@ic.fbi.gov). Also, be sure to read the QD article on page 9 of this newsletter and thanks to all those who contributed to its content.

TOXICOLOGY

Source: Philip M. Kemp, PhD, Section Chair

Fall is upon us in the USA and it is time to make your plans to attend the AAFS meeting in Atlanta, Georgia (February 20-25, 2012). This year’s theme, Global Research: The Forensic Science Edge, has generated a great deal of interest and warrants your participation in the Toxicology Section program. Atlanta is a great city with superb dining and entertainment offerings to compliment the informative scientific program our hosts are putting together. The recent combined meeting of the Society of Forensic Toxicologists (SOF) and The International Association of Toxicologists (TIAFT) was very successful in bringing together forensic scientists from all over the globe. The 2012 AAFS Annual Meeting will keep that international momentum going into the new year.

In other section news, the Scientific Working Group in Toxicology (SWGTOX) recently met in Baltimore to continue its work in support of the forensic toxicology field as a whole. Not only is this group working to establish standards for the practice of forensic toxicology, it is also promoting public awareness of the field. It is exploring ways to ensure that our field maintains the highest quality in areas such as ethics, accreditation/certification, research, quality management/control, method validation, and education. Toxicology Section members can learn more about the efforts of SWGTOX on its website (www.swgtox.org). This website contains the mission of the working group and documents describing the progress of its work.

The Society of Forensic Toxicologists and The International Association of Toxicologists combined their annual meetings this year in San Francisco, CA this past September. Attendees benefitted from this international meeting that provided both educational workshops and interesting scientific sessions. Multiple AAFS Toxicology Section members contributed their time and expertise to the success of these sessions as well as the success of the meeting as a whole. A variety of poster and oral presentations on new methods and interesting case findings showed once again that forensic toxicology is alive and well and section members around the globe are contributing high quality work to the profession.

See you in Atlanta!

International Affairs - Asia cont.

I would like to acknowledge the contributions by the following colleagues: Prof. Yasuhiro Aoki for Japan, Dr. Paul Chui of Singapore for overviews on death investigation of South Asian countries, and Dr. Zhongxue Hua for updates on current systems in Mainland China and Taiwan. The AAFS International Affairs Committee is interested in establishing a complete database on all available International Forensic organizations, their histories, and current status of forensic medicine and sciences. I ask the international members of the AAFS to keep in touch and help us update our information periodically.
the United States has no federal system to handle such events. State systems are responsible for events that occur in their geographic area and statutes vary as to budgeting for autopsies, who has responsibility for notifying next of kin, etc. Such systems create problems for foreign nationals and often delay issuance of death certificates. These concerns occur during day-to-day medicolegal death investigations as well.

The NAS Report addresses the need for further research in forensic science. This research should include global perspectives to create a uniform forensic practice so that countries are able to share information and work collectively. As recent events have shown, tragedy does not affect one country at a time and there is a need to communicate with multiple nationalities.

The forensic sciences have been called on to provide amazing work within our military operations in Iraq and Afghanistan, as well as in the contest with Al Qaeda and its affiliates worldwide. Therefore, we thought it most appropriate to include a section about the battle space since it speaks volumes to the current global impact of forensic use.

Military Operations
The use of forensic sciences within the Department of Defense (DoD) has evolved significantly over the past few years. Historically, forensic science disciplines such as latent prints were most commonly used to support identifications for court proceedings and the identification of human remains. The U.S. Marines recognized the potential for using forensics and biometrics in the identification of insurgents during the insurgency in Iraq. Subsequently, DoD recognized these functions in the *Department of Defense Capstone Concept of Operations for DoD Forensics*, 18 July 2008, writing, “Forensics has an integral role in intelligence functions, operational activities, force protection, host nation legal support, personnel recovery, and identity superiority functions.”

