

# THE TN-IAI QUARTERLY

Volume 8, Issue 3



Fall/Winter 2017

## New Members

Crystal Wagoner-Eckberg - Associate Member - Daymar College/  
University of Phoenix

## A Message from the 2017-2018 TN-IAI President

Happy New Year! I hope that everyone had a great holiday season. The years seem to just tick by faster and faster. I want to take a moment and introduce myself. My name is Heather Hammond and as of the end of the TN-IAI conference back in July, I was elected president. The TN-IAI Conference was very successful with about 60 attendees and lots of new memberships. It was a pleasure to meet all of you and hope to see you in 2018 during any of the upcoming workshops, training days, or the division conference. A new board was elected for 2017-2018 and we are getting ready to start planning for next year's conference. Please contact any board member with ideas and or topics you would be interested in seeing at the next conference.

Coming up the week of Jan 15, 2018 on the website, [www.tniai.org](http://www.tniai.org), there will be a survey to take to get an idea of what our members are interested in as far as training, conference topics, and ways to improve the division. Please take a few moments to complete the survey. We would love your feedback to help us grow and to continue to have training pertinent to our members.

Also new next week on the website will be the Application process for NEW members and a RENEWAL process for current members. If you are RENEWING this year, please fill out the RENEWAL form.

We are continually updating the website with upcoming training opportunities and other resources that might be valuable to law enforcement personnel involved in investigations or forensics. I encourage you all to visit the website frequently to stay informed of new opportunities.

My email is always open for anyone that has any questions, comments or concerns. Please feel free to email me at [heather.hammond@tn.gov](mailto:heather.hammond@tn.gov).

Heather Hammond

### In this issue:

President's Message	1
Board Meeting Minutes	2
Scholarships	2-3
Tritech Forensics	4
2017 Conference Recap	5
Lynn Peavey	6
2018 Conference	7
Arrhowhead Forensics	8
Committees	9
Foster + Freeman	10
Training	11
Air Science	12

### 2016-2017 TN IAI Board

<b>President</b>	Heather Hammond
<b>1st Vice-President</b>	Katlin Dillon
<b>2nd Vice-President</b>	Monica Kent
<b>Secretary</b>	Amber Smith
<b>Treasurer</b>	Elizabeth Reid
<b>Webmaster</b>	David Howell
<b>Newsletter Editor</b>	Cody Rowlett
<b>Sgt. At Arms</b>	Luke Riley
<b>Historian</b>	David Wilmore

### Board of Directors

#### Chairperson - Kendra Fleenor

David Hoover  
Kristine Keeves  
Ed Duke  
Megan Whitesell  
Dan Anselment

### Associate Member Representatives

Philip Sanfilippo  
Max Jarrell

### Certification Committee

<b>Latent Print</b>	Elizabeth Reid
<b>Ten Print</b>	Jackie Cockrill

## Board Meeting Minutes

Since the 2017 Conference, all Board of Directors meeting minutes will be available in the member's area of the TN IAI website.

Contact David Howell (david.1.howell@tn.gov) if you need assistance accessing the website.

<http://www.tniai.org>

## Scholarship Winner

Congratulations to Emily Brackett for winning the TN IAI \$500 full-time scholarship. Emily is a Senior at Middle Tennessee State University majoring in Forensic Science and is expecting to graduate in August 2018.

Congratulations Emily!



Help promote the TN IAI Scholarship! We frequently have very few applicants and need to let college students in the forensic and criminal justice fields know about our scholarship program. We award a total of four scholarships annually - one part-time (\$250) and one full-time (\$500) in both the spring and fall semesters.

For more information, see the scholarship guidelines on the following page, email Scholarship Committee Chairman John Dunn (john.b.dunn2@tn.gov), or visit <http://www.tniai.org/pdf/ScholarshipGuidelines.pdf>



## **SCHOLARSHIP FUND**

### **Application Guidelines**

The Tennessee Division of the International Association for Identification (TN-IAI.) is seeking applicants for a \$250 scholarship (part-time student) and a \$500 scholarship (full-time student). This award will be given to individuals on the basis of character, activities, merit, and interest in the field of law enforcement or forensic science. The following are requirements for each person interested in being considered for this scholarship.

Any member of this association in good standing may apply but membership is not required for application.

