



The Patent Print®

Official Publication of .
The Utah Division of the I.A.I.
Chartered 1989.
International Association for Identification .

The President's Message

Thanks for your support!

Best Wishes,
Jeff Itami, President, Utah
Division of IAI

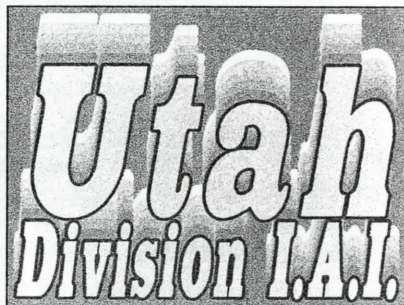
Greetings' fellow criminalists and forensic scientists of the Utah Division:

I hope to see many of you representing our division at the first bi-division educational training conference in Boise, Idaho! We have three of eleven technicians from the Salt Lake County Sheriff's Office attending. Also, I will be presenting a lecture/workshop on Crime Scene Management with a crime scene practical exercise. I hope you will attend some of the workshops as well as the general sessions and gain some new knowledge or improve a skill, technique or method for processing a crime scene.

I also wish to give you all a heads up regarding the Fall Educational Conference. At this time, it is still in the development stages, but we are attempting to fix a date and use the Salt Lake County Sheriff's Office Range Training Center. Information discussed will be on weapons, which will include practical exer-

In March, I visited with the President of the Nevada Division and we discussed a tri-divisional educational conference in Northern Nevada in 2003. They were excited by the prospect of holding a larger conference in either Carson City or Reno (Greatest Little Casino Town in America!). This would include the Pacific-Northwest Division, Nevada and Utah divisions. We would be able to offer a wider selection of speakers of national/international prominence as well as more workshops and certifications for IAI disciplines in an expanded format! And, it would follow the 2002 IAI educational conference in Las Vegas, Nevada at the Riviera Hotel-Casino. Also, a side benefit is the number of out-of-state networking contacts you'd make to help you and others. We'd grow both as individuals, and as agency crime scene units. It's all win-win!

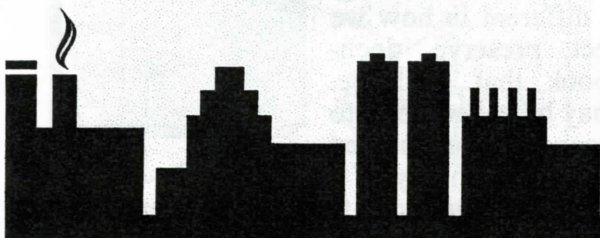
Again, I urge you to make the effort to go to Boise, Idaho for the joint PNW/UTAH bi-divisional educational conference! See you there! And, please, introduce yourselves - I'm always glad to meet members who haven't come to meetings before!



MAKE AN EDUCATED CHOICE
READ YOUR NEWSPAPER

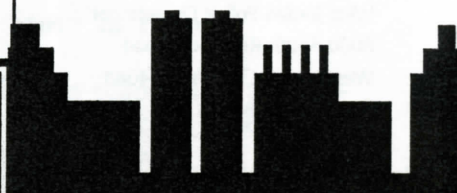
- President: **Jeff Itami**
- Vice President: **Trent Grandy**
- Secretary: **Doug Huntsman**
- Treasurer: **Barbara Reed**
- Regional Rep.: **Charlotte Smith**
- Historian: **Jason Cole**
- P.P. Editor: **LaMar Burns**
- Parliamentarian: **Cal Ostler**

Immediate Past President:
James May



cises in making weapons safe, and preserving latent prints and other important evidence concerning weapons. The details will be outlined in the next edition once we get the program firmly established. It ought to be an exciting opportunity to enjoy mountain air, prepare shooting boards, and learn something new!

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Diagramming!
How good are you?
Tell us some stories how diagramming has helped you on a case.