Today, forensic science analyses for the DoD extends from Continental United States (CONUS) at the U.S. Army Criminal Investigation Laboratory (USACIL) to the battlefields in Iraq and Afghanistan. Expeditionary laboratory operations in those countries include the forensic analyses of latent fingerprints, deoxyribonucleic acid (DNA), firearms and tool marks, and forensic chemistry. The laboratories also provide training to local national forensic experts and others in the recovery of forensic materials. The use of forensic science in “theater” includes legal proceedings, intelligence operations, and identity management.

The USACIL, Expeditionary Forensics Division (EFD) manages the Expeditionary Forensic Laboratory (EFL) program specifically for global military operations. USACIL is the only full-service forensic laboratory in the Department of Defense, and offers state-of-the-art training, analyses, and operational support. The EFL deploys in support of global contingency operations to assist the war-fighter in combating terrorism, building host nation capability, or any other applications of forensic science that supports Department of Defense missions and objectives. The current overseas worksites are mobile laboratories so they can be moved to where they are needed.

DNA, firearms and tool marks, and fingerprint analyses within the EFL have been successfully used to link insurgents to improvised explosive devices (IEDs), and tool marks have been used to associate IEDs with each other. For example, in 2009, the fingerprints of an insurgent were matched to two separate IED devices discovered by the Afghan Border Patrol. The insurgent was subsequently convicted of the possession of IED destructive devices and sentenced to prison.

The application of forensic disciplines has also generated research projects regarding forensic evidence found in theater operations. One research project addressed the background contribution of nitrates in soils compared to the quantities of nitrate found in IEDs. Another project focused on the resolution and intelligence use of mixed DNA profiles found on IEDs. There is an ongoing project in accelerating DNA results for military operations, which will benefit all labs dealing with a backlog in DNA cases. There are also projects in latent print development and firearms analysis to improve methodologies and aid the examiner in analysis. This research will have an impact on forensics in the U.S. as the focus is on smaller and faster analysis without compromising the evidentiary value of the forensic material. These projects represent the need for continued forensic research and the development of useful databases for intelligence reporting purposes.

The DoD has proven that expeditionary forensics collection and analysis can be performed to meet mission and legal requirements. Significant organizational consolidation is underway to streamline DoD forensic capabilities to react faster to operational needs. Expeditionary forensic laboratories will continue to grow and better support battlefield operations, while serving military and civilian justice.

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samples that displayed the features of writing style(s) particular to each country. Called the International Handwriting Information System, IHIS, the system now boasts collections from the German Bundeskriminalamt (BKA) and from the U.K.

On the research front, in 2004, the Netherlands Forensic Institute was involved in developing competition among researchers and developers to provide an automatic signature verification system. The competition ultimately facilitated comparison of the different signature verification algorithms, and the selection of the best to establish an optimum performance benchmark for this technology. The competition allowed the participants to choose online data systems utilizing digitized tablets, offline systems utilizing writing on paper, or a combination of both. The successful competition was followed by a new one in 2011 involving the addition of Chinese signatures. The document examiners and interns at the Institute have also been studying the relationship between signature complexity and ease of simulation. The research is attempting to develop an equation by which FDEs can calculate the complexity of a signature. The results have been presented in peer reviewed studies at the International Graphonomics Society in 2009 and 2011. Successful development of such an equation will aid FDEs in increasing the objectivity of signature examinations.

Other projects include work on paper structure comparison through the processing of transmitted light images, evidence from features in ink jet printed text documents, ball-point ink discrimination using Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS), and continued improvements to the Institute’s anonymous letter database.

Great Britain

The United Kingdom is held in great esteem, both for the fact that it is home to Foster and Freeman, LTD, the maker of many of the instruments used by Forensic Document Examiners, and the fact that a great number of esteemed examiners hail from the U.K. Of note is ongoing sharing of information on research in the area of determining sequence of writing impressions and ink strokes utilizing the Electrostatic Detection Apparatus (ESDA) technique. Forensic Document Examiner Robert Radley has published on this technique, to include one project that incorporates research on the process with fiber tipped and roller ball pens. AAFS Member Brian Lindblom has given workshops on the technique (AAFS Chicago 2011), which can be invaluable in dating documents and determining writing sequences.