Any applicant must be a full/part-time student at an accredited college/university.

A minimum of 3.0 cumulative GPA is required and a copy of transcripts must be submitted.

Any applicant must be in his/her sophomore year or higher. Thirty (30) semester hours or equivalent are needed and remedial or developmental classes are not included.

A part of the application process will include a summary of an applicant's academic and career goals as well as his/her interest in law enforcement or forensic science.

Two letters of recommendation must be directly submitted on letterhead to the TN Division of IAI.

All applications and recommendations must be submitted by May 1<sup>st</sup> for the fall semester and November 1<sup>st</sup> for the spring semester. Any applicant reapplying for the scholarship must have a minimum 2.75 GPA and submit a current copy of transcripts.

The funds must be used to pay for tuition and/or books during the semester of coursework.

All information required must be submitted to the following address:

TN IAI  
P.O. Box 160919  
Nashville, TN 37216-0002  
Attn: John Dunn, Scholarship Committee Chair

#### **For your application:**

- 1. Clearly indicate if you are a full or part-time student**
- 2. Limit your academic/career goals and interest in law enforcement/forensics to no more than one page**





# WE'RE COMING TO TENNESSEE!

## Hosting Agencies

TRITECH**FORENSICS** is the Official Training Partner of the International Association for Identification. We have over 50 forensic courses available for agencies to host in their local areas.

## Benefits of Hosting

- ✓ Training courses can be customized for individual agencies by request
- ✓ Discounted group rates for students of host agencies
- ✓ Training from some of the best instructors in the nation
- ✓ Hosting agencies save money on training budgets by avoiding travel and lodging expenses for students

## Upcoming 2018 Courses

Here are a few of our upcoming courses. For the entire list of scheduled courses, please visit [tritechforensics.com](http://tritechforensics.com).

**QUALITY ASSURANCE FOR LATENT PRINT EXAMINERS**  
Kissimmee, FL | JAN 8 - 12, 2018 | (LP) (TP)

**INTRODUCTION TO FORENSIC PHOTOSHOP**  
Fredericksburg, VA | JAN 18 - 19, 2018 | (CS) (TP) (FV)

**ALTERNATE LIGHT SOURCE WORKSHOP**  
Boca Raton, FL | JAN 29 - 30, 2018 | (CS) (FP) (FV)

**PROPERTY & EVIDENCE MANAGEMENT**  
Appleton, WI | FEB 5 - 7, 2018

★ **CRIME SCENE INVESTIGATIONS (Alabama!)**  
Pelham, AL | FEB 5 - 9, 2018 | (CS)

**INTRO TO FINGERPRINT SCIENCE AND TENPRINTS**  
Ft. Myers, FL | FEB 5 - 9, 2018 | (TP) (LP)\*

★ **BASIC CRIME SCENE INVESTIGATIONS (Tennessee!)**  
Lebanon, TN | MAR 7 - 9, 2018 | (CS)

**FORENSIC ULTRAVIOLET & AND INFRARED PHOTOGRAPHY**  
Lexington, SC | MAR 19 - 21, 2018 | (CS)

**COURTROOM TESTIMONY FOR FINGERPRINT EXAMINERS**  
Boca Raton, FL | APR 23 - 25, 2018 | (CS) (LP) (TP) (FV)

Some listed courses have been approved for certification and/or recertification training credit by IAI certification boards. Detailed information available at [tritechtraining.com](http://tritechtraining.com).

## 2017 Conference Recap

We had a very successful conference in 2017. Here are some of the highlights:

- **60 Attendees**
- **5 Vendors**
- **T-shirt sales and silent auction were a success (\$257 silent auction profit)**
- **By-law changes were presented and are now available online**
- **We had excellent instructors across a wide range of specialties including latent print analysis, child death investigations, ritualistic and occult crimes, and skeletal recovery**
- **New and returning officers and board members for 2017-2018 were elected and announced. Congratulations to the following elected officers and board members:**
  - **President: Heather Hammond**
  - **1st Vice President: Katlin Dillon**
  - **2nd Vice President: Monica Kent**
  - **Secretary: Amber Smith**
  - **Treasurer: Elizabeth Reid**
  - **Newsletter Editor: Cody Rowlett**
  - **Sergeant at Arms: Luke Riley**
  - **Historian: David Wilmore**
  - **Associate Member Representatives: Phil Sanfilippo and Max Jarrell**
  - **Board of Directors: David Hoover, Ed Duke, Kristine Keeves**
- **Two additional board members were later appointed by President Heather Hammond**





# *The other guys are just all wet.*

## **Moisture. Humidity. Contaminants.**

Killers for powder processing for latent print development. Problem solved.