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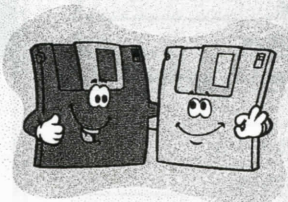
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Glass Fracture Analysis

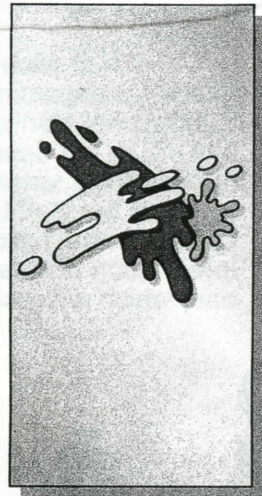


"The Lock"

By: LaMar A Burns, CSI, LPE
 West Valley City Police Department
 Forensic Services Unit

Glass from windows is a common type of evidence found at many crime scenes. Windows may be broken by crooks in burglaries, auto thefts, criminal mischief, homicides, aggravated assaults, and robberies, etc.. or by a person trying to cover up a crime or by a person trying to create the illusion that a crime has been committed. This type of activity has been discovered during homicide and burglary investigations in which the owner was trying to cast blame or to defraud his insurance company¹. This is the key to opening the "Lock."

We are all aware of how the media had covered the O.J. Simpson trial and the attack of contaminated evidence and even planted or fabricated evidence. Glass fragments are no different in how we handle, collect, preserve, document, and book that evidence. Any officer may be called upon to respond to a scene and be assigned to gather evidence or do any of the many tasks in documenting the crime scene. Without some knowledge of the importance of glass fragment evidence, it may be over looked and lost or contaminated beyond any evidentiary value. The keys to the LOCK will be lost or rusted beyond the value of the keys to unlock.





Glass fragments are one of the most common forms of evidence that will occur at crime scenes. The point of entry, point of exit, the glass doors to the stereo and the gun cabinets, will produce a variety of forensic evidence. They are latent prints, patent prints, shoe impression, and stress fractures which reveals the direction of force causing the glass to break.

We could study glass fragments for weeks. However, I would like to give you some basic background in understanding what can be accomplished with glass fragment evidence. Imagine if you will, a window being struck by some sort of applied force, the glass then fractures. Some of these fractures can be seen to emanate from the point of impact, radiating outward. These are called RADIAL fractures (figure 1).

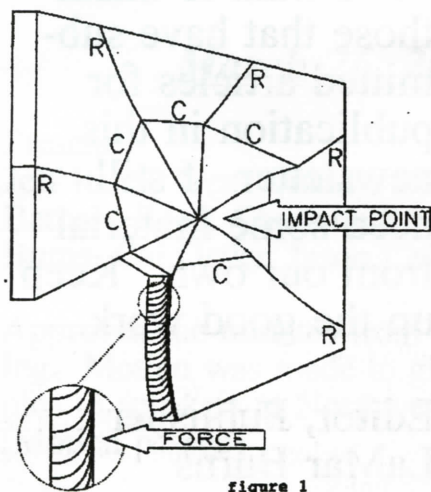


figure 1

Do you know the difference of **Radial** and **Concentric** Fractures in glass?

Other fractures appear to circle or spiral around the point of impact. These are referred to as spiral or CONCENTRIC fractures. There is a certain mechanism responsible for the creation of all these fractures.

By understanding this mechanism, one can then examine the broken pieces of glass individually and make a determination as to the direction of the breaking force².

There are many forensic publications that will discuss the impact of radial and concentric fractures as well as the COMPRESSION and TENSILE strength of glass (figure 2).

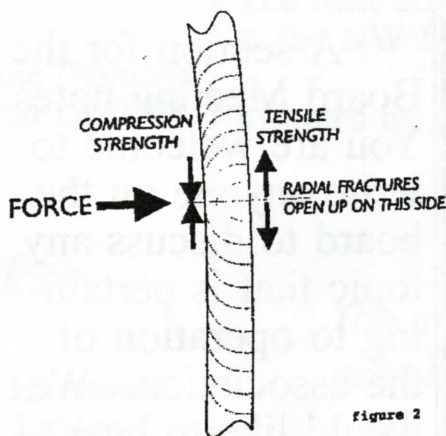


figure 2

We can even tell which side of the glass is facing inside or outside. We need a vast sample from the window sill. We test the glass for fluorescent properties. The glass needs to be float glass, which most window glass in homes are. A U.V. short wave

length light will fluoresce the float side of the glass pane.