For some time, the Forensic Science Society in the United Kingdom has provided professional diplomas in various specialist areas, such as scene examination and firearms examination. These diplomas take the form of full postgraduate diplomas awarded by the University of Strathclyde, which acts as the validating university for the Forensic Science Society. A new diploma for the forensic examination of identity documents now exists. The diploma focuses in particular on the knowledge of passports and enables experienced practitioners to gain rightful recognition of their skills. This new diploma supports judicial recognition of the forensic examinations of identity documents for any hearings involving claims and counterclaims, thereby helping to ensure the quality of the evidence for the purposes of a just system.

The Australians

Given the constant focus on the reliability and validity of all forensic disciplines, the questioned document discipline has certainly not been immune— or complacent. In prelude to addressing the Australian studies, related studies include those by Dr. Moshe Kam of Drexel University (USA), who published the results of his 1996 research “Writer Identification by Professional Document Examiners.” In this study and another involving hand printing in 2002, Dr. Kam confirmed significantly greater reliability in the comparison of handwriting by Forensic Document Examiners when compared with results from comparisons by laymen. Australian studies followed Dr. Kam in testing the proficiency of FDE versus non-experts. An initial research effort of significance was conducted at La Trobe University on signature comparison. The results, which again confirmed significant expertise demonstrated by FDE versus the statistically significant poorer results by non-experts, were published in the Journal of Forensic Sciences. The Australian report addressed the superior “correct call” results on signatures, and extended these results to include “called only” responses (omitting inconclusive responses), which also recorded an FDE correct rate significantly greater than the non-expert rate.

The expansion of technology in acquiring signatures of all kinds has lead to studies of other dimensions of handwriting, namely, the speed of writing and the manner in which the writing instrument is used such as angle and pressure or force exerted onto the writing substrate. The work of Strach and Devlin was presented in 2009 (ASQDE) in which digitizing pads were utilized in the assessment of these characteristics, whose importance is rapidly increasing.

The Handwriting Research Laboratory of the School of Human Biosciences, La Trobe University, Melbourne, Australia, has produced two doctoral graduates with theses that concentrated on Forensic Document handwriting topics. There are currently three doctoral
students conducting research in the areas of disguised and simulated signatures and handwriting and several published papers and peer-reviewed presentations for these studies have already been produced. Additionally, La Trobe researchers have conducted workshops and several conferences for FDEs and forensic scientists. Scientists from this university have also published research in the *Journal of Forensic Sciences* on studies tracking eye movement patterns by FDEs and laypeople when comparing genuine and forged signatures. Their results suggest reasons underlying the results in other studies that show FDEs significantly outperform laypersons in simulated forensic examinations of signatures and handwriting.

Other research in Australia involved areas of secondary writing impressions (those created other than from the act of writing), writing indentations enhanced by scanning documents, laser printer differentiation, and line sequencing research.

**Ink Analysis**

The discrimination of inks has long been a focus in the field of FDE and research has taken place world-wide with numerous published works. A recent project on hyper spectral imaging has involved quantitative hyper spectral imaging applied to distinguish changes in the fluorescence and luminescence spectra of inks and paper when exposed to sunlight for periods of time. The application was also applied in increasing the discriminatory capabilities of Thin Layer Chromatography (TLC) plate samples. A chapter in the 2008 publication, *Handbook of Analytical Separations*, highlights chromatographic procedures applied to ink analysis in addition to reviewing older techniques.

**International Graphonomics Society**

The International Graphonomics Society (IGS) is a world-wide group of academics and practitioners who meet every two years. A wide range of research in handwriting that includes early development, forensic examination, automatic signature and handwriting verification, effects of age and illness, and other related topics have been presented. Each presentation is peer reviewed and published as an extended abstract in the IGS Proceedings.

