AN INTRODUCTION TO THE BASIC BODY TISSUES:
• blood
• connective tissue
• epithelium
• nerve tissue
• muscle
• bone
• cartilage

EXPANDING YOUR UNDERSTANDING:
➢ how to recognize the tissues macroscopically and microscopically
➢ exploring some structural relationships among tissues, other structures, organs and systems
➢ how to collect and preserve different tissue, structure and organ types

MULTI-INSTRUCTIONAL METHODS:
✓ lecture
✓ group viewing macro- and micro-
✓ individual hands-on exercises
What format best suits your interest in the topics?
LDHerold@LASD.org

The format of this Lecture & Workshop is:
• 2-3 hours lecture/group viewing at general session
• 4 hour optional workshop exercises, very limited capacity

Other format options are available depending on general interest and ability to meet logistics.
➢ all lecture/general viewing, no hands-on workshop
➢ all lecture/workshop to limited capacity group, all day
➢ other format ideas/preferences you may have

Presentation by Lynne D. Herold, Ph.D., Biological Sciences
Los Angeles County Sheriff’s Department,
Scientific Services Bureau/Trace Section

Lecture/Workshop Technical Support and Sponsorship by

Mideo Systems
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2011 IABPA Officers

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President’s Message

Greetings, I hope this finds you all well.

As we rapidly approach the IABPA 2011 conference in Milwaukee, Wisconsin, I thought I would bring you up to date on its status. Registration is moving along. We have attendees registered from The Netherlands, France, Poland, Germany, Canada and the USA. The conference agenda is included in this issue of the Journal. Please understand that as we get closer it will change. Keep an eye on our web page for those updates. The speakers will be submitting their topics by July 1. That information will be added at that time. If any of you are interested in presenting at the Wednesday night “Bring Your Own Case” hosted by Stuart James, start thinking about what case you want to present. I have a couple of spots open for presenters in the main session as well.

The proposed Bylaws, Code of Ethics, and Code of Ethics Enforcement Procedure have made several rounds through the Board of Directors for review. I am pleased to report that the final draft is here in the Journal for your review. We will be voting on this in Milwaukee. There has been an incredible amount of hard work put into these documents. Please take the time to read them.

The Internet Committee is researching the best way to go with improvements for our web site. We are also looking at ways to communicate to our members. We have proposals from several companies. We are looking at what is most practical and affordable for the IABPA. Any thoughts on this topic or any other are always welcome. This topic is next in line for consideration.

As you read through the Journal, you will see that the Awards Review Committee has completed the awards policy. I want to thank T. Paulette Sutton, Emily Williams and Tony Mangione for working with me on this document. The policy was reviewed by the board and after a few excellent comments the finished draft was completed. A nominations form will find its way to the web page and into the journal in the near future.

Please know that your board and committee members are working very hard to ensure the direction of the IABPA is a positive one. Change is not always easy, but it is often times needed. In my opinion, they have knocked it out of the park. Excellence at its finest!

If anyone has any questions or comments for any of us, please feel free to email or call anyone of us. We are here to serve you, the members of the IABPA.

Blessings to you all,
Todd
Alternative Resources for Bloodstain Pattern Analysis

Kenn Meneely, BS
Willamette Valley Forensics
Donald Schuessler
Physical Evidence Consultant

Introduction

Bloodstain pattern analysis (BSPA) can yield numerous insights into the cause and events of an incident involving bloodshed. Both training in bloodstain pattern analysis and the use of the technique during reconstruction efforts require the use of either human or animal blood to reproduce patterns found at the crime scene and to determine the events which caused blood to spatter. The use of human blood in bloodstain pattern experiments and demonstrations can create biohazard risks and logistical issues such as:

- Blood borne pathogens (Hepatitis A, B, C and HIV) \(^{(1)}\)
- Required protective equipment as chemical suits, face shields and shoe covers
- Required decontamination of both equipment and experiment area
- Disposal of blood contaminated supplies such as paper used on walls and floors
- Potential biohazard contamination issue for employees and court personnel
- Acquisition of human blood
- Shelf life / stability and storage issues

Due to the aforementioned hazards and logistical issues, scientists have utilized animal blood for BSPA training and pattern reconstruction case work \(^{(3)}\). Authors such as Christman have found little difference in the patterns created with animal and human blood \(^{(2)}\). Even though animal blood is absent of many human diseases, other pathogens may still be present. Sterile animal blood may be purchased to eliminate any concerns however, as with human blood; there remains the issue of shelf life / stability, storage and logistics of obtaining the materials.

During recent case work, the bloodstain impact patterns on clothing became a primary issue along with concerns of presenting the work product in court. Because of the mentioned issues associated with human and animal blood, a study was conducted to compare animal blood with synthetic blood to use as a substitute in BSPA experiments. SWGSTAIN has reviewed research completed in the UK, and recommends that only synthetic blood products containing corn syrup be used for bloodstain pattern analysis \(^{(5)}\).

Since limited research has been reported relating to the development of synthetic blood as a suitable substitute, a comparison study was conducted between impact spatter of animal and synthetic blood.

Materials

- Synthetic blood
  Source: Crime Tech 904-880-9688
  Composition: Corn syrup, red dye, water, propylene glycol, methylparaben
    - Animal blood (beef blood with no anticoagulant added) was obtained from a local meat packing company
      Experiments with the animal blood were completed immediately after purchase.
- Bleach
- Chemical resistant suits with hood and booties
- Full face shield
- One pound hammer
- Sponge
- EK-I 200 balance scale with certified calibration weights
- Semi-flexible, air-filled plastic cylinder

**Conditions:** (refer to photo group 1)

<table>
<thead>
<tr>
<th></th>
<th>Animal</th>
<th>Synthetic</th>
</tr>
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<tbody>
<tr>
<td><strong>Density</strong></td>
<td>1.04 g/cm³</td>
<td>1.03 g/cm³</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>2.70 cST</td>
<td>2.73 cST</td>
</tr>
<tr>
<td><strong>Volume of sample</strong></td>
<td>4 ounces</td>
<td>4 ounces</td>
</tr>
<tr>
<td><strong>Number of impacts</strong></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Distance from origin to wall</strong></td>
<td>3 feet</td>
<td>3 feet</td>
</tr>
</tbody>
</table>

(a) Density was determined as mass/volume (grams/cubic centimeter) \(^8\)

(b) Viscosity was determined by two independent tests
   1. Relative viscosity:
      Synthetic stage blood was diluted with water (50/50) to obtain a consistent viscosity and density to that of the animal blood specimen. Viscosity was determined by applying one drop of each specimen onto a glass plate and measuring the run distance time at 30°, 45° and 60° degree angles. The relative viscosity was consistent between samples.
   2. Analytical viscosity:
      A sample of animal blood and 50/50 diluted synthetic blood was analyzed by Specialty Analytical Laboratories (SPL Clackamas, Oregon 503-607-1331). Each sample was tested for viscosity at 20°C under ASTM methods D445. The results are measured in units of centistoke (cST).

(c) 4 ounces of material (animal blood and synthetic blood) was added to separate sponges. These sponges were secured to the cylinder by duct tape.

**Results**

In each situation, both animal and synthetic blood created impact spatter patterns on paper covered walls consistent to that reported by Bevel and Gardner \(^1\) and referenced as meeting the following criteria:

1. A radiating pattern of small individual drops created when a blood source is broken up by some force.

2. The size of the stains are generally less than 5 mm. (refer to photo group 2)

3. Impact spatter on clothing from the synthetic blood was produced as expected. The most significant difference was that impact spatter on the plastic protective suit from animal blood was not consistent with what would be expected to be found on typical clothing articles; as the animal blood dripped and ran during the experiment. (refer to photo group 3). The use of synthetic blood offers several advantages over human or animal blood when conducting bloodstain pattern experiments.

- No biohazards to investigators or court personnel if experiments are viewed during trial or entered into evidence
- The use of protective equipment is not necessary
- Spatter can be deposited on clothing or tissue during reconstruction experiments without concern for biohazards or contamination.
• Spatter on clothing and other materials was consistent to animal spatter.
• Easy clean up
• Shelf life / stability is not an issue

The disadvantage discovered was that drying time of the synthetic blood was significantly different from the animal blood. Synthetic blood on paper covered walls was not sufficiently dry enough to be transported until the next day. The animal blood was sufficiently dry within a few hours.

**Experimental Impact Spatter 1**

![Animal Blood](image1.png) ![Synthetic Blood](image2.png)

Animal blood spatter  
Synthetic blood spatter
Experimental Impact Spatter 2

Animal blood spatter

Synthetic blood spatter
Experimental Impact Spatter 3

Animal blood spatter on protective suit

Synthetic blood spatter on clothing
Summary

This study was not intended to replace the use of human or animal blood as reported in previous studies. Based upon circumstances of the case or demonstration, this material offers the analyst a resource material free of degradation issues or biological contamination.

References


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Committee Reports for June 2011

Awards Committee
*Todd A. Thorne – Chair*
tat323@kenoshapolicem.com

The committee has selected several awards that are suitable for the IABPA members. An Awards Policy draft has been written and has made its way through the board. There were a few changes made to the policy. It is our plan that an awards nomination form will be made available on the web page as well as in our journal.

Membership Committee
*Norman Reeves - Chair*
规范@bloody1.com

A total of 107 applicants or requests for promotion have been processed this year by the committee. In 2011 there are currently there are 822 members of the association. This number includes applicants.

Education Committee
*Leah Innocci – Chair*
linnoc1@gmail.com

The Education Committee is continuing its work with the Advanced Course requirements draft. In addition, we are researching bloodstain training programs from around the world. The Education Committee also discussed the problem with online 40-hour courses that do not require a practical, hands-on component. In the end we felt the warning given on the website under the membership tab is enough for now. If people choose to try for a provisional/full membership anyway, we can address these on a case-by-case basis. This is in keeping with the current policy.

If IABPA members have any comments or input concerning bloodstain training programs, please email Leah Innocci at linnoc1@gmail.com.

Bylaws Committee
*Carolyn Gannett - Chair*
GannettForensics@aol.com

As a follow-up to the draft Code of Ethics, published in the last issue of the Journal, this issue offers interim drafts of two additional documents. They have been reviewed by the Bylaws Committee and the Board, with some input from the Association’s lawyers. The drafts are presented here for the membership’s review. Any comments must be received by the Bylaws Committee by July 1, 2011 in order to be considered. After that, final drafts of all three documents (the Code of Ethics, the Code of Ethics Enforcement Policy, and the Bylaws), to be voted on at the next Business Meeting, will be mailed to the membership at least 60 days before the meeting. Written suggestions that are received by July 1, 2011 will be considered and receive a response. Please send them to GannettForensics@aol.com.

The first document is a draft for a Code of Ethics Enforcement Policy. It is modeled after the policy of the California Association of Criminalists. That policy has been in place for over 30 years and has stood the test of time and use. It has been modified to apply to the needs of the IABPA.

The second document is a draft of changes to the Bylaws (see the appendix). To ratify a new code of ethics and enforcement policy necessitates some changes to the Bylaws. Additional
changes have been proposed based on requests and input from multiple sources since the last conference. The changes are summarized below.

While the Association’s lawyers have been tapped for advice on a piecemeal basis, they will get their first chance to review the documents in their entirety in June. This may result in some changes, as might input from the membership. So, be sure to review the final drafts that will be mailed to you before casting your vote at the Business Meeting.

Thank you to everyone who worked so hard on all three of these drafts. The magnitude of the task was intensified by tight time constraints, designed to ensure that you, the membership, has plenty of time to review the drafts and submit ideas for change before the final drafts are mailed. Please take advantage of the extra time and let the Bylaws Committee know before the July 1st deadline of any concerns you have.