Our new FiberDuster Elite™ and FeatherDuster Elite™ fingerprint brushes are now double-treated to **REPEL** all moisture and surface contaminants... and will at the same time ***reduce friction*** with all evidence surfaces... **by up to 45%!**



## **All the others? They're all wet.**

View the demo at [www.lynnpeavey.com](http://www.lynnpeavey.com).

The results are **astounding**. The choice is clear whose brush you want to be using.

*\*US Patent Pending*

## 2018 Conference Ideas

Here are some of the current ideas being discussed for this year's conference. Please email President Heather Hammond (heather.hammond@tn.gov) with any ideas/topics you may have in mind. We would love some suggestions from our membership:

- Gatlinburg Wildfires
- Vanderbilt Rape Case
- Human Trafficking
- Antioch / Vegas Shooting
- DNA Forensic Genealogy
- Interactive Latent Workshops
- UV/IR Photography
- Latent Certification Prep Course
- Lecture on optimum temperature when using cyanoacrylate
- K-9 Drug and Arson

We are still working on the dates and location for the conference.

The forensic science  
and crime scene information you need.  
**Free Digital Edition • Subscribe Today**







## FSIS COLOR LAB

The new Full Spectrum COLOR Imaging System (FSC) is the most advanced forensic image capturing system in the world. The FSC features a patented 16MP digital camera with 78mm UV lens. Now, for the first time, the new FSC can capture an image in FULL COLOR! With over 16 megapixels of resolution and sensitivity from 254nm to 1100nm, the FSC can easily capture a full handprint at 1000 ppi (pixels per inch), and micro evidence up to 3,500 ppi. No more looking for a latent fingerprint with a handheld RUVIS and then blindly photographing the evidence in order to get a high resolution image. No more green, grainy, low resolution images with a capture area limited to 1"x1" by the old RUVIS technology. The FSC will digitally capture a high resolution image and display it in real time, allow the user to adjust settings real time, then capture the image in full color! The system begins with the patented camera and continues with the computer, an all-in-one Apple iMac with 27" display running on Windows 7. The system's patented curved surface software is revolutionary. Using the integration feature, evidence can be captured even on round or curved surfaces, such as a wine glass. With a state of the art computer, a high sensitivity solid state camera, and software written specifically for capturing various types of evidence, the FSC provides consistent sensitivity and sharpness in the UV, visible and IR spectrums. Although the key feature is viewing and capturing untreated latent prints at a very high resolution, the FSC isn't just for fingerprints. The large field of view (4.9" x 3.3"), high resolution (up to 3,500 ppi), and full spectrum capability (254nm - 1100nm) provide an extraordinary system to view and capture COLOR images of altered documents, urine, semen, saliva, blood, GSR, footwear, fumed prints, dye-stained prints and more. Forensic photography just got a lot easier because now you can see and adjust the image real time and capture the image in full color! The FSC is an amazing instrument that will maximize the efficiency and results of all criminalists who use it. The FSC Lab system is designed specifically for a laboratory environment. The approximate lab footprint is 36" x 36" x 24". An articulating arm and a 27" display allow for clear, fast evidence scanning. Hands-free image capture is easy using the integrated foot pedal and a mounted UV light. The FSC will increase throughput by minimizing the time needed to get quality color images of evidence. There is absolutely no limit to the various types of evidence that can be processed using the FSC. Put it to the test and request a demo today!

A-FSC-1-FS ..... \$52,000.00

Price includes 1 year manufacturer warranty. \*Extended warranty available upon request.

Patent Number 9294689 Camera: Full Spectrum Imaging System (FSIS)

Patent Number 9292726 Software: Photography of 3D, Curved and Textured Surfaces (Integration)

### EXHIBIT

# A

High resolution images can be captured in color and black and white making photographing evidence such as altered documents, urine, semen, saliva, blood, GSR, footwear, fumed prints, dye-stained prints (and more) seamless and consistent.