In addition to affiliations with professional organizations such as the Academy, other venues have promoted training and research for FDEs in laboratories around the world. One prime example is the U.S. State Department’s Central American Regional Security Initiative, CARSI, which provides assessments of a region’s gun sales regulating capability, law enforcement investigative capabilities, firearms tracing, the regulating of explosives, and forensic support capabilities. For the latter, Federal forensic examiners have volunteered to travel to various areas in Central America, assess the capabilities of the forensic laboratories, and make recommendations for funding of grants based on regional and laboratory needs. Ideas and information on current technology have been shared thanks to this funding, which would not have been possible otherwise.

It is through the spirit of cooperation that so much meaningful information has been developed, recorded, and shared on a global scale within the FDE community. The American Academy of Forensic Sciences continues to provide a significant venue in which to share this information. We are proud of our section’s continued efforts to substantiate and bolster our discipline’s reliability and validity through emerging scientific theory and techniques.

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1. Mass 309, 1814
5. Radley RW Determination of Sequence of Writing Impressions and Ball Pen Inkstrokes Using the ESDA Technique, J Forensic Science Society 1993:33 69—72.
The following individuals have submitted applications for Associate Member, Trainee Affiliate, or Student Affiliate. Applications that are received and completed by October 1, will be considered for approval at the February 2012 Board of Directors Meeting. Due to space constraints, AAFS does not list members who are applying for promotion to Fellow or to Member. Comments or concerns regarding an applicant should be submitted in writing to: Cheryl Hunter, Membership Coordinator, AAFS, 410 North 21st Street, Colorado Springs, CO 80904; chunter@aafs.org. Comments must be received by February 10, 2012.

### Applicants

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Haddad, Sandra, PhD
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Hall, Erik C., MSFS
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Academy News

Robbins, Kimberly
Colonial Beach, VA

Roberts, Kevin
Reading, MA

Rodriguez Cruz, Sandra I., BS
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Rotea, Rochelle C.
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Aguadilla, PR

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Harris, Donvale
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Hernandez, Edgar
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Hodge, Dwayne A.
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Chandigarh, INDIA

continued on page 44
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Waldorf, MD

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Chamberlain, SD

Bryant, Michael S.
Greer, SC

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Euless, TX

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--- continued on page 46 ---
<table>
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<th>City, State</th>
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<td>Christchurch, UNITED KINGDOM</td>
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<td>Rodriguez, Nina, BS</td>
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<td>Rubin, David B., Jr.</td>
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<td>Midlothian, TX</td>
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<td>Schmidt, Michelle L., MS</td>
<td>Sinking Spring, PA</td>
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<td>Schulz, Danielle, MFS</td>
<td>Omaha, NE</td>
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<td>Smith, Adanna N., MA</td>
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<td>Smith, Anna M.</td>
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<td>Sowle, Danielle, BS</td>
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<td>Stevenson, Regina D., BA</td>
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<td>Streeter, Courtney M.</td>
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<td>Tilney, Rebecca J.</td>
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<td>Turr, Jennifer L., BS</td>
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<td>Velik, Hana</td>
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<td>Viniconis, Katherine A.</td>
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<td>Wallen, Giselle</td>
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<td>Walsh, Thomas V., BS</td>
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<tr>
<td>Warnock, Justin M.</td>
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<td>Watkins, Kisha</td>
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<td>Watson, Sarah</td>
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<td>Whisenhant, Maegan R.</td>
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<td>Whittman, Michelle D.</td>
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<th>Associate Member</th>
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<td>Alley, Olivia, MA</td>
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64th Annual Scientific Meeting
Atlanta Marriott Marquis Hotel
February 20-25, 2012

www.aafs.org/aafs-2012-annual-meeting

Registration Form - Page 20

Key Dates to Remember:

Pre-Registration Deadline Date - January 25, 2012
Hotel Registration Deadline Date - January 13, 2012