**SUBSTANTIVE CHANGES TO THE BYLAWS**

1. Added explicit statement that all members shall endorse & adhere to the Code of Ethics (Article II introductory paragraph; Article II, Section 1). SOURCE: CMG, 2007-2011.
2. Added a definition for “member in good standing” (Article II introductory paragraph). SOURCE: request from Certification Committee via Todd, Spring 2011.
3. Added wording to state it is the duty of every member to assist the Ethics Committee during an investigation to the extent the member is reasonably able to do so. (Article II introductory paragraph).
4. Added wording that supports the interdisciplinary approach of BPA (II.1).
5. Added wording to address membership by those convicted of a felony (II.1).
6. Added requirement for a Distinguished Member to be a member in good standing (II.2.D.1). SOURCE: CMG, 2011.
8. Removed denial of membership “with no reason given” at the suggestion of the lawyer (II.3.B).
9. The requirement that VPs turn around membership application reviews within 60 days was in the previous Bylaws, and was inadvertently left out of the 2008 rewrite. It is put back in here (II.3.E).
10. Membership liability has been reworded:
12. Consecutive terms for the President, the six VPs, and the Sgt-at-Arms are limited to three (new IV.1.C). Note that the length of the term remains the same as before (one year), and that no term limits have been added for the Treasurer, Secretary, Historian, or Immediate Past President. SOURCE: Oct 2010 Board meeting.
14. The President is made responsible for submitting duties statements (new IV.3.E) and committee make-up (new IV.3.F) to the website. SOURCE: CMG, 2011.
16. Qualification of the VPs duties, from “Assist the President…” to “Assist…as requested by the President.” (new IV.5.A). SOURCE: Todd, 12-09-10 e-mail.
20. Changed the name of the IABPA’s publication (new V.D). SOURCE: Board, 2011.
21. Added an Awards Committee to the standing committees (new V.E). Todd has drafted a duties statement that defines (and adds) several awards. SOURCE: Todd, 2011.

NON-SUBSTANTIVE CHANGES TO THE BYLAWS
1. Corrected tax-exempt status from 501(c)(3) to 501(c)(6). (Preamble, paragraph 2).
2. Corrected typos (II.B.3 and II.C.3).
3. Wording describing the regions has been moved from under the section “Duties of the Vice President” to the section “Officers.”

Ethics Committee
Rex Sparks – Chair
rtsparks@dmgov.org

First of all I am pleased to report that no new ethics complaints have been received and as such no ethics actions have occurred. The ethics committee has been busy taking part in the rewriting of the ethics bylaws. Unselfish efforts have been put into this overwhelming project by not only members of this committee but the entire membership of the expectative board but individual association members and committees.

Our committee would like to thank our association president Todd Thorne for his insight and leadership to get this project underway and he has provided great leadership through this project. The process is now nearing the final stage where a draft of the new bylaws has been authored and after unending discussion is “nearing” completion and is scheduled to be presented to the association membership at the Milwaukee conference in October. Please plan to attend this important conference!!

Our committee members proudly serving this term are Gillian Leak, Pat Laturnus, Matt Noedel and Rex Sparks. Our purpose is to ensure the quality of the bloodstain pattern analysis discipline and to represent the IABPA to the standard the world has come to expect from us. Please feel free to contact any of us.

In closing, I cannot say enough about the efforts put forth by Carolyn Gannett of California in this process. Carolyn serves as the chairman of the bylaws committee and has a great deal of expertise and experience in writing bylaws and also instructs a college course dealing with forensic ethics.

Carolyn has spent endless hours drafting and re-drafting the new ethics bylaws, requesting input, answering questions and dealing with everybody’s concerns. She has literally gone beyond the “call of duty” in this process and I ask all Association members to recognize and thank her for her massive efforts in this process.

Hope to see you all in Milwaukee, Wisconsin in October.

Dan Rahn Grant Committee
Michael Taylor - Chair
Michael.Taylor@esr.cri.nz

The primary focus of the committee has been to restructure the Dan Rahn Memorial research grant. 2010 was the second year the grant was to be awarded. Surprisingly no applications were received in 2010, which prompted a rethink of the award and its administration. A number of changes have been introduced. The value of the award has been increased to US $3000 p.a. and is now available to support travel to the annual IABPA conference.
The purpose of the grant is firstly to encourage research in BPA and secondly to enable that research to reach the BPA community. The award is open to applicants who are full or associate members or nominees of an IABPA full member, and must be members in good standing. The purpose of the grant is firstly to encourage research in BPA and secondly to enable that research to reach the BPA community. Preference is given to those who are not previous recipients of the award. The grant is administered as a two part award:

- Part 1: a small start-up grant to the successful applicant. Up to US $2000.00 is available to meet the costs of materials, consumables, literature review and other legitimate project costs including the publication of the results which is an expectation of the researcher.
- Part 2: a travel and publication grant to enable the researcher to communicate his/her research results to the BPA community. Up to US $2000.00 is available to assist the researcher travel to the annual IABPA conference in order to present research findings in what will be known as the “Dan Rahn Memorial Research Lecture”. Conference registration and accommodation will also be provided to the successful applicant.

The timetable for the award has also been changed to make it suitable for both northern and southern hemisphere applicants and a new cycle, centered on the annual conference, has been put in place. It is as follows:

1 September Closing date for applications
October (at IABPA conference) Committee will review and decide on an award which will be announced at the conference
1 Nov or 1 Feb* Start-up grant money transferred to successful applicant
15 Jan or 15 April* Interim Research report #1 due
1 Apr or 1 July* Interim Research report #2 due
October (at IABPA conference) Final report submitted in publication format
Conference presentation: Dan Rahn Memorial Research Lecture
November Publication submitted to Journal of Bloodstain Pattern Analysis

* Timetable options are given to suit applicants in different hemispheres

As no applications were received in 2010 it was decided to make a one-off award to be granted for the period January – October 2011. That award went to Theresa Stotesbury of Trent University, Ontario, Canada. Her project is entitled: *The application of acid yellow 7 for the visualization of impact bloodstain patterns camouflaged on dark surfaces and analysis using the BackTrack™ suite of programs*. Theresa will be presenting her findings at the conference in Milwaukee in October.

Changes have also been made to the committee and for 2011 the members are: Michael Taylor (Chair), Brian Yamashita, Mark Reynolds, LeeAnn Singley and Paulette Sutton. Activities for 2011 will include monitoring the current Dan Rahn grant-funded project and establishing the new Dan Rahn memorial lecture at the forthcoming conference.

**Publication Committee**

*Stuart H. James - Chair*

jamesforen@aol.com

The publication committee looks forward to receiving more articles for peer review and publication in the Journal. Requests for articles previously published continue to be received from individuals, forensic laboratories as well as college and university libraries.
Internet Committee  
*Jeffrey Scozzafava – Chair*  
jscozz@hotmail.com

The Internet Committee recently forwarded recommendations and options to the Executive Board. As result, the committee has been tasked with determining the costs associated with website development and features such as a secure member only area for online voting and payment of dues. The committee is currently in contact with several website development companies to provide the Executive Board multiple options for consideration.

The membership is invited to forward comments or ideas to committee member Elizabeth Toomer at toomerforensics@gmail.com.

Certification Research Committee  
*Don Schuessler - Chair*  
dschuessle@msn.com

The 2011 Certification Research Committee was given two work tasks by President Thorne; develop an IABPA sponsored certification program and structure a certification examination. The initial step in accomplishing these tasks involves the development of a list of prerequisites required of an applicant for certification. The committee and IABPA board have submitted in depth written comments about the draft prerequisites and certification in general. The list is far from complete as the committee continues to review a variety of certification programs and individual States’ professional licensing requirements as references for the development of an IABPA sponsored program.

Certification program examination prerequisites are:

1. Must be a Full Member of the IABPA in good-standing for not less than one year  
2. Read and endorse by signature the IABPA Code of Ethics.  
3. Successfully complete an advanced 40 hour course approved by the IABPA.  
4. Complete training in areas complementary to BPA, to include, but not limited to:  
   - Crime scene investigation and crime scene reconstruction  
   - Medico-legal death investigations  
   - Anatomy and physiology of the human circulatory system  
   - Photography  
   - Pathology of wounds  
   - Math and physics related to bloodstain pattern analysis  
5. Submit documentation of courtroom testimony and or authored reports in bloodstain pattern analysis  
6. Provide two applicant references (attest to ethics, skills, and qualifications)  
7. Certification renewal every five years. Renewal applicant must demonstrate continued involvement in BPA and obtain a passing score on the re-certification examination  
8. In addition, the recertification applicant must read and endorse by signature the IABPA Code of Ethics  
9. Complete a specified number of hours of professional development since his or her last certification, including, but not limited to:  
   - Casework experience, author reports on BPA or courtroom testimony  
   - Attends training courses or conferences pertaining to the discipline  
   - Conducts research or have published research pertaining to BPA since last certification  
   - Teaches courses in BPA  
   - Successful completion of proficiency testing if required by employer
The Certification Research Committee welcomes input from the IABPA membership on this topic. Any IABPA member wishing to comment or make suggestions about certification prerequisites should submit them to my e-mail listed above.

Legislation Committee
Chair – Carolyn Gannett
GannettForensics@aol.com

The Legislation Committee has been monitoring three items: the developments pertaining to the Forensic Science Regulator in the United Kingdom, the United States draft legislation regarding forensic science reform, and proposed legislation in the US state of Wisconsin regarding rules of evidence. As of press time, there has been no reported movement on the Wisconsin legislation. Updated on the other two are provided below. If you know of other legislation in the works that may have an impact on practicing the discipline of bloodstain pattern analysis, please e-mail the committee chair.

UNITED KINGDOM: FORENSIC SCIENCE REGULATOR

For up-to-date information on what is happening with the Forensic Science Regulator, the most recent newsletter (20/01/2011) can be found at Forensic Science Regulator Newsletter Number 17.

RECENT PUBLICATIONS

Links to recent publications can be found at the link, above, and the links below. Those published since 01/01/2011 include:
Review of Research and Development in Forensic Science publication of evidence (16/02/2011)
Review of Research and Development in Forensic Science research funders guidance (16/02/2011)
Review of Research and Development in Forensic Science researchers guidance (16/02/2011)
Draft Codes of Practice and Conduct (10/02/2011)
Recommendations of the editorial group on the Code of Practice (10/02/2011)
Recommendations of the editorial group on the Code of Conduct (10/02/2011)
Review of Research and Development in Forensic Science Terms of Reference (27/01/2011)
Fingerprint Quality Standards Specialist Group terms of reference (25/01/2011)

UNITED STATES: SENATE BILL ON FORENSIC SCIENCE REFORM

S.132
Latest Title: Criminal Justice and Forensic Science Reform Act of 2011
Latest Major Action: 1/25/2011 Referred to Senate committee. Status: Read twice and referred to the Committee on the Judiciary. No record has yet been found on-line for the Committee on the Judiciary having addressed this.

SWGSTAIN Document Review Committee
Kevin Maloney - Chair
MaloneyK@ottawapolice.ca

The Committee had one document from SWGSTAIN to review during Q1-Q2 2011. Guidelines for the Validation of New Procedures in Bloodstain Pattern Analysis was offered for public peer review by the SWGSTAIN Legal Subcommittee. Several recommendations for change were provided to SWGSTAIN for review and consideration. There was no IABPA representation at the Spring 2011 SWGSTAIN meeting due to a logistical error. This should be rectified by the next meeting. There are currently no other SWGSTAIN documents offered for public peer review.
I. STATEMENT OF PRINCIPLES

It shall be the duty and responsibility of the International Association of Bloodstain Pattern Analysts (hereafter "IABPA") to supervise, investigate, and enforce its members’ adherence to the IABPA Code of Ethics. Such enforcement shall be fair and impartial, and shall be conducted in accordance with the procedures specified in Section II.