**1** Evidence can be captured in full color at high resolution.



**2** The same evidence can be captured seamlessly in shortwave UV with the same high quality.

## STOP BY OUR BOOTH FOR A HANDS-ON DEMO

**WHAT YOU GET**

- Apple iMac All-In-One Computer (running Windows 7)
- Intel QuadCore 3.2GHz, 8GB RAM, 1TB Hard Drive, with a 27 inch 3840 x 2160 pixel display, a wireless mouse and keyboard.
- 16MP Digital FSC camera, w/ 16 Megapixel resolution able to image a 4.9" by 3.3" area with 1000 ppi resolution from 254nm to 1100nm. Able to capture FULL COLOR 24 bit images (48MB file size). Camera is pre-threaded for optional tripod mounting.
- Patented Curved Surface Software
- Integrated Foot Pedal (for hands-free image capture)
- Articulating Camera Arm
- Flexible Arm for Light Source
- 78mm UV Lens with Universal Filter Holder
- 365nm UV Bandpass Filter
- 445nm Blue Bandpass Filter
- 695nm IR Filter
- 3 Position Filter Slider includes:
  - 254nm UV, 550nm Orange, 830nm IR Filter
- Shortwave (254nm) UV Light
- 3 watt, 365nm (UV) LED Flashlight
- 3 watt, 445nm (Blue) LED Flashlight
- 3 watt, 525nm (Green) LED Flashlight
- 3 watt, 625nm (Red) LED Flashlight
- 3 watt, 850nm (IR) LED Flashlight
- Chargers for Flashlights (12V, 100-240VAC)
- UV Face shield
- UV and Orange Goggles
- 1 Year Manufacturer Warranty
- \*Extended Warranty available upon request

Specifications subject to change.



## ARROWHEAD FORENSICS

11030 Strang Line Road | Lenexa, Kansas 66215

PHONE 913.894.8388 FAX 913.894.8399

www.arrowheadforensics.com





## Committees



Please consider volunteering for one (or more) of the following committees:

### **Conference Committee**

This committee shall recommend the time and place of the annual business meeting and submit same to the membership for confirmation. If for any reason it becomes necessary to change the location of the meeting place, it shall be their duty to select a different location and complete all necessary arrangements, and to notify the membership of such change prior to such meeting. The Conference Committee shall, with the President, outline the program of activities for the annual conference of the association.

### **New Membership Committee**

This committee shall be responsible for the solicitation of new membership. The Treasurer shall forward all applications of candidates for membership in the Association to this committee. This committee will be responsible for conducting background investigations of new candidates to determine the candidate's character and qualifications for membership. This committee's recommendation will then be presented to the Board of Directors. All investigational findings will be handled as confidential and will not be released outside the Board of Directors.

### **By-Laws Committee**

This committee is responsible for maintaining and updating the by-laws as required. As directed by the President, this committee will also research proposed amendments to the by-laws. They will report and submit their findings and recommendations to the President for presentation to the Board of Directors.

### **Nominating Committee**

The purpose of the Nominating Committee is to organize and interview candidates seeking elected office of the association. The committee shall issue a report of recommended nominees that will be presented at the general membership meeting during the conference. The Nominating Committee meeting time shall be advertised on the conference schedule.