Academy News
Kimberly Wrasse, Executive Assistant to Anne Warren, joined the staff in 1998. Her responsibilities include assisting Anne with day-to-day communications and administrative tasks involving the Academy’s Board of Directors and its Executive Committee, Nominating Committee, Long Term Planning Committee, Ethics Committee, as well as those Academy committees created to handle specific tasks. She also provides assistance to Nancy Jackson, Director of Development & Accreditation, with the Forensic Science Educational Conferences (FSECs). Through her role as Continuing Education Coordinator, Kimberly is responsible for ensuring that the Academy is in compliance with the various accrediting agency requirements. Additionally, she coordinates the Forensic Sciences Foundation (FSF) Silent Auction and most FSF grants. She also serves as the Registrar for the American Board of Forensic Toxicology (ABFT) and the American Board of Forensic Odontology (ABFO).

Kimberly, and her husband Gary, have been married for seventeen years and have five fuzzy children – three dogs and two cats.

Nancy Jackson, with the Academy since 1991, serves as Director of Development & Accreditation. She is undoubtedly the second most visible member of the staff, and the ultimate recipient of many of the inquiries sent to Anne with whom she works closely. The goal of their joint endeavor is to expand the role of the Academy in the field of forensics science, in part by collaborating with similar organizations throughout the world. Nancy is responsible for public relations, program development, and project management under the influence and direction of the Academy’s Board of Directors and working committees. Specifically, she is the staff’s point person with the Forensic Science Education Programs Accreditation Commission (FEPAC), an Academy creation. She also directs the outreach project for middle- and high school science teachers consisting of planning the Forensic Science Education Conferences (FSECs) throughout the country. Nancy’s third hat has her organizing the Academy’s International Education Outreach Program each year. Finally, she oversees all IT development in the Academy office. The proud grandparents of four and “parents” to two Shih Tzus, Nancy and her husband, Jack, don’t sit on the sidelines. They spend their leisure time searching for and enjoying great scuba diving sites.

As the Executive Director and CEO of the AAFS, Anne Warren is responsible for the smooth day-to-day management of Academy affairs, including the direct supervision of a staff of 12 and the oversight of a budget in excess of $5,000,000. She maintains regular contact with the AAFS President, members of the Board of Directors, and more than a dozen committee chairs to effectively implement the Academy’s mission and objectives. Anne joined the Academy staff as Assistant Director in September 1985, and became Executive Director in 1990. She and her husband, Steve, enjoy the challenges of flower gardening in an arid climate at 6,500 feet. Her son, John, is a senior at Western State College of Colorado completing a double major in History and Political Science.

Nancy Jackson

Kimberly Wrasse

Anne Warren

Kimberly Wrasse

Nancy Jackson

AAFS Staff Spotlight
A Letter from the YFSF President
As 2011 begins to wind down and the excitement of the 2012 AAFS Annual Meeting increases, there are two very important deadlines to keep in mind: 1) the January 25, 2012, registration deadline for the AAFS Annual Meeting, which begins mid-November; and, 2) the January 13, 2012, hotel registration deadline for either the Marriott Marquis or the Hilton Atlanta. What’s so special about registering so early? You get to pre-register for all the fun and fabulous special sessions, workshops, breakfasts, and luncheons. These events fill up quickly and we want to reach every new and young forensic scientist that attends the AAFS meeting. Unfortunately, if you do not pre-register for these events, you will not be able to register onsite for them. Each year the YFSF Special Session grows, and the YFSF officers try to avoid turning away people or putting them on a waiting list but have had to do so in the past. Another great opportunity to think about is presenting at the YFSF Bring Your Own Slides or Bring Your Own Poster Sessions. If you were unable to get your abstract in on time to present during the main AAFS sessions or if you are a little shy about presenting in front of a large audience, these two sessions offer a fabulous chance to present on a smaller scale. YFSF looks forward to seeing you all in Atlanta!