II. THE ALLEGATION AND ITS INVESTIGATION

A. The Allegation:

1. An allegation of violation by an IABPA member of the IABPA Code of Ethics (hereafter "allegation"), must be submitted in writing to the President. An allegation sent to any IABPA member other than the President shall be forwarded immediately to the President and shall not be officially deemed received by the IABPA until it is received by the President. ("President," as used herein, shall mean that person then serving as President or such person who shall assume the duties of the President in his or her absence.) While an allegation is being evaluated by the President or under investigation by the Ethics Committee, the allegation shall not be discussed by Officers except as their official duties might require.

2. An allegation may be submitted by any person, regardless of whether he or she is a member of the IABPA. The author of an allegation shall hereafter be called the “Complainant.”

3. An allegation must be submitted in writing. While it need not be in any particular format, it must refer to facts and circumstances as specifically as possible. It must list the section or wording of the IABPA Code of Ethics which the Complainant believes has been violated and his or her reasons for concluding that a violation was committed. Complainants are encouraged to provide substantiating documents along with the written allegations.

4. It shall be proper for the President to contact the Complainant in order to clarify an allegation.

5. If an allegation does not, in the President’s opinion, constitute a potential violation of the IABPA Code of Ethics, the President may discontinue its further consideration, provided that he or she first obtains the written concurrence of the Immediate Past President, the Vice President of the region in which the accused claims membership, and the Ethics Committee Chair (hereafter “Chair”). The President shall advise the Complainant in writing via a “Notice of Discontinuation” (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) within 30 days of the discontinuation and the reason(s) therefore.

5.1. Within fifteen days from receipt of the Notice of Discontinuation, the Complainant may send to the President a written, signed request for appeal of this decision. This appeal shall be heard by the Executive Board (hereafter “Board”) within 30 days following its receipt. The following procedures shall be followed during this 30-day period.
5.1.1. The President shall convene the Board in order to consider the propriety of the allegation and accompanying Notice of Discontinuation. For the purposes of this paragraph, the President may convene the Board by poll in such manner as he or she deems appropriate (by telephone, e-mail, Internet meeting, or other means).

5.1.2. Officers of the Board must vote on the Notice of Discontinuation by responding in writing to the President. If two-thirds of all the Officers of the Board vote to overrule the Notice of Discontinuation, the allegation shall be forwarded to the Ethics Committee for investigation pursuant to Section II.B. A vote of less than two-thirds of all the Officers of the Board is a denial of the appeal.

5.1.3. The President shall advise the Complainant in writing (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) of the Board’s decision. There shall be no right of appeal or of reconsideration by any person whomsoever from this decision.

B. Referral to the Ethics Committee:

1. If a Notice of Discontinuation has not been issued, or if a Notice of Discontinuation has been issued and successfully appealed, the President shall forward the allegation to the Chair (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested). This shall be done within 30 days of receipt if no Notice of Discontinuation was issued, or within 75 days of receipt of a Notice of Discontinuation was issued and successfully appealed.

2. Upon receiving an allegation, the Chair shall send (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) a "Notice of Referral" to the President, and the person against whom the allegation has been made (hereafter "Accused"). The Notice need not be in any particular format, but shall contain the following:

- the entire text of the allegation;
- indication that the allegation is under investigation by the Ethics Committee;
- the apparent Ethics Code section(s) involved;
- an invitation to the Accused to provide the Ethics Committee with any written statement or other documentation which the Accused might deem appropriate;
- a specification of the date (which shall be no later than 90 days from the date of the Notice, subject to the provisions of Section II, C, 4) by when the Chair shall forward the Report of Investigation to the President;
- a link to the Code of Ethics Enforcement Policy or an attachment containing the full text of the Policy; and
- reference to Section II.B.3 of the Code of Ethics Enforcement Policy regarding resignation of the accused before the ethics matter is resolved.

3. If at any time following the issuance of the Notice of Referral the Accused resigns from the membership, the President shall forthwith issue an "Order of Exclusion," which shall bar the Accused from membership in the IABPA until said Order is rescinded thereafter by a two-thirds vote of all the Officers of the Board, and all proceedings or investigations then being conducted with reference to the Accused shall be suspended. Upon notification of the Order of Exclusion, the Ethics Committee will prepare and submit a signed Interim Report of Investigation to the President. The Interim Report of Investigation shall be included with any potentially supporting or refuting documentation that the Ethics Committee had gathered, and then secured within the Association archives. A copy of the Interim Report of Investigation shall be filed in the accused’s membership file, as shall a note that an Order of Exclusion had
been issued against the Accused. Should the Accused be reinstated to membership, the Ethics Committee in place at that time shall retrieve available archived materials, and all proceedings that had earlier been conducted with reference to the Accused shall proceed forward from that point at which they were suspended. The Interim Report of Investigation will meet with the format guidelines stated in Section II.D.1.

C. Investigation By the Ethics Committee:

1. The investigation shall be one of fact-finding, not advocacy. The investigation shall be as thorough, objective, and comprehensive as possible. During the investigation, the Ethics Committee may investigate any potential ethical violations which come to its attention.

2. It shall be proper for the Ethics Committee to change the charges (add to or remove from the list of Code of Ethics sections that the Accused is alleged to have violated), or to bring additional charges based upon considerations of any events encountered during the investigation, whether or not such events were contained in the original written allegation. Any such change of charges requires that the Chair send (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) an amended Notice of Referral within seven days of the decision to effect such changes to the President and the Accused. The President shall notify the Complainant of the changes within seven days of receipt of the amendment.

3. Determination of the manner of investigation and of investigative assignments within the Ethics Committee shall be the responsibility of the Chair.

4. The Chair shall provide the President with the Report of Investigation no later than 90 days after the date of the Notice of Referral, except that the Chair shall receive a 60-day extension by sending (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) a Notice of Extension to the President and the Accused: the Notice of Extension shall specify the new date when the Report of Investigation shall be forwarded to the President. Further extension may be granted thereafter by the President, at his or her discretion, but only for good cause.

5. While an allegation is under investigation by the Ethics Committee, the allegation shall not be discussed by the President or by members of the Ethics Committee except as their official duties might require.

6. In no event shall an investigation be discontinued by changes in the membership of the Ethics Committee or the identity of the Chair. Once an investigation has commenced, the term of any Ethics Committee member whose term has expired may be extended by the Chair until the submission of the Report of Investigation. If the Chair’s term expires, he or she shall, with his or her consent, be appointed "Investigating Officer" by the President and shall have, for such investigation, all the duties and powers of the Chair; if this appointment is declined, these powers and duties shall be assumed by the new Chair.

7. No members of the Ethics Committee shall serve in that capacity in any matter pertaining to an accusation of ethical violations when the Accused is employed in the same laboratory as that member. In the event that a member of the Committee is disqualified from serving by the provisions of this paragraph, the President shall appoint another member to the Committee to serve in all aspects of Committee activities pertaining to the relevant individual. The regularly appointed member shall continue to serve on the Committee in other matters. The provisions of this paragraph shall not serve to disqualify any member who shares a common
employer with the Accused, but whose place of employment is in a different laboratory from that of the Accused.

8. When a request is made by the Ethics Committee, acting in its official fact-finding capacity, it shall be the duty of every member to assist the Committee to the extent that the member is reasonably able to do so.

D. Report of Investigation:

1. The report need not be in any particular format, but shall contain the following in separate sections:
   - a summary of each purported ethical violation investigated (with specific reference to applicable Code of Ethics sections);
   - facts in support of each allegation;
   - facts in contravention of each allegation;
   - a listing of the names of all persons contacted by the Ethics Committee (including addresses and telephone numbers);
   - a listing of, and copies of, supporting documents (if any) possessed by the Ethics Committee;
   - a listing and location of other documents (if any) referred to by the Committee during its investigation; and
   - a chronology of events such as interviews, continuances (with the reason(s) why), and the receipt and distribution of documents.

2. The report of Investigation shall be comprehensive and shall contain all relevant facts and topics discovered by the Ethics Committee, notwithstanding the extent to which, if at all, such facts or topics were addressed in the allegation.

3. The Report of Investigation shall contain a recommendation(s) to the Board regarding whether or not a basis for consideration of Ethics violation exists. In addition, the Report shall include a recommended sanction in instances where a basis for consideration does exist.

4. The Report of Investigation shall be sent (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) to the President within the time limits specified above and shall be signed by the Chair. At the same time, a copy of the Report shall be sent to the Accused (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested). Copies of the Report shall be sent by the President to all Officers of the Board.

III. POWERS AND PROCEDURES OF ENFORCEMENT OF ETHICS BY THE BOARD

A. Board Consideration of the Report of Investigation:

1. Within the first 30-day period following receipt of the Report of Investigation, questions may be directed by Officers of the Board through the President to the Chair. Written responses to such questions shall appear as addenda to the Report. A copy of these addenda shall be sent (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) by the Chair to the Accused and to each Officer of the Board at the closure of the 30-day period. Within 90 days following receipt of the Report of Investigation, the President shall convene the Board in executive session (closed to non-Officers of the Board except for members of the Ethics Committee) in order to consider the Report and any addenda. For the
purposes of this paragraph, the President may convene the Board by poll or in such manner as he or she deems appropriate.

2. After consideration of the Report, the Board in its sole discretion by a vote of its Officers of the Board shall determine the action to be taken.

2.1. If the Board, by a two-thirds vote, determines that a basis for consideration of ethics violation exists, it shall issue a "Notice of Ethics Hearing," signed by the President, to the Accused (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested). The Notice of Ethics Hearing shall specify the time, date, and place of the hearing, shall include a copy of Sections III.A.3 and III.B of the Code of Ethics Enforcement Policy, and shall itemize the acts or omissions for which the Accused is to be held to account. In addition, it shall issue a Notice of Ethics Hearing to the membership, which Notice shall specify only the time, date, and place of the hearing. The date of the Ethics Hearing shall not be sooner than 60 days nor later than 120 days from the date of the Notice. However, the President may grant such earlier or later date as deemed appropriate upon written request from the Accused (provided that no later date shall be greater than 180 days from the date of the Notice) or such later date as deemed appropriate upon written notice from the Chair (provided that no later date shall be greater than 180 days from the date of the Notice).

2.2. If a two-thirds vote is not obtained, the Board thus determines that a basis for consideration of ethics violation does not exist. It shall then issue a "Notice of Dismissal of the Allegation" signed by the President, to the Accused, and further consideration of the allegations shall terminate forthwith. The President shall send (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) a copy of the Notice of Dismissal of the Allegation to the Complainant. There shall be no right of appeal or of reconsideration by any person whomsoever from this decision.

2.3. The Board can also elect to take a course of action other than that described above in III.A.2.1 and III.A.2.2. The Board may determine by a two-thirds vote that the incident(s) reported on has (have) been dealt with in a constructive manner and, as such, causes it not to require the application of additional procedures of the Enforcement of the Code of Ethics. It shall then issue a "Notice of Procedural Termination of the Allegation" signed by the President, to the Accused and further consideration of the Allegations shall terminate forthwith. The President shall send (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) a copy of the Notice of Procedural Termination of the Allegation to the Complainant. There shall be no right of appeal or of reconsideration by any person whomsoever from this decision.

3. At any time at least fourteen days prior to the date of the hearing, upon written request to the Chair, the Accused shall be supplied with copies of the names (and last known e-mail addresses) of all persons contacted by the Ethics Committee during the investigation, copies of all documents (including affidavits or declarations) obtained by the Ethics Committee during the investigation, and a specification of the last known location of all other documents or things examined by the Ethics Committee during its investigation that have not already been provided as attachments to the Report of Investigation. Such written request shall be honored by the Chair within ten days from the receipt thereof. Requests for discovery shall be honored, in a spirit of openness and fairness, whenever practical to do so.
B. Ethics Hearing:

1. The Ethics Hearing shall be conducted by no less than two-thirds of the entire membership of the Board exclusive of the President who presides over the hearing.