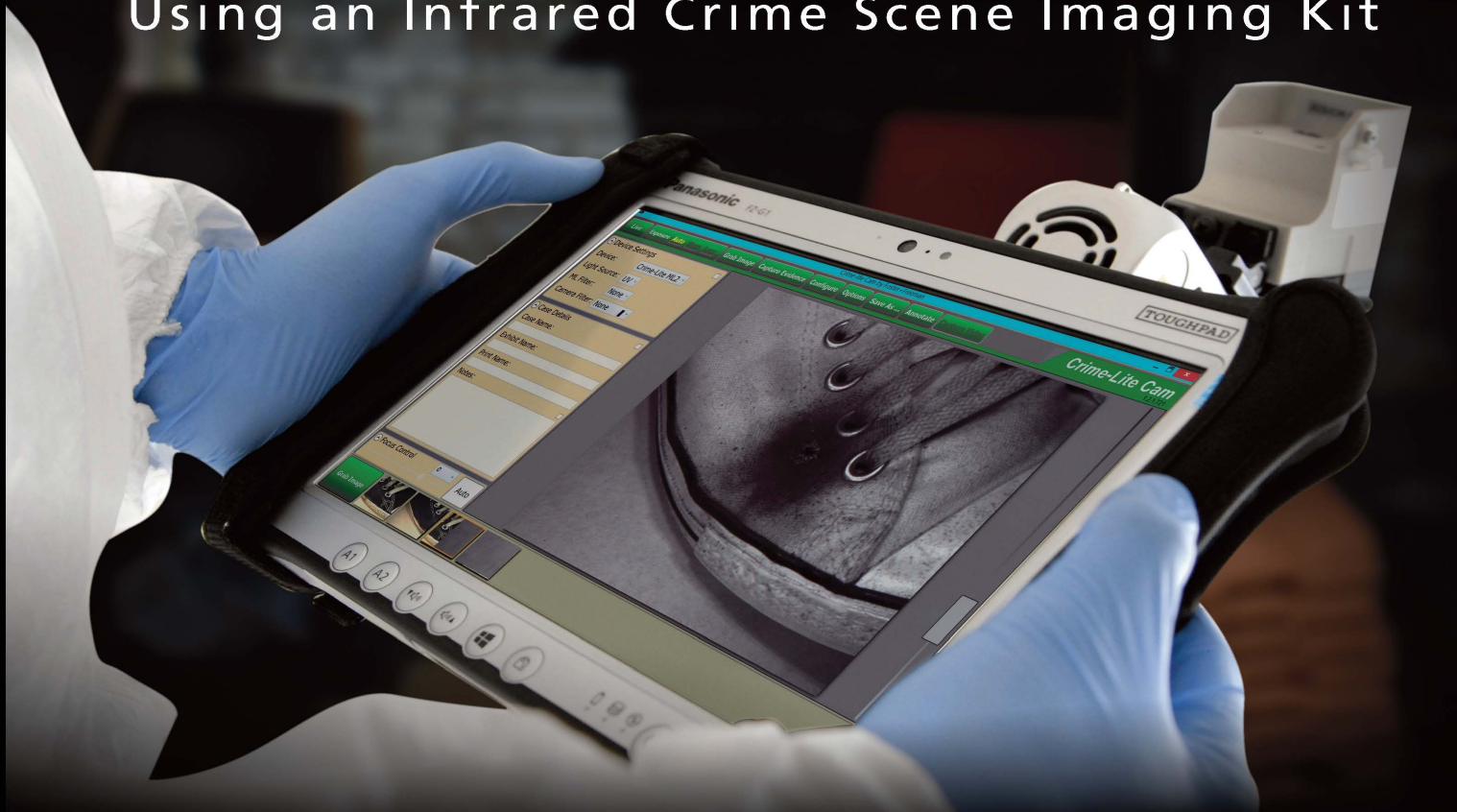
### **Scholarship Committee**

The association desires to support education in the fields of forensic identification. To this end, the association shall offer financial scholarships to qualified college and university students when possible. This committee is responsible for overseeing the Scholarship Program. Their duties will include updating scholarship program criteria, receiving student applications, reviewing applications, presenting applications to the Board of Directors for approval, and the awarding of scholarships.

foster+freeman Infrared *Crime-lite* Imaging Systems

# Detect **More** Evidence

Using an Infrared Crime Scene Imaging Kit



## INTRODUCING Infrared Crime Scene Imaging

While a skilled investigator can learn a great deal through the visible examination of a crime scene, further evidence may remain unseen, hidden, or masked by the background.

Crime-lite® Infrared Crime Scene Imaging Kits are a unique range of products that reveal this previously hidden evidence by extending the search beyond the limits of human vision.

Comprising a powerful IR light source with UV-Vis-IR camera attachment, and a ruggedized tablet computer running specialized IR image capture software, Crime-lite® IR CSI kits enable the examiner to detect blood, body fluids, gun shot residues, and fingerprints.

Searches are conducted in real-time with live video displayed on screen. IR imaging filters greatly suppress backgrounds, to reveal evidence with high visible contrast.