Tanisha V. Henson, MFS
YFSF President
tanisha.henson@yahoo.com

A Letter from the YFSF Secretary
Do you want to become more involved in the forensic community? Are you interested in sharing your research with other forensic scientists? If you answered yes to either question, and if you have five years experience or less working full-time in a forensic environment, then the YFSF is for you! One of the best ways to become involved and to learn about the various forensic disciplines and career opportunities is to attend the YFSF Special and Breakfast Sessions at the 2012 AAFS Annual Meeting in Atlanta. Please visit www.aafs.org/aafs-2012-annual-meeting to register for these events. See page 20 for the 2012 registration form. Select item S-2 “Young Forensic Scientists Forum” in box 3 of the registration form.

Furthermore, if you would like to share either your research or a case study with other young forensic scientists, please consider presenting your data at either the YFSF Poster Session or YFSF Bring Your Own Slides Session. Both sessions provide non-intimidating presentation environments, so do not let a fear of public speaking or a lack of artistic ability keep you from sharing your work. Please contact the officers for the session of interest to learn more. Lastly, please do not hesitate to contact Lauren Pharr at lpharr1@tigers.lsu.edu with any questions you may have about the YFSF and the benefits the YFSF has to offer.

Lauren Pharr, MA
YFSF Secretary

Financial Liaison for the YFSF

Time is running out! Do not miss your chance to support the YFSF and help us make our Special Session a success! Events held at each meeting include a day-long scientific session, a working breakfast session, a Bring Your Own Slides presentation, and a poster session. These sessions are critical in the professional development of young scientists trying to establish a solid foundation in the field of forensic science. The YFSF relies on the support and contributions of the forensic community. In the past we have received both monetary and educational support from AAFS Sections, universities with FEPAC accredited programs, and various forensic science vendors. Organizations may contribute in several ways such as a financial donation, donation of materials, or through sponsorship of the YFSF Special Session lunch or breaks. If you or your group is interested in providing support for the 2012 YFSF Special Session, please contact Jackie Jenkins at j.jenkins71@gmail.com.

Jackie Jenkins, PhD, MSFS
YFSF Financial Liaison

YFSF Special Session
The forensic science field is continuously growing and new advancements are being made. New breakthroughs in the field can change the way investigations are performed and how evidence is collected and processed. This year’s Young Forensic Scientists Forum will include a variety of sessions that are designed to provide educational opportunities for young forensic scientists. These sessions will cover a wide range of topics including crime scene analysis, fingerprint analysis, DNA analysis, and digital forensics. The sessions will be led by experienced professionals in the field and will provide participants with the opportunity to learn from the experts.

For more information about the YFSF Special Session, please visit www.aafs.org/aafs-2012-annual-meeting and select item S-2 “Young Forensic Scientists Forum” in box 3 of the registration form. You can also contact Lauren Pharr at lpharr1@tigers.lsu.edu with any questions you may have about the YFSF and the benefits the YFSF has to offer.

Academy News
Young Forensic Scientists Forum cont.

Forensic Scientists Forum Special Session, *Contemporary Topics in the Forensic Science Community*, will highlight new advancements and topics in the field and what impacts they are making.

The full-day of speakers will consist of professionals discussing progressions and new topics in a wide range of disciplines, including digital and multimedia, forensic veterinary science, toxicology, forensic psychiatry, and much more. The speakers who have been chosen are knowledgeable in their fields, and are bringing interesting and beneficial information to the session.

The YFSF Special Session schedule is currently being finalized. Be on the lookout for the next YFSF newsletter, which will contain detailed speaker information to help plan your trip to Atlanta. Any questions regarding the session can be sent to Martin Overly (martin.overly@mail.wvu.edu) or Lindsey Crass (lindsey.crass@mail.wvu.edu).