2. Members of the IABPA may attend the hearing except as otherwise stated herein. Such attendance shall be that of an observer, not a participant.

3. The hearing shall be conducted in accordance with the following rules:

   3.1. The Accused may be represented by one counsel of his or her choice. Questioning of witnesses and making statements to the Board may be done by either the Accused or the Accused’s counsel, but not by both. Unless the President specifically so allows, the designation of the Accused or counsel shall be made by the Accused at the beginning of the hearing upon request from the President. Requests made by the Accused during the hearing to change attorneys or questioning rights shall be considered by the President.

   3.2. The evidence developed in the Report of Investigation shall be presented by such person (hereafter "Moderator") who is designated to do so by the President: a member of the Ethics Committee shall be so designated and the President is encouraged, but not required, to so designate the person who signed the Report of Investigation.

   3.3. The Accused may summon and present evidence in his or her own behalf after the Moderator has concluded the presentation of evidence. Upon the written request given in the same manner specified in "Discovery" (Section III.A.3), the Moderator shall cooperate with the Accused in arranging for the appearance at the hearing of any witness contacted by the Ethics Committee when it is practical to do so and when it creates no extreme hardship on any other person.

   3.4. Evidence considered by the Board must be relevant; it may be real, testimonial, or documentary. Written declarations, if given under penalty of perjury, may be received and considered with the same force and effect as if given orally under oath at the hearing. Oral testimony shall be given under oath. Real and documentary evidence shall be required to be authenticated by the person who presents such evidence.

   3.5. The admissibility of evidence shall be determined solely by the President. The President may, in his or her discretion, exclude relevant evidence or prevent questioning which is cumulative, unduly prejudicial to the Accused, misleading, or dilatory. It shall be proper for the Moderator to advocate the propriety of the investigation by the Ethics Committee.

   3.6. Both the Moderator and the Accused shall have the right to examine and cross-examine the evidence of the other, subject to the restrictions stated herein. The Moderator may call the Accused as a witness, provided that the Accused has not already testified orally in his or her own behalf and further provided that the Accused has concluded his or her presentation, if any, of evidence pursuant to Section III.B.3.3 herein.

   3.7. Both the Moderator and the Accused, in that order, shall have the right to present a summation, or closing argument, for a reasonable length of time which shall be generally specified, in advance, by the President. The Moderator shall have a right to present a rebuttal argument for a length of time no greater than one-half of the time of the Accused’s summation.
3.8. The President shall exclusively determine the format and conduct of the hearing, including, but not limited to, number and duration of recesses, presence of spectators and witnesses, decorum, times of adjournment, marking of the exhibits, and ruling on objections. However, the President shall not adjourn the proceedings during normal business hours except to accommodate Sunday and legal holidays or for such period as that to which both the Moderator and the Accused may agree.

4. The Ethics Hearing shall be divided into an "Accusation Phase" and a "Sanction Phase."

4.1. During the Accusation Phase, the Board shall consider all properly admitted evidence and, having so considered, shall determine if one or more ethical violations have been demonstrated by clear and convincing proof. It shall determine each such ethical violation by a number of votes no less than two-thirds of all the Officers of the Board, exclusive of the President, who shall not be empowered to vote.

4.2. If there is no such determination of ethical violation, the Hearing shall be terminated by order of the President and the President shall issue and sign a "Notice of Exoneration" to the Accused. Further consideration of the allegation and investigation thereof shall cease forthwith. Within fourteen days, the President shall send (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) a copy of the Notice of Exoneration to the Complainant. While the Notice of Exoneration need not be in any particular format, it must contain a complete and detailed description of the allegation. There shall be no right of appeal or of reconsideration by any person whatsoever from this decision.

4.3. If the Board does determine that one or more ethical violations have been committed by the Accused, then it shall forthwith convene the Sanction Phase. During the Sanction Phase, the Board may also consider such additional evidence as the Moderator or the Accused may wish to present, subject to the hearing rules stated above, concerning the Accused’s prior acts, professional background, character, or mitigating circumstances, which may be instructive to the Board in determining any appropriate sanction. The Moderator is discouraged from doing so unless such evidence is first offered by the Accused. Upon request of the Accused, all members who are present at the hearing pursuant to Section III.B.2 shall be excluded during the Sanction Phase.

5. Determination and Notification of Sanctions:

5.1. The Board will determine, based on the ethical violation proven and other evidence as presented pursuant to Section III.B.4.3, which of the following sanctions shall be imposed:
   5.1.1. Letter of Reprimand.
   5.1.2. Suspension of the rights and privileges of membership in the Association for a period of time determined by the Board.
   5.1.3. Removal of Distinguished Membership status.
   5.1.4. Expulsion from the Association.

5.2. The sanction shall be determined by two-thirds of all Officers of the Board. But, if two-thirds of the Officers of the Board do not approve sanction 5.1.2 or 5.1.3, 5.1.1 shall be imposed.
5.3. Within ten days following the determination of sanctions, the Board shall send (by hardcopy delivery with return receipt requested or by e-mail with delivery receipt requested) a "Finding of Ethical Violation and Specification of Sanctions," signed by the President, to the Accused. Said Finding shall state the ethical violation(s) determined and shall specify all terms and conditions imposed on the Accused by the sanctions. It shall also state, verbatim, the provisions of Section IV.A.1 and 2 pertaining to the Accused’s right of appeal from the Finding.

5.4. The Board’s finding(s) of ethical violation and determination of sanctions shall be final; there shall be no right of appeal or of reconsideration, except as stated in Sections IV.A.1 and 2.

6. Sanctions will go into effect after 35 days if no appeal is filed. If an appeal is filed, the sanctions shall be stayed until the disposition of the appeal hearing.

C. Notification of Results to Membership:

Following the disposition of the case by the Board or the membership (in the event of an appeal), a summary of the facts and sanctions, if any, in each case will be prepared by the Board and distributed to the membership. Specific names, places, and like identifying information will not be included, except at the written request of the Accused, in the summary of a case where either the Board determines that an ethics violation has not occurred or where the matter is Procedurally Terminated. But this information shall be so included where the Board or membership has determined that an ethics violation has occurred.

IV. Procedures for Appeal and Hearing of Appeal

A. Appeal from Ethics Hearing:

1. Within 35 days from the date of the Finding, the Accused may send to the President, a written, signed request for appeal from all, or any part of, the Finding. The request for appeal need not be in any particular form, but must specify exactly from what findings or sanctions the appeal is made, if it is not made from all findings or sanctions; absent such specificity, the appeal shall be treated as an appeal from all findings or sanctions.

2. No person other than the Accused shall have a right of appeal from, and no person shall have a right of request for reconsideration of, the Finding. The Accused shall have no right of appeal if, at the time of requesting said appeal, he or she is not a member of, or has resigned from, the IABPA.

3. The appeal shall be heard by the voting membership of the IABPA. As used herein, "voting membership" shall include only those who are entitled to vote in an election of Officers of the Board of the IABPA.

4. Within 30 days following receipt of the Accused’s request for appeal, the President shall specify the time, date, and place for the hearing of the appeal. The appeal shall be heard no later than the next regularly scheduled business meeting of the general membership. However, if the President received the Accused’s notice of appeal within 60 days prior to said next regularly scheduled business meeting, the President may, in his or her sole discretion, postpone the hearing of the appeal until the next regularly scheduled business meeting thereafter.
B. The Hearing of the Appeal:

1. The President shall appoint a Hearing Officer, who shall not be an Officer of the Board, the Moderator, the Chair of the Ethics Committee, or the Investigating Officer. The Hearing Officer shall preside over the hearing of the appeal.

2. The hearing of the appeal shall be governed by the same rules as specified in Section III.B.3 above, except that “Hearing Officer” shall be substituted therein for “President.”

3. Each voting member present shall be provided with a copy of the Finding, except that any violation or sanction therein from which appeal is not made shall be deleted. Each member shall be provided with a list of all allegations which are the subject of the appeal.

4. Each voting member present shall be provided with a copy of the Report of Investigation.

5. Questions from the voting membership shall be permitted and are to be submitted in writing to and specifically authorized by the Hearing Officer.

6. Each voting member present shall have one vote.

7. After all evidence has been received, the Hearing Officer shall declare the appeal closed.

8. Following the closing of the appeal and as to each allegation specified pursuant to Section IV.B.3, each voting member shall, by written vote, answer the following: "Did the Accused violate the Code of Ethics as alleged in Allegation No._______? Yes_____ No_____." If the "Yes" votes exceed two-thirds of the votes cast thereon, the Hearing Officer shall announce that, "An Ethical Violation has been proved as to Allegation No._____." If not, the Hearing Officer shall announce that “An Ethical Violation has not been proven as to Allegation No._____.” and further consideration thereof shall cease, except as stated in Section IV.B.9.

9. Immediately following the announcement of the Hearing Officer and prior to the commencement of the provisions of Section IV.B.10, any voting member may request a recount, which must be honored. A second recount will be made only if there is a disparity between the original count and the recount.

10. Following the Finding of any or all allegations and following the completion of procedures authorized pursuant to Section IV.B.9, if applicable, the Hearing Officer shall announce the sanctions which were determined by the Board. Thereafter, each voting member shall, by written vote, answer the following: "Shall the sanctions imposed upon the Accused by the Board of Directors of the IABPA be sustained? Yes_____ No_____."

10.1. If the "Yes" votes exceed two-thirds of the votes cast thereon, the sanctions shall become final and the Hearing Officer shall issue and sign a "Finding of Ethical Violation and Specification of Sanctions" in the manner described in Section III.B.5.3, except that it shall contain no reference to Sections IV.A.1 and 2.

10.2. If the "Yes" votes do not exceed two-thirds, the Hearing Officer shall request and compile nominations of sanctions from the general membership as they are defined in Section III.B.5.1. If there are more than two nominations, each such nomination shall be thereafter voted upon by show of hands as counted by the Hearing Officer or such other single person as he or she may designate. If there are only two nominations or following
the determination of the two nominations which receive the greatest number of hands shown in the manner specified herein, said two nominations shall be identified to the general membership who shall then vote between the two of them in writing. Of the two, the one receiving more than two-thirds of the votes cast shall become final and the Hearing Officer and the Board shall treat it thereafter in the manner specified in Section IV.B.10.1. In no case shall the sanction be less than a "Letter of Reprimand" written by the President.

10.3. Any vote conducted pursuant to this Section IV.B.10 shall be subject to the provisions of Section IV.B.9.

11. The findings and sanctions, if any, by the general membership shall be final and shall not be subject to reconsideration.
IABPA AWARDS AND RECOGNITION POLICY

I. PURPOSE

The IABPA recognizes that certain actions or activities taken by members of the organization, whether planned or in response to emergency circumstances, should be recognized and rewarded.

II. POLICY

It is the policy of the IABPA to publicly recognize members for their actions that involve exceptional performance of their duties, or involve actions above and beyond.

III. TYPES OF AWARDS AND DESCRIPTIONS

A. Distinguished Member: See Bylaws, II.2.D. Classes of Membership.

B. Good of the Association: These awards recognize individuals who are deemed to have made outstanding contributions to the IABPA.

C. Outstanding Achievement Award: Awarded in appreciation for and recognition of continued dedication and loyalty to the forensic science profession and for consistent high quality performance as a professional. Examples of exemplary performances include but are not limited to: demonstrated loyalty and dedication to forensic science; consistently conducted investigations and prepared reports that are exceptional in quality; demonstrated willingness and ability to set an outstanding professional example for peers; participated in professional and community service organizations resulting in favorable recognition to forensic science; demonstrated willingness and ability to provide constructive suggestions for improvements in the field.

D. Letter of Commendation: A letter issued to a member for an act or achievement which brings credit to them or the IABPA and which involves performance above and beyond that which would normally be expected. This act or achievement may be a specific instance or an outstanding performance of general duties over an extended period of time.