To receive further information about Crime-lite Infrared CSI Kits, or to request a product demonstration, please contact [usoffice@fosterfreeman.com](mailto:usoffice@fosterfreeman.com)



foster+freeman

[usoffice@fosterfreeman.com](mailto:usoffice@fosterfreeman.com)  
Tel: 888 445 5048

[fosterfreeman.com](http://fosterfreeman.com)  
[twitter @fosterfreeman](https://twitter.com/fosterfreeman)

46030 Manekin Plaza | Suite 170 | Sterling | VA 20166 | USA

## Training Opportunities

[www.policetraining.net](http://www.policetraining.net)

### January 2018

8-12	<b>Narcotics, Gangs, Vice and Financial Investigations</b>	Nashville, TN
12	Chemical Aerosol Projector	Nashville, TN
15-16	<b>Rapid Response Workshop</b>	Chattanooga, TN
22-26	SSGT Vanguard Level One Defensive Tactics Instructor	Franklin, TN
30-2	<b>Reid Technique of Investigative Interviewing &amp; Advanced Interrogation™</b>	Goodletsville, TN

### February 2018

5-9	<b>Advanced Vice and Narcotics Investigations</b>	Nashville, TN
5-9	The Equalizer Women's Self-defense Instructor Course	Franklin, TN
12-16	SSGT Vanguard Level One Defensive Tactics Instructor	Waverly, TN
13-16	<b>Reid Technique of Investigative Interviewing &amp; Advanced Interrogation™</b>	Memphis, TN
26-2	Alpha Group Center - Crime Analysis	Nashville, TN

### March 2018

8	Radical Islam & Terrorist Tactics	Lebanon, TN
12	<b>Officer Safety Tactics *BY PATC</b>	Gatlinburg, TN
12-14	<b>Criminal Drug Interdiction Techniques and Concealment Locations *BY PATC</b>	Gatlinburg, TN
12-14	<b>Investigating Citizen Complaints and Officer Misconduct *BY PATC</b>	Gatlinburg, TN
12-14	<b>Solving Homicides: Investigative Steps to Success *BY PATC</b>	Gatlinburg, TN
12-14	<b>Supervising and Managing the FTO Unit *BY PATC</b>	Gatlinburg, TN
12-14	<b>Supervising the Toxic Officer *BY PATC</b>	Gatlinburg, TN
13-14	<b>Forensic Pathology for Investigators *BY PATC</b>	Gatlinburg, TN
13-14	<b>PREA Investigator Training *BY PATC</b>	Gatlinburg, TN
26	Use of Force from the Street to the Courtroom	Lebanon, TN
26-28	<b>Officer Involved Shooting-3 Day *BY PATC</b>	Collierville, , TN

### April 2018

2-3	Understanding Violent Body Gestures	Lebanon, TN
-----	-------------------------------------	-------------

### May 2018

15-17	<b>2018 ICSIA's CSI Training Conference</b>	Nashville, TN
21-24	<b>Reid Technique of Investigative Interviewing &amp; Advanced Interrogation™</b>	Knoxville, TN

### June 2018

19-22	<b>Reid Technique of Investigative Interviewing &amp; Advanced Interrogation™</b>	Goodletsville, TN
-------	---	-------------------





# Forensic<sup>®</sup> SERIES

Air Science provides forensic laboratory equipment to meet the needs of each step in the evidentiary chain, from field processing, to transport and storage, to analytical procedures in the laboratory.

- Ductless Fume Hoods
- Forensic Evidence Drying Cabinets
- Automatic Cyanoacrylate Fuming Chambers
- Mobile Forensic Evidence Benches
- DFO and Ninhydrin Fingerprint Development Chambers
- Fingerprint Powder Workstations
- Benchtop Decontamination Chambers
- Evidence Storage Cabinets
- Swab Drying Cabinets
- Mobile Evidence Transporters
- Fume Chambers

Review our product offerings at [airscience.com/forensics](http://airscience.com/forensics)



Fort Myers, FL 33907 • Toll Free/800.306.0656  
[www.airscience.com](http://www.airscience.com) • [info@airscience.com](mailto:info@airscience.com)

©2017 Air Science OW 11197 02/17  
Air Science, Purair, and SafeFume are all registered trademarks of Air Science Corporation.