YFSF Breakfast Session

Greetings from Mississippi! Summer is over and the fall weather is amazing. Only a few months remain until the Academy meeting in Atlanta, and we are excited to see old friends and meet some new ones. With the school year almost halfway complete, a lot of students are getting ready to graduate and to look for jobs in the forensics community. As a result, the main questions going through students’ minds are often the following: “What will make me stand out from the pack?” “What will make hiring managers notice what I have to offer?” “How will my resume play a part in finding a job?”

These questions and more will be answered at the 2012 YFSF Breakfast Session. The speakers scheduled to attend the Breakfast Session have many years of experience working in a crime lab and reviewing resumes. Our first speaker will be Jenna Oakes-Smith, a forensic scientist with the St. Louis Metropolitan Police Department. She will be discussing “lab life” and what it actually means to have a job in a forensics lab. Some people have a misguided view of what a crime lab actually does due to forensic shows on television. Jenna Oakes-Smith will also discuss the differences between public and private labs. This will be very informative for those attendees who are not sure which direction they want to go.

Our second speaker will be M. Lee Goff, Director of the Forensics Science Program, Chaminade University of Honolulu. Working in an academic setting, he has had the occasion to review a number of resumes from perspective employees, graduate students, and witnesses. He also has had the opportunity to assist his own students in producing their own resumes. According to him, he has seen what should be done, should not be done, and on occasion, seen a “What the heck is that there for?” Dr. Goff’s talk will be quite enlightening.

As always, we will have a resume panel following the speakers. However, this year the YFSF Breakfast Session will have a representative from every section of the Academy on this panel. The YFSF officers are expecting a large turnout for the 2012 YFSF Breakfast Session. If you have any questions, feel free to email them to Melissa DeBerry at mdeberry@mccl.state.ms.us. I look forward to seeing everyone in Atlanta!

**Melissa DeBerry**  
**YFSF Breakfast Session Chair**

**YFSF Bring Your Own Slides**

Hello young forensic scientists! The February meeting is just around the corner, which means abstracts for the YFSF BYOS Session are due soon! We appreciate all those who have expressed interest and have submitted CVs and abstracts. If you are interested in presenting, there is still time to submit and we encourage you to do so. The BYOS event is looking for: 1) research that contributes to the field of forensic science; or, 2) a case or an important topic from which young and emerging forensic scientists would benefit.

Do not miss this fantastic opportunity to contribute to your field and gain experience in presenting. If you are interested in presenting, please send an abstract and your CV to Alison Mostrom at alison.p.mostrom@usdoj.gov or Amber Neitzel at ancitzel@email.arizona.edu. Abstracts and CVs need to be submitted by December 15, 2011. We look forward to hearing from you!

**Ali Mostrom, MSFS**  
**Amber Neitzel, BS**  
**BYOS Chair**  
**BYOS Co-Chair**

**YFSF Poster Session**

We would like to encourage both students and young professionals in each section to get involved at this year’s AAFS Scientific Meeting by participating in the 2012 Young Forensic Scientists Forum Poster Session. It is not too late—submissions are still being accepted. The YFSF Poster Session is an opportunity to showcase not only a student’s research, but also research of young professionals of all ages.

Please note there has been a date change, the poster session is now scheduled for the evening of **Tuesday, February 21, 2012**.

If you are interested in presenting your work at the 2012 YFSF Poster Session, submit a one-page abstract and curriculum vitae before the **Monday, December 19 deadline**. Please review the AAFS abstract policy and general instructions for help with the content of your abstract. Notifications of acceptance will be sent out by January 9, 2012.

Submissions and questions regarding the YFSF Poster Session can be submitted to: **YFSFPosterSession@gmail.com**. We look forward to reviewing your submissions for the 2012 YFSF Poster Session!