IV. PROCEDURE

A. The Awards Review Committee shall be established pursuant to Bylaws Article V, Section E.

B. Awards Review Committee Duties: The Committee shall meet (by any practical means) to review and act upon any recommendation received by the President. The Committee shall review all reports and documentation relative to the nominee’s performance during the incident being evaluated and may interview any witnesses or the nominee in person. Following review, Committee members will determine whether the performance of the nominee substantially met the criteria established for the award. In exercising its judgment, the Committee may decide to recommend a higher award than that recommended by the original nomination. In instances where the recommendation fails to meet the required criteria for a specific award, the Committee can recommend denial of the award or recommend an award more appropriate to the circumstances. The Committee will be responsible for coordinating the awards program. These responsibilities shall include, but are not limited to, planning and scheduling award presentation ceremonies, obtaining the appropriate
awards and certificates, and coordinating the involvement of nominees, citizens, and the news media in award presentation ceremonies.

C. An “IABPA Award Recommendation Form” may be completed by anyone who perceives the nominee to be worthy of recognition by their peers. This recommendation must be submitted to the President before July 31 of that year. The President will courtesy-copy the recommendation to the VP of the region of the nominee. Nominations from members not in good standing will not be accepted.

The Awards Review Committee will receive the recommendation form from the president within 10 days of his/her receipt. The Committee then determines if nominations meet the criteria for award categories. After reviewing the facts, the Committee submits one of the following recommendations to the President within 30 days of receiving it:

- Nomination Confirmed – The belief the act took place and the person nominated should be presented the award within the appropriate category.
- Nomination Amended – The belief the act took place but facts contained in the nomination lead the Committee to recommend an award of greater/lesser degree than originally specified.
- Inconclusive – Facts provided lack corroboration to merit an award, and more investigation into the act may be required.
- Unfounded – Facts, statements, etc., conclusively indicate the act as alleged did not take place in the manner indicated and the nomination is, therefore, unqualified for award justification.

V. PRESENTATION OF AWARDS - CEREMONY
  A. The President or his/her designee will present all awards.
  B. The next of kin or an appointee is entitled to receive any award earned by a deceased member.

VI. RECORDS
  A. Copies of awards will be maintained as follows:
     1. Original to recipient.
     2. Copy to Historian
     3. Copy to Editor
     4. Copy to Secretary
TRAINING CONFERENCE
October 4-7, 2011
Milwaukee, Wisconsin

IMPORTANT DEADLINES:

IABPA Conference Registration: $350.00
IABPA Late Registration $375.00—After August 30, 2011
Hotel Registration CUT-OFF DATE IS: August 30, 2011
Hotel room rates after August 30th increase by $50 per day

PLEASE CHECK THE IABPA WEB SITE FOR CONSTANT UPDATES.

Registration is Open

Welcome to the 2011 IABPA Conference! The Conference will be held at the beautiful Hyatt Regency in Milwaukee, Wisconsin from October 3 - 7, 2011. You can book your reservation several ways by the link provided or by calling the hotel's reservation lines. Be sure to book your rooms early; we have a block of rooms set aside, and when booking reservations by phone, please use the reservation code IABPA.

Conference Site Hotel Information:

Hyatt Regency Milwaukee Tel: 800-233-1234
333 West Kilbourn Avenue You must specify that you are attending the
Milwaukee, WI, USA 53203 International Association of Bloodstain Pattern Analysts
Phone: 1-414-276-1234 Conference to be guaranteed the discounted rate.
Fax: 1-414-276-6338
www.milwaukeehyatt.com Check-in 3:00pm Check-out: 12:00pm

The 2011 Conference Committee has secured a room rate of only $95* per night plus tax for this Four Star Hotel! Your credit card will not be charged upon making a reservation. You will be charged upon check-in (3pm), or if you fail to cancel your room in a timely manner.

Note: A credit card must be presented upon check-in to enable you to charge to their guest room. If you do not present a credit card, you will not be permitted to charge to your room.

Note: * The prevailing government rate is $95 right now. We will not know the official rate until the per diem rate comes out for 2011. Reservations will be booked at the current government rate and then changed either up or down when the new per diem rate is announced in September. The rate goes into effect October 1st.
Hotel Cancellation Policy: Individual cancellations must be received at least 72 hours prior to arrival or the individual guest will be subject to charges for the first night’s room and tax charge.

The Hyatt Regency facility is a full service, first class Resort and Spa that offers outstanding recreational opportunities see the website for specifics.

Parking:

Hyatt Regency Milwaukee Valet parking at the rate of $15 per night (Including in/out privileges) is available at the Hyatt Regency Milwaukee. Self-parking is available at the rate of $20 per night.

Transportation: is the responsibility of the attendee.

**Milwaukee County’s International Airport**
5300 South Howell Avenue
Milwaukee Wisconsin USA 53207
Ph: 414-747-5300
E-mail: info@mitchelairport.com

**TO/FROM the Milwaukee airport:**

**Airport Connection** cost $13 per person each way or $24 round-trip. Reservations only! Please call 414/769-2451 or 1-800-236-5450 to make reservations. Contact the concierge or bell staff for transportation from our Milwaukee, Wisconsin airport hotel to the airport.

**Taxi:** Approximately $25.00 Trip distance: 9.56 miles Time: 16 minutes.

**Speaker Information—THERE ARE STILL A FEW OPENINGS FOR SPEAKERS—**

All 2011 IABPA Conference speakers should check in at the speaker registration desk on the second floor during conference registration hours to pick up their name badges and conference materials.

Monday, October 3: 3:00pm - 7:00pm
Tuesday, October 4: 4:7:00am - 4:30 pm
Wednesday, October 5: 5:7:00am - 4:30pm
Thursday, October 6: 6:7:00am - 4:30 pm
Friday, October 7: 7:7:00am - Noon

Lecture sessions and interactive workshops - Learn the latest from experts in the field - Hear from experienced keynote speakers - Participate in interactive Wednesday night Case Study discussions - Network and learn from other people in your field

**Meals:** A continental breakfast and an afternoon snack will be provided daily. If additional meals are scheduled (i.e. Luncheon) they will be posted here at a later date. Please check back for additional information. Numerous restaurants are within walking distance of the Hyatt Regency Milwaukee

**For more information, please contact:**
Todd Thorne, President
1000 55th Street
Kenosha, WI USA 53140
1-262-605-5246
E-mail: tat232@kenoshapolicette.com
CONFERENCE REGISTRATION FORM

The conference will be a blend of case and research presentations to the general session and scheduled workshops. The conference schedule and workshop information will be published and posted when available. Workshop pre-registration will be available when the conference schedule is published on the IABPA website.

Please complete and e-mail this form to Todd A. Thorne at: tat323@kenoshapolic... (Please type “IABPA” in the subject line), or

Submit by Fax to: 262.605.5212, or
Submit by mail with payment (Check or Purchase Order):
Kenosha Police Dept.-Forensic Unit • Attn: Todd A. Thorne – IABPA
1000-55 Street Kenosha, WI 53140 USA

Credit card payment instructions below.

Last Name: ____________________________
First Name: ____________________________

IABPA Member Yes ☐ No ☐
Member #: ____________________________

Name as you would like it to appear on the attendance certificate:

Agency: ____________________________
Address: 
City: 
State/Province: 
Postal Code: 
Country: 
Telephone: 
E-mail: 

Will guest(s) be attending the Thursday conference dinner?
Yes ☐  No  ☐

Names of guest(s) attending banquet:

Arrival Date and Time if known_______________________________

*Additional banquet cost is $55 USD per guest (please include with registration).

REGISTRATION

☐ $350

☐ $375 (Payment received after August 30, 2011)

☐ $400 (Payment received in October, 2010 or on site)

☐ Credit Card Payment
Contact the IABPA Treasurer, Norman Reeves: norman@bloody1.com or Fax # 520.760.5590

On-site registration begins at 6:00 PM Monday, October 3, 2011.
Refund requests must be made before September 1, 2010.

For questions regarding conference registration contact:
Todd A. Thorne, City of Kenosha Police Dept.-Forensic Unit tat323@kenoshapolicet.com or Telephone 262 605-5246
## IABPA 2011 Conference Milwaukee, Wisconsin
### Tentative Schedule

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<th>Date</th>
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Workshops OR Case and Technical Presentations 1:00 pm
Break / Vendors 2:30 pm
Adjourned 5:00 pm

Dinner Banquet 7:00 pm – 11:00 pm

Friday, October 7th
Morning Welcome: Logistics 7:45 am
Case and Technical Presentations 8:00 am
SWGSTAIN/NAS Update 11:00 am

IABPA 2011 Conference concludes 12:00 pm

Note: Conference attendees are responsible for their own dinners, excluding the dinner banquet on Thursday, October 6, 2011
Abstracts of Recent BPA Related Articles in the Scientific Literature


Abstract:

The ballistically ill-posed projectile problem of finding source height from spattered droplets of viscous fluid is a longstanding obstacle to accident reconstruction and crime scene analysis. It is widely known how to infer the impact angle of droplets on a surface from the elongation of their impact profiles. Due to missing velocity information, however, finding the height of origin from impact position and angle of individual drops is not possible. Turning to aggregate statistics of the spatter and basic equations of projectile motion familiar to physics students, we introduce a reciprocal correlation plot that is effective when the polar angle of launch is concentrated in a narrow range. The horizontal plot coordinate is twice the reciprocal of impact distance, and the vertical coordinate depends upon the orientation of the spattered surface; for a level surface, this is the tangent of the impact angle. In all cases one infers source height as the slope of the data points in the reciprocal correlation plot. Such plots are easily constructed in a spreadsheet. When distribution of launch angle is not narrow, failure of the method is evident in the lack of linear correlation, which we quantify in terms of Pearson's correlation coefficient. We perform a number of experimental trials, as well as numerous simulations showing that the height estimate is surprisingly insensitive to aerodynamic drag. Besides its possible relevance for crime investigation, correlation-plot analysis of spatter may find scientific application to volcanism and other topics. However, the procedure is most immediately attractive as an activity for undergraduate students in science and engineering, representing a non-trivial use of well-known equations of projectile motion in the exciting context of crime scene analysis.


Abstract:

For crime scene investigation in cases of homicide, the pattern of bloodstains at the incident site is of critical importance. The morphology of the bloodstain patterns serves to determine the approximate blood source locations, the minimum number of blows and the positioning of the victim.

In the present work, the benefits of the three-dimensional bloodstain pattern analysis, including the ballistic approximation of the trajectories of the blood drops will be demonstrated using two illustrative cases.

The crime scenes were documented in 3D, using the non-contact methods, digital photogrammetry, tachymetry and laser scanning. Accurate, true-to-scale 3D models of the crime scenes including the bloodstain patterns and the traces were created. For the determinations of the areas of origins, the trajectories of up to 200 well-defined bloodstains were analysed in CAD and photogrammetry software. The ballistic determination of the trajectories was performed using ballistics software.

The advantages of this method are the short preparation time on site, the non-contact measurement of the bloodstains and the high accuracy of the bloodstain analysis. It should be expected that this method delivers accurate results regarding the number and position of the areas of origin of bloodstains, in particular, the vertical component is determined more precisely than using conventional methods. In both cases, relevant forensic conclusions regarding the course of events were enabled by the ballistic bloodstain pattern analysis.

The drying of a drop of human blood exhibits coupled physical mechanisms, such as Marangoni flow, evaporation and wettability. The final stage of a whole blood drop evaporation reveals regular patterns with a good reproducibility for a healthy person. Other experiments on anaemic and hyperlipidaemic people were performed and different patterns were revealed. The flow motion inside the blood drop is observed and analyzed with the use of a digital camera; the influence of the red cells motion is revealed at the drop’s periphery as well as its consequences on the final stages of drying. The mechanisms that lead to the final pattern of the dried blood drops are presented and explained on the basis of fluid mechanics in conjunction with the principles of hematology. The blood drop evaporation process is evidenced to be driven only by Marangoni flow. The same axisymmetric pattern formation is observed and can be forecast for different blood drop diameters. The evaporation mass flux can be predicted with a good agreement, assuming only the knowledge of the colloids mass concentration.


Abstract:

It is common practice when calculating areas of origin from impact spatter to use stains from both sides of the pattern – stains to the left and to the right of the blood source. Impact spatter at crime scenes, however, often provides the analyst with bloodstain patterns that are not as pristine as those created in a controlled environment. One situation that might arise is impact spatter consisting of stains from only one side of the pattern because of removal of an object after the impact, such as a door or a person, or because the stains from one side are not on a planar surface. This study looks at a method of calculating the area of origin using stains from only one side of the pattern and shows that these partial patterns may still provide usable calculations to determine the area of origin.


Abstract:

We investigated Raman scattering from human blood as a function of parameters that are relevant for forensic field analysis, such as substrate, sample dilution, individual from which the sample originates, and age of the sample. Peaks characteristic of blood components and in particular the hemoglobin peaks were routinely detected when blood was deposited on substrates that are not strongly luminescent, such as plastic, metal utensils and dry wall. Raman scattering from blood proved quite sensitive and blood samples with a dilution up to 1:250 could be measured for an excitation power of \(\sim 2\) mW measured at the sample plane. The sensitivity of Raman scattering to diluted blood allowed measurement using blood reconstituted from fabric substrates, thereby alleviating issues related to luminescence and scattering from the substrate. The dependence of Raman scattering on sample age and individual was also investigated. We found that the relative intensities of scattering peaks depended on sample age and history. For example, the relative intensity of oxyhemoglobin peaks decreases after blood has dried. Fresh blood drawn directly from a donor without intermediate storage exhibits also scattering peaks at 1155 and 1511 cm\(^{-1}\) which disappear after drying. The origin of these peaks is under investigation. We noticed, however, that they were not found in blood that had been stored for longer than one week in EDTA containers before analysis, thus requiring the use of fresh blood for future studies and validation purposes. The relative intensity of scattering peaks was also found to be somewhat dependent on the donor and, for a same donor, on the day on which blood was drawn.

Abstract:

The choice or reagents for presumptive tests for blood and subsequent extraction methodologies, can significantly affect both the quality and quantity of purified DNA. Blood samples directly tested with Hemastix® yielded <1% of the DNA recovered from untested samples when purified using the Quigen BioRobot® EZ1 and EZ1® DNA Investigator kit. Full short tandem repeat profiles were obtained from both tested and untested samples, suggesting that the Hemastix® reagent(s) affect DNA binding, rather than produce DNA damage. The Hemastix® inhibition of DNA yield could be overcome by the addition of MTL buffer to the sample prior to extraction. Laboratories may wish to modify current procedures for extracting blood samples, utilize other extraction/purification methodologies, or inform their submitting agencies to avoid direct exposure of questioned bloodstains to direct exposure to Hemastix® reagents.

Organizational Notices

Moving Soon?

All changes of mailing address need to be supplied to our Secretary Norman Reeves. Each quarter Norman forwards completed address labels for those who are members. Do not send change of address information to the Bloodstain Digest Editor. E-mail your new address to Norman Reeves at:

norman@bloody1.com
Norman Reeves
I.A.B.P.A.
12139 E. Makohoh Trail
Tucson, Arizona 85749-8179
Fax: 520-760-5590

Membership Applications / Request for Promotion

Applications for membership as well as for promotion are available on the IABPA website:
IABPA Website: http://www.iabpa.org

The fees for application of membership and yearly dues are $40.00 US each. If you have not received a dues invoice for 2011 please contact Norman Reeves. Apparently, non US credit cards are charging a fee above and beyond the $ 40.00 membership/application fee. Your credit card is charged only $40.00 US by the IABPA. Any additional fees are imposed by the credit card companies.

IABPA now accepts the following credit cards:

Discover MasterCard
American Express Visa
Training Opportunities

June 13-17, 2011
Visualization of Latent Bloodstains Course
Elmira College
Elmira, New York
Instructors: Paul Erwin Kish and Martin Eversdijk
Contact: Paul Erwin Kish
Tel: 607-962-8092
E-mail: paul@paulkish.com
www.paulkish.com

June 13-17, 2011
Basic Bloodstain Pattern Program
Bloodstain Evidence Institute
Contact: Herbert Leon MacDonell, Director
Post Office Box 1111
Corning, New York 14830
Tel: 607962-6581
E-mail: forensiclab@stny.rr.com

September 19-23, 2011
Basic Bloodstain Pattern Program
Bloodstain Evidence Institute
Contact: Herbert Leon MacDonell, Director
Post Office Box 1111
Corning, New York 14830
Tel: 607962-6581
E-mail: forensiclab@stny.rr.com

August 29 – September 2, 2011
Advanced Bloodstain Pattern Analysis Course
Usingen, Germany
(English)
For further information contact:
Dr. Silke Brodbeck, MD
Blutspureninstitut
Obergasse 20
61250 Usingen
Germany
Tel: +49-170-84 84 248
Fax: +49-6081-14879
E-mail: info@blutspureninstitut.com
September 19-23, 2011
Advanced Bloodstain Pattern Analysis Course
Boone County Sheriff’s Department
Burlington, Kentucky

Instructors: Paul E. Kish
Stuart H. James

Contact: Paul E. Kish
Forensic Consultant and Associates
Tel: 607-962-8092
E-mail: paul@paulkish.com
www.paulkish.com

September 19-23, 2011
Advanced Bloodstain Pattern Analysis Course
Usingen, Germany
(German)

For further information contact:
Dr. Silke Brodbeck, MD
Blutspureninstitut
Obergasse 20
61250 Usingen
Germany
Tel: +49-170-84 84 248
Fax: +49-6081-14879
E-mail: info@blutspureninstitut.com

October 31-November 4, 2011
Basic Bloodstain Pattern Analysis Course
Basiskurs Blutspurenmusteranalyse
Usingen, Germany
(German)

For further information contact:
Dr. Silke Brodbeck, MD
Blutspureninstitut
Obergasse 20
61250 Usingen
Germany
Tel: +49-170-84 84 248
Fax: +49-6081-14879
E-mail: info@blutspureninstitut.com
December 5-9, 2011
Basic Bloodstain Pattern Analysis Workshop

Presented by the Specialized Training Unit at the Miami-Dade Safety Training Institute, Doral, Florida

Contact: Toby L. Wolson, M.S., F-ABC
Miami-Dade Police Department
Forensic Services Bureau
9105 N.W. 25th Street
Doral, Florida 33172
Voice: 305-471-3041
Fax: 305-471-2052
E-mail: Twolson@mdpd.com

March 5-9, 2012
Basic Bloodstain Pattern Analysis Workshop

Presented by the Specialized Training Unit at the Miami-Dade Safety Training Institute, Doral, Florida

Contact: Toby L. Wolson, M.S., F-ABC
Miami-Dade Police Department
Forensic Services Bureau
9105 N.W. 25th Street
Doral, Florida 33172
Voice: 305-471-3041
Fax: 305-471-2052
E-mail: Twolson@mdpd.com

December 3-7, 2012
Basic Bloodstain Pattern Analysis Workshop

Presented by the Specialized Training Unit at the Miami-Dade Safety Training Institute, Doral, Florida

Contact: Toby L. Wolson, M.S., F-ABC
Miami-Dade Police Department
Forensic Services Bureau
9105 N.W. 25th Street
Doral, Florida 33172
Voice: 305-471-3041
Fax: 305-471-2052
E-mail: Twolson@mdpd.com

Articles and training announcements for the September 2011 issue of the Journal of Bloodstain Pattern Analysis must be received before August 15th, 2011
Editor’s Corner

The changing of the title of our publication from the IABPA News to the Journal of Bloodstain Pattern Analysis has been a positive step towards a representative publication in the forensic community. It has relinquished the common reference to our publication as “the Newsletter”. As you see from the content, IAPBA committee reports, conference updates and training opportunities will still be featured as important information for our membership. The Abstracts of Recent BPA Related Articles in the Scientific Literature section of the Journal in this issue contains abstracts of six articles from other scientific journals. There is a single article published in this issue of our Journal. I would like to see a reversal of this trend and have more peer-reviewed BPA articles published in our Journal. That is the only way that the Journal will develop in the future as the Official Publication of the International Association of Bloodstain Pattern Analysts. Please consider sending in research articles, case studies or images of interesting bloodstain patterns. Also, if you are planning on presenting at the 2011 IABPA Conference in Milwaukee, Wisconsin either in the main program or at the “Bring your own case session” I invite you to send in your paper for peer review and possible publication in the Journal.

As Historian, I am in the process of collecting older as well as more recent images of prior IABPA Conferences. I am in the process of searching through the archived issues of the IABPA NEWS for additional documentation of our conferences and other notable events that have occurred over the years. There has been some thought given to the eventual preparation of a History of Bloodstain Pattern Analysis publication. If members have photographs that they would like to share for this purpose, please send them to me.

MEMBERS ARE ASKED TO PLEASE SEND THEIR E-MAIL ADDRESS TO THE VICE-PRESIDENT OF THEIR RESPECTIVE REGION.

Stuart H. James
Editor
jamesforen@aol.com
Past Presidents of the IABPA

V. Thomas Bevel1983-1984
Charles Edel1985-1987
Warren R. Darby1988
Rod D. Englert1989-1990
Edward Podworny1991-1992
Tom J. Griffin1993-1994
Toby L. Wolson, M.S.1995-1996
Daniel V. Christman1997-1998
Phyllis T. Rollan1999-2000
Daniel Rahn2001-2002
Bill Basso2002-2006
LeeAnn Singley2007-2008

Publication Committee
Associate Editors

Barton P. Epstein
Carolyn Gannett
Paul E. Kish
Daniel Mabel
Jon J. Nordby
Joseph Slemko
Robert P. Spalding
T. Paulette Sutton
Todd A. Thorne
Appendix
INTERNATIONAL ASSOCIATION OF
BLOODSTAIN PATTERN ANALYSTS

BYLAWS DRAFT
As Amended October 9, 2008; June 1, 2011

PREAMBLE

The objectives of the International Association of Bloodstain Pattern Analysts are to promote education and encourage research in the discipline of bloodstain pattern analysis. The Association shall encourage the study, improve the practice, elevate the standards, and advance the cause of this discipline by promoting the standardization of bloodstain pattern analysis, training, and reporting.

The Association is organized exclusively for educational, scientific, and charitable purposes, including, for such purposes, the making of distributions to organizations that qualify as exempt under Section 501(c)(3) of the Internal Revenue Code, or under a corresponding section of any future federal tax code.

The purpose of these Bylaws is to provide rules for conducting the business of the International Association of Bloodstain Pattern Analysts.

ARTICLE I: Name and Organization

The name of this association is the "International Association of Bloodstain Pattern Analysts." Its acronym is "IABPA" and will hereafter be referred to in this document as "the Association." The Association is incorporated as a non-profit corporation in the state of Delaware. The Association's Executive Board shall select the location(s) of the administrative office.

ARTICLE II: Membership

All members shall endorse and adhere to the Association’s Code of Ethics.

A “member in good standing” shall be one whose membership dues are current, who is not under sanction for breach of the Association’s Code of Ethics, and who is not involved in litigation against the Association.

When a request is made by the Ethics Committee, acting in its official fact-finding capacity, it shall be the duty of every member to assist the Committee to the extent that the member is reasonably able to do so.