**Taryn Mead, BS**  
**Jennifer Malone, PhD**  
**YFSF Poster Session Chair**  
**YFSF Poster Session Co-Chair**
Meetings & Conferences

NOVEMBER 2011

10-12
DNA and Civil Liberties Conference II—To be held at MassBay Community College Auditorium in Wellesley, MA.
CONTACT: Alyssa Zajac
(781) 239-2285
azajac@massbay.edu
www.massbay.edu/dnaconference.aspx

14-16
7th Virtopsy Basic Course—To be held at the University of Zurich in Zurich, Switzerland.
CONTACT: vbc2011@irm.uzh.ch
www.virtopsy.com

16-18
8th Annual Security Printing Conference—To be held at the Hollywood Beach Marriott in Hollywood (Ft. Lauderdale), FL.
CONTACT: www.imiconf.com

26
Forensic Aspects of Archaeology—To be held at the University of London, Garden Halls, Cartwright Gardens, London WC1.
CONTACT: Richard
+07973 695 168
study.egypt@virginmedia.com

DECEMBER 2011

4-9
Alcohol & Highway Safety: Testing, Research & Litigation—To be held at Indiana University in Bloomington, IN.
CONTACT: www.borkensteincourse.org

5-9
Basic Bloodstain Pattern Analysis Workshop—Presented by the Specialized Training Unit at the Miami-Dade Public Safety Training Institute in Doral, FL.
CONTACT: Toby L. Wolson, MS
Miami-Dade Police Department
(305) 471-3041
Fax: (305) 471-2052
twolson@mdpd.com

19-21
Latent Fingerprint Processing Class—To be held at the Great Bay Community College in Portsmouth, NH.
CONTACT: www.focossforensics.com
(603) 337-5536

JANUARY 2012

9-13
Medicolegal Death Investigator Training Course—To be held at Saint Louis University in St. Louis, MO.
CONTACT: Julie Howe
(314) 977-5970
howej@slu.edu
medschool.slu.edu/mldi

12-17
Certified Evidence Photographer Training—To be held in New Orleans, LA.
CONTACT: Professional Photographic Certification Commission
(888) 772-2780
Fax: (404) 614-6404
www.evidencephotographers.com

23-27
Math and Physics of Bloodstain Pattern Analysis Workshop—Presented by the Specialized Training Unit at the Miami-Dade Public Safety Training Institute, Doral, Florida.
CONTACT: Officer Rosa Holtz
Miami-Dade Police Department
(305) 715-5022
Fax: (305) 715-5107
rholtz@mdpd.com

FEBRUARY 2012

3-5
3rd International Conference on Current Trends in Forensic Sciences, Forensic Medicine & Toxicology
Organized by Indian Association of Medico-Legal Experts (Regd)—To be held at the Ramada Hotel Jaipur in Jaipur, Rajasthan, INDIA.
CONTACT: www.iamleconf.in

Academy News
AAFS promotes the advancement of the Forensic Sciences and Forensic Scientists

AAFS Benefits
Your inclusion in the AAFS will give you access to the most talented forensic scientists in the nation via personal contact, workshops, seminars, and the AAFS Annual Scientific Meeting, to be held February 20-25, 2012, in Atlanta, GA.

You will receive the Journal of Forensic Sciences devoted to the publication of original investigations, observations, scholarly inquiries and reviews in the various branches of the forensic sciences. This is the official bi-monthly publication of the AAFS.

Your involvement will contribute to the advancement of the forensic sciences.

You will receive the bi-monthly Academy News which will keep you informed of professional issues, upcoming forensic meetings, and conferences, job opportunities, section news, and Forensic Sciences Foundation activities.

For more information:
Phone: (719) 636-1100
Fax: (719) 636-1993

New Applicant Services Only:
(800) 701-AAFS

Email: membership@aafs.org
Website: www.aafs.org

Do you know someone who may be interested in AAFS membership?

Please provide the information below and AAFS will send an application to:

Name: ____________________________________________________________

Address: ______________________________________________________________________

City: _________________________________________________________________________

State: ____________________________________________ Zip: __________________________

Please provide your name so the potential applicant will know who requested the application. AAFS will also recognize you by placing a Sponsor ribbon in your 2012 Annual Meeting registration packet. Please detach form and return to AAFS. Thank you.

Your name: _________________________________________________________________