Section 1: Eligibility

Because the discipline of bloodstain pattern analysis may be competently and ethically practiced by individuals from various professions (including, but not limited to, science, law enforcement, and medicine), membership shall not be restricted based on profession. No individual who has been convicted of an offense that resulted in a term of imprisonment of at least one year may gain membership or retain membership in the Association. Membership in the Association shall be available only to individuals of professional competence, integrity, and good moral character. To be eligible for membership, an individual must endorse and adhere to the Association’s Code of Ethics and must meet at least one of the following requirements:

A. Has an interest in bloodstain pattern analysis.
B. Is actively engaged in the discipline of bloodstain pattern analysis.
C. Has made a notable contribution to the discipline of bloodstain pattern analysis.

Comment [CMG1]: This may require a question on the membership application form regarding felony convictions.

Comment [CMG2]: This means an applicant must sign off (on the membership application form) that he or she endorses and adheres to the code of ethics. This would require the application form to be updated.
D. Has advanced the cause of bloodstain pattern analysis in a notable manner.
E. Is pursuing a career that includes in its purpose the attainment of B, C, or D.

Section 2: Classes of Membership

A. Associate Member
   An Associate Member need not have completed an approved basic bloodstain pattern analysis course. The following apply to an Associate Membership:
   1. Fees and dues: the application fee is the same as for a Provisional Membership. Annual membership dues are the same as for Provisional and Full Memberships.
   2. Privileges:
      a. May attend and participate in discussions at Business Meetings.
      b. May not vote at Business Meetings.
      c. May not hold office in the Association.
      d. May attend and participate in Association meetings and social functions.
      e. May not sponsor an applicant for membership.
      f. May not chair committees, but may serve on committees.

B. Provisional Member
   A Provisional Member must have completed an approved basic bloodstain pattern analysis course and must meet the following requirements:
   1. Has submitted an "Application for Membership" form and a certificate of completion of an approved basic bloodstain pattern analysis course to the Membership Committee Chair at least sixty days before the Business Meeting at which the membership could vote on the applicant.
   2. Has passed a recommendation for acceptance of his or her application pursuant to Article II, Section 3.G7.
   The following apply to a Provisional Membership:
   3. Fees and dues: the application fee is the same as for an Associate Membership. Annual membership dues are the same as for Associate and Full Memberships.
   4. Privileges:
      a. May attend and participate in discussions at Business Meetings.
      b. May not vote at Business Meetings.
      c. May not hold office in the Association.
      d. May attend and participate in Association meetings and social functions.
      e. May not sponsor an applicant for membership.
      f. May not chair committees, but may serve on committees.

C. Full Member
   At the time the revised Bylaws were adopted prior to June of 2001, members of the Association in good standing became Full Members. Thereafter, a Full Member must meet the following requirements:
   1. Has been a Provisional Member for at least one year.
   2. Has submitted a "Request for Promotion" form to the Membership Committee Chair at least sixty days before the Business Meeting at which the membership could vote on the applicant.
   3. Has passed a recommendation for acceptance of his or her application pursuant to Article II, Section 3.G7.
   The following apply to a Full Membership:
   4. Fees and dues: there is no application fee. Annual membership dues are the same as
5. Privileges:
   a. May attend and participate in discussions at Business Meetings.
   b. May vote at Business Meetings.
   c. May hold office in the Association.
   d. May attend and participate in Association meetings and social functions.
   e. May sponsor an applicant for membership.
   f. May chair and serve on committees.

D. Distinguished Member

A Distinguished Member meets the following requirements:

1. Is a member in good standing as defined in Article II.

2-3. Meets at least one of the following criteria:
   a. Has rendered significant service to the discipline of bloodstain pattern analysis.
   b. Has rendered significant service to the Association.
   c. Has achieved special qualifications in the discipline of bloodstain pattern analysis.

2-3. Has been nominated for Distinguished Membership. The nomination must meet the following requirements:
   a. Submitted in writing by a Full or Distinguished Member in good standing.
   b. Delivered to the President or the Membership Committee Chair at least sixty days before the Business Meeting at which the membership could vote on the nominee; the President or Chair shall then forward it to the Membership Committee.
   c. The Membership Committee's recommendation for acceptance of the nomination must be voted on at a Business Meeting. Passage of the recommendation shall be by a majority vote.
   d. Not more than one person may be invited to become a Distinguished Member in a calendar year.

The following apply to a Distinguished Membership:

3. Dues: membership dues and conference fees are waived.

4-5. Privileges:
   a. May attend and participate in discussions at Business Meetings.
   b. May vote at Business Meetings.
   c. May hold office in the Association.
   d. May attend and participate in Association meetings and social functions.
   e. May sponsor an applicant for membership.
   f. May chair and serve on committees.
   g. May hold this membership status for life.

Section 3: Application Process

A. All requests for membership or promotion must be submitted on Association application forms.
   1. Applications must be mailed to the Membership Committee Chair.
   2. An application for Provisional Membership or for promotion to Full Membership must be submitted at least sixty days prior to a Business Meeting in order to be voted on at that meeting.

B. An application for Associate Membership or Provisional Membership may be denied at the discretion of the Membership Committee and the Executive Board with no reason given. Such a denial is final and is not subject to appeal.
C. An application for Associate Membership shall be evaluated and processed by the Membership Committee Chair.

1. Evaluation criteria shall be:
   a. The application must be complete.
   b. The applicant must meet the requirements stated in Article II, Section 1.
   c. The Membership Committee Chair shall re-classify the application as one for Provisional Membership, to be voted on at a Business Meeting, if the applicant submits proof to the Chair, within a year of the application's date of submission, of having attended an approved basic bloodstain pattern analysis course.

D. The Membership Committee Chair shall forward a copy of an application for Provisional Membership or a request for promotion to Full Membership to a Vice President, preferably one presiding over the region in which the applicant resides. If that Vice President sponsored the applicant or trained the applicant in an approved basic bloodstain pattern analysis course, the Chair shall choose another Vice President to whom the Chair shall send the form instead.

E. The Vice President shall do the following within 60 days of receipt of the application and prior to the next Business Meeting at which the membership could vote on the applicant:
   1. Review applications based on the following criteria:
      a. The application must be complete.
      b. The applicant must meet the requirements stated in Article II, Section 1.
      c. The applicant must meet the minimum requirements of the membership class for which he or she applied, as defined in Article II, Section 2.
   2. Contact the instructor of the approved basic bloodstain pattern analysis course for which the applicant submitted a certificate and verify the applicant attended the course.
   3. Confirm that a Full or Distinguished Member is sponsoring the applicant.
   4. Make every attempt to contact all listed references for promotion to Full Membership.
   5. Give the Membership Committee Chair a complete report of the results of the review and a recommendation for or against acceptance of the application.

F. The Membership Committee Chair shall tell the membership, prior to the next Business Meeting at which the membership could vote on the applicant, the name of each individual whose application a Vice President recommended for acceptance.

G. A majority vote at a Business Meeting is required for a recommendation for acceptance of a member to pass.

Section 4: Censure, Suspension, or Expulsion of Members

Members may, for cause, be censured, suspended, or expelled from the Association pursuant to the following:

A. A member who has been found by the Association to have breached the Association’s Code of Ethics (pursuant to the Association’s Code of Ethics Enforcement Policy) may be liable to a Letter of Reprimand, suspension of the rights and privileges of membership in the Association for a period of time determined by the Board, removal of Distinguished Membership status, or expulsion from the Association.

   Any member, by Executive Board action following an appeal period, may be liable to censure, suspension, or expulsion from the Association because of a violation of the Association’s Code of Ethics (Article III).

B. Annual membership dues for any given year are due by December 31 of the preceding year. Any member who fails to pay membership dues by December 31 shall be considered not to
be a member in good standing, unless an action of the Executive Board has ruled otherwise based on good cause. Any member who failed to pay his or her annual membership dues by the first day of March December 31 of the current fiscal year may be dropped from the roll of members by action of the Executive Board. Membership status may be reinstated by action of the Executive Board through one of the following means:

1. Former members may be reinstated with their original membership number only upon payment of all delinquent annual membership dues.
2. Former members may be readmitted and shall be given a new membership number upon payment of the current fiscal year's membership dues. Original membership numbers shall not be applicable after a lapse of two years or more of non-payment of fees.

ARTICLE III: Code of Ethics

Section 1: The Code of Ethics
To promote the highest quality of professional and personal conduct of its members, the following constitutes the Code of Ethics, which shall be endorsed and adhered to by all members of the Association:

A. Every member of the Association shall refrain from any material misrepresentation of his or her standing within the Association.
B. Every member of the Association shall refrain from any material misrepresentation of education, training, or experience.
C. Every member of the Association shall refrain from any material misrepresentation of data, upon which an expert opinion or conclusion is based. Data is defined as any fact or setting of facts, experimental results, research, texts, peer-reviewed papers, or other information presented to be true at the time a forensic opinion is rendered, which constitutes the basis for a forensic opinion in the discipline of bloodstain pattern analysis.
D. Every member of the Association, when addressing a public body or forum, or giving sworn testimony before a tribunal, grand jury, or in disposition, shall refrain from knowingly misrepresenting any material factual matter, or knowingly testifying falsely, or misrepresenting his or her qualifications, education, or experience. Nor shall such member present any exhibit or document in such proceedings that the member knows to be false, untrue, or erroneous.

Section 2: Guiding Principles
Separate and distinct from the Association's Code of Ethics, yet essential to the attainment of the highest quality of professionalism, the following are deemed to be guiding principles:

A. Members should maintain their professionalism through competent programs of continuing education, training, liaison with other analysts, and, if possible, peer review of their interpretations by another voting member of the Association.
B. Members should render technically correct statements in all written or oral reports, testimony, public addresses, and publications, and should avoid misleading or inaccurate claims.
C. Members should be objective, acting in an impartial manner and doing nothing that would imply partisanship or any interest in a case beyond the proof of the facts and their correct interpretation.
Section 3: Member Liability
Any member whose professional or personal conduct becomes detrimental to the best interests and purposes of the Association shall be liable to censure, suspension, or expulsion by action of the Executive Board, following the appeal period or other actions as required. Investigative action may be initiated due to alleged violations under any of the following provisions of these Bylaws:
A. Article II: misrepresentation of one or more of the criteria for membership in the Association.
B. Article III: violation of any provision of the Code of Ethics.

Section 4: Investigative Body
The Ethics Committee is responsible for investigating alleged violations as describe in Article III, Section 3.

Section 5: Investigative Action
The following are the principle steps by which an investigation is conducted within the Association:
A. Any member of the Association may submit in writing formal allegations of violations concerning another member to the President or to any Vice President for their consideration and review. The President shall be notified of the allegations and shall immediately forward the allegations to the Chairperson or acting Chairperson of the Ethics Committee for investigation. The Chairperson shall notify the accused of the allegations and investigation by telephone, on a professional level, followed by written notification. The accused may offer a defense to the Ethics Committee, with regard to the allegations, at any time during the investigation if he or she chooses to do so.
B. The Ethics Committee may institute an inquiry based on any evidence brought to its attention that indicates the need for further inquiry or positive action under the provisions of these Bylaws. Appropriate to this form of action, the Ethics Committee shall conduct a full investigation of the submitted allegations and upon completion of said investigation, shall submit, in writing to the Executive Board, their findings with any recommendations.
C. The Executive Board shall, upon receipt of the Ethics Committee report, review all investigations made by the Ethics Committee and, upon completion, vote on the findings. Upon a vote of three-fourths (75%) of the members of the Executive Board, the party accused of unethical or wrongful conduct may be censured, suspended, or expelled.
D. Upon receipt of an Ethics Committee report, the President shall within ten days present the matter to the Executive Board for consideration. If the Executive Board deems that sufficient grounds exist to initiate proceedings against such member, the President shall thereupon send a copy of such charge or charges to the accused by certified mail, return receipt requested. The accused shall have thirty days from the date of receipt of such copy to answer the charge(s) in writing. If the accused member fails to file such written answer within the time prescribed, such failure shall constitute a waiver of the right on such charge or charges, and said accused member shall thereupon abide by the action and decision of the Executive Board in connection therewith, without the right of appeal.
D. The accused has the right to appeal the action of the Executive Board to the members of the Association. In effecting an appeal, the appellant must file a brief typewritten notice of appeal, together with any typewritten statement he or she may wish to submit in his or her behalf, to the President not more than sixty days from the date of notification of the
Executive Board’s actions. The President shall immediately advise each member of the Executive Board of that appeal and shall forward to each a copy of the supporting papers submitted by the appellant. If the accused chooses to file a written answer, then, after due consideration of the evidence at hand, the Executive Board shall within sixty days arrive at a decision and notify in writing all persons concerned of said decision.

E. At the discretion of the Executive Board, all allegations against the appellant shall be published, along with the investigation and the Executive Board’s finding and vote, and mailed to all voting members of the Association, in order that all voting members shall have the opportunity to review the case and vote by ballot on said allegations. The votes shall be forwarded to the Secretary to be tallied. All votes must be returned to the Secretary within sixty days of the mailing.

F. A vote of three-fourths (75%) of the voting membership must be obtained to reverse the finding of the Executive Board in regards to the censuring, suspension, or expulsion of a member. All of the above procedures shall be completed within a maximum of two calendar years.

ARTICLE IV: MEETINGS

Section 1: Annual Conference
The Executive Board shall select the time and place to hold the Annual Conference. The agenda shall include a scientific program and a Business Meeting.

A. Funding:
1. The host shall attempt to obtain full funding for the Annual Conference from registration fees, sponsors, vendors, and other sources.
2. The Treasurer, may advance funds to the host to assist in planning and organizing the Annual Conference.
3. Within sixty days from the end of the Annual Conference, the host shall:
   a. Give the Treasurer a complete detailed financial accounting of the Annual Conference.
   b. Repay advanced funds to the Treasurer to the extent that the Annual Conference proceeds allow.
   c. Remit to the Treasurer any excess funds generated by the Annual Conference.
4. If the Annual Conference results in a financial loss, the Treasurer shall pay the deficit from the Association accounts.

B. Representation:
The host shall present all bids, proposals, and contracts to the Treasurer or the Treasurer’s designee for review. Approved bids, proposals, and contracts shall be signed by the Treasurer or the Treasurer’s designee.

Section 2: Business Meeting
A Business Meeting shall be on the agenda of the Annual Conference. Other Business Meetings may be called at the discretion of the Executive Board.

A. A quorum to conduct a Business Meeting consists of ten percent of the number of voting members present.

B. No proxy votes shall be allowed.

Section 3: Executive Board Meeting
The President or a majority of Officers may call for an Executive Board Meeting by notifying the Secretary in ample time of the date, time, location, and purpose of the proposed meeting.

A. A quorum to conduct an Executive Board Meeting consists of a majority of its Officers.
B. A majority vote of the Officers present at an Executive Board meeting shall be required for an action of the Executive Board to pass, unless otherwise stated in the Bylaws. Each Officer shall have one vote. If the offices of Secretary and Treasurer are held by one person, that person shall have one vote. The President shall not vote except in the event of a tie, in which case the President shall cast the tie-breaking vote.

ARTICLE IV: OFFICERS AND THE EXECUTIVE BOARD

Section 1: Officers
The following Officers shall serve on the Executive Board: President, Immediate Past President, Vice Presidents, Secretary, Treasurer, Historian, and Sergeant-at-Arms. The offices of Secretary and Treasurer may be held by one person who is in a permanent location. There shall be one Vice President from each region described below:

Region 1: Pacific time zone, Hawaii, and Alaska
Region 2: Mountain time zone
Region 3: Central time zone
Region 4: Eastern time zone and the maritime regions of Canada
Region 5: Europe
Region 6: Australia, New Zealand, and eastern Asia

A. Nomination
Only Full and Distinguished Members in good standing may become Officers. Officers shall be nominated at the Business Meeting that is concurrent with the Annual Conference. The nomination shall be either a recommendation by the Executive Board or a motion from a voting member in attendance.

B. Election
The election of Officers shall be by ballots that are mailed to all voting members in good standing. The ballots must be returned by mail to the Secretary and post-marked no later than December 31 of that year.

C. Term of Office
The term of each office shall be one year, starting on the first of January immediately following the election. Consecutive terms for the President, Vice Presidents, and Sergeant-at-Arms are limited to three.

Section 2: Duties of the Executive Board
A. General management of the Association, including levying fees, dues, and other assessments.

Section 3: Duties of the President
A. Serve as the Chief Executive Officer.
B. Preside over Executive Board Meetings and Business Meetings, fulfilling such duties as custom, as parliamentary usage, or as the Executive Board requires.
C. Appoint members in good standing as committee members and chairs. Amend and discharge all committees, standing and special, except as otherwise stated in the Bylaws
D. Submit for publication on the Association’s website a current committee duty statement
within 30 days of formation of a new committee, and within 30 days of any change to a committee’s duties.

E. Submit for publication on the Association’s website the names of Officers, committee chairs, and committee members within 30 days of any changes.

F. Annually update the President’s Duties Statement, which shall be published on the Association’s website.

Section 4: Duties of the Immediate Past President

A. Assist the President with his or her duties and be his or her advisor, as needed.

B. Assume the Presidency in the event the office of the President becomes vacant.

C. Annually update the Immediate Past President’s Duties Statement, which shall be published on the Association’s website.

Section 5: Duties of the Vice President

There shall be one Vice President from each region described below:

- Region 1: Pacific time zone, Hawaii, and Alaska
- Region 2: Mountain time zone
- Region 3: Central time zone
- Region 4: Eastern time zone and the maritime regions of Canada
- Region 5: Europe
- Region 6: Australia, New Zealand, and eastern Asia

The Vice Presidents shall be responsible for the following:

A. Assist the President with his or her duties as requested by the President.

B. Represent his or her region.

C. Assume tasks assigned to the Vice President by the President.

D. Serve on the Membership Committee pursuant to Article II, Section 3.

E. Annually update the relevant Vice President’s Duties Statement, which shall be published on the Association’s website.

Section 6: Duties of the Secretary

A. Record and store records and minutes of Business Meetings and Executive Board Meetings.

B. Read the minutes of the last Business Meeting at each Business Meeting.

C. Maintain a current membership roster and give quarterly updates to the Editor of the IABPA News.

D. Chair the Membership Committee and process membership applications pursuant to Article II.

E. Notify Officers of the date, time, location, and purpose of Executive Board meetings.

F. Assume tasks assigned to the Secretary by the President.

G. Maintain all records and memorabilia concerning the daily business activities of the Association.

H. Annually update the Secretary’s Duties Statement, which shall be published on the Association’s website.

Section 7: Duties of the Treasurer

A. Receive all moneys due to the Association and keep accurate records of all monetary transactions.
B. Maintain Association accounts and sign checks on behalf of the Association.
C. Present current financial statements at Executive Board meetings and Business Meetings.
D. Assume tasks assigned to the Treasurer by the President.
E. Perform duties as described in Article IIIV, Section 1.
F. Annually update the Treasurer's Duties Statement, which shall be published on the Association's website.

Section 8: Duties of the Historian
A. Maintain records and memorabilia of the Association, as well as other documentation appropriate to the office.
B. Annually update the Historian's Duties Statement, which shall be published on the Association's website.

Section 9: Duties of the Sergeant-at-Arms
A. Maintain control and security at the Business Meeting.
B. Assume tasks assigned to the Sergeant-at-Arms by the President.
C. Annually update the Sergeant-at-Arms' Duties Statement, which shall be published on the Association's website.

Section 10: Vacancy in Office
A. In the event of a vacancy in the office of the President, the Immediate Past President shall serve as President for the remainder of the term.
B. Any vacancy in office, except that of the President, shall be filled by the President for the remainder of the term or until the President appoints a voting member in good standing to fill the position for the remainder of the term.

Section 11: Remuneration
No Officer shall directly or indirectly receive any salary or compensation for his or her service as an Officer.

Section 12: Access to Association Records
A. Association archives, files, books, and records held by any member of the Association shall be open at all times to inspection and examination by Officers.
B. Upon vacating office for any reason, the past Officer shall turn over all archives, files, books, and records to his or her successor or to an Executive Board designee if a successor has not yet been appointed.

ARTICLE VI: STANDING COMMITTEES

A. Education Committee
The Education Committee shall consist of at least three voting members in good standing. Each member shall serve a three-year term and the terms shall be staggered. The second year of the term shall be served as the Education Committee Chair. Committee responsibilities are as follows:
1. Promote education and training in bloodstain pattern analysis.
2. Define the minimum standards, guidelines, and criteria of an approved basic bloodstain pattern analysis course.
3. Address any membership matters that the President or the Executive Board deem necessary and appropriate.

**B. Ethics Committee**

The Ethics Committee shall consist of at least three voting members in good standing. Each member shall serve a three-year term and the terms shall be staggered. The second year of the term shall be served as the Ethics Committee Chair. Committee responsibilities are as follows:

1. Investigate allegations of misconduct or the breach of the Association’s Code of Ethics committed by a member. The investigation shall be carried out of any member of the Association pursuant to Article III, as per the IABPA Code of Ethics Enforcement Policy.

2. Order retroactive investigations and, as necessary, serve as a hearing agency concerning any member’s past or present conduct that may be a violation of Article III.

3. Act as an advisory body, rendering opinions on the ramifications of contemplated actions by any member with respect to Article III, the Association’s Code of Ethics.

**C. Membership Committee**

The Membership Committee Chair shall be the Secretary. Committee members shall be the Vice Presidents. Committee responsibilities are as follows:

1. Process applications pursuant to Article II.

2. Address any membership matters that the President or the Executive Board deem necessary and appropriate.

**D. Publication Committee**

The Publication Committee Chair shall be the Editor of the Association’s newsletter, *IABPA News*, official publication, *Journal of Bloodstain Pattern Analysis*. Subject to approval by the Executive Board, the Editor may select members in good standing to serve on the committee. The Editor may print the Editor’s viewpoint in a column within the newsletter or journal. Committee responsibilities are as follows:

1. Produce the *IABPA News* and *Journal of Bloodstain Pattern Analysis*.

2. Committee members assist the Editor.

**E. Awards Committee**

The Awards Committee shall be comprised of five members in good standing who are appointed by the President. Committee responsibilities are as follows:

1. Determine whether the performance of an award nominee meets the criteria established for that award, pursuant to the IABPA Awards Policy.

2. Coordinate the Awards Program, pursuant to the IABPA Awards Policy.

**ARTICLE VII: FUNDS AND EXPENDITURES**

**Section 1: Income and Expenditures**

Funds for Association meeting expenses are to be obtained from annual dues, application fees, the Annual Conference registration fees, sponsors, and vendors; assessments; voluntary contributions; and such income as may come to the Association through the collective efforts of its membership. All dues, fees, and assessments must be in United States currency. No member of the Association has the authority to represent the Association in verbal or signed contracts without Executive Board approval, unless otherwise stated in the Bylaws. All disbursements shall be made by the Treasurer.
Section 2: Fiscal Year
The Association’s fiscal year is from January 1 through December 31.

ARTICLE VIII: AMENDMENTS

Section 1: Notice and Vote
Any part of the Bylaws may be amended by a three-fourths (75%) vote at any Business Meeting that is attended by a majority of the Executive Board. Notification of the proposed amendments must be made to all voting members at least sixty days in advance of the Business Meeting.

Section 2: Adoption
Amendments become effective immediately upon approval pursuant to Article VIII, Section 1.

RATIFIED: October 9, 2008
AMENDMENTS:
The dates of amendments prior to October, 2001 are unavailable.
October, 2001
October 7, 2005
October 9, 2008