As a crime scene unit we are unable to respond to every crime scene and process it for pertinent evidence. There are 6 stages in physical evidence analysis:

1. The recognition of evidence.
2. The documentation of the crime scene and the evidence.
3. The collection and preservation.
4. The analysis.
5. The interpretation of results.
6. The reporting of the results (reports) and the expert testimony.

Conclusion: The properly preserved, collected, and documented glass fractures and fragments are invaluable in solving the forensic picture in any crime scene. The Lock is opened and we can see what is inside. As police officers you will find yourselves being the first persons on scene and will be involved in all of the stages of physical evidence. Today we have only briefly talked about one piece of evidence. Learn good habits early in your careers, which will bring respect and dignity to you and your profession.

A Story in Point

Officers respond to and apparent homicide where they find a man who has been shot several times while in bed in his apartment. The roommate claims he was at the store, while some person broke into the apartment through the sliding glass



"The Lock" Continued from page 3.

door by kicking it from the outside then entering. The suspect then killed and robbed his roommate. To make a long story short, the stress fractures were analyzed in the sliding glass door and it was determined that the glass door was kicked from inside the apartment. Armed with this knowledge other evidence was collected through a search warrant. When the investigator approached the roommate with this evidence, he confessed to killing his lover after a quarrel. The roommate panicked by kicking out the glass door from inside the apartment, setting the stage for deception. Locking the lock but throwing the key on the floor for us to find and solve. As the officers properly documented, preserved, and booked the evidence, the key was properly placed in The Lock, opening the case to be solved.



A most recent case where Detective Imig, of the West Valley City Police,

needed to know which side the force came from in breaking a window. After looking at the glass and determining the force came from inside the apartment, he was now armed with a knowledge that enabled him to interview the involved parties and determine which of them was lying. This is an active case so I am unable to comment any further.[]

The Editor's Corner

Hi again you all.

I am adding some some new article sections to the paper. This includes a section for the financial reporting which will be published once during the year for the prior calendar year.

A section for the Board Meeting notes. You are welcome to write anyone on the board to discuss any topic that is pertaining to operation of the association. We would like to hear from you on your thoughts to improve. Even letters of a complimentary note would be nice also.

A section on the new members that have joined us. I have included a list of new members in this issue. We want to welcome them to our ranks and will support them in their efforts to become a professional in what ever discipline they have chosen.

* *

I want to thank those that have submitted articles for publication in this newsletter. I still need some material from our own. Keep up the good work.

Editor, Publisher
LaMar Burns



UTAH DIVISION
IAI
BOARD MEETINGS

December 18, 2000

Present:

Barbara Reed, Jeff Itami, Cal Ostler, James May, LaMar Burns, Jason Cole, Charlotte Smith, Trent Grandy, Doug Huntsman

Business:

James May conducted: He awarded certificates to outgoing members. Pacific Northwest Division of IAI meeting on May 16-18, 2001. Held in Boise, Idaho.

Cal Ostler proposed sponsoring 10 people per year for IAI certifying. Proposed certification board members: Jeff Itami, Trent Grandy, Russ Dean. They are currently IAI certified.

Next board meeting will be at the Diamond Seas restaurant at noon on March 12, 2001

Doug Huntsman, Secretary

March 26, 2001

Present:

Jeff Itami, Trent Grandy, Doug Huntsman, Barbara Reed, Charlotte Smith, LaMar Burns, Cal Ostler, Jason Cole, James May

Approved the minutes from the last meeting. Motion was made to give 15 IAI pins to speakers at Northwest conference. (Motion passed)

Treasurer Report: We have \$1100.00 in the bank.

Members attending Northwest Conference: approximately 10

Trent Grandy read letter from John Stimac for the Northwest IAI conference. Barbara Reed needs to be at the front door during conference for registration. We need to come up with some door prizes for raffle items.

Fall educational Training: Jeff Itami recommends Firearm Familiarity Training: with emphasis on safety. Members could create their own boards during this training. This would be an outdoor live fire exercise.

Tri-Divisional Meeting of the IAI will be in Reno, Nevada in the year 2003.

The next board meeting will be planned at the NW IAI conference.

Minutes by Doug Huntsman

* * *



The annual dues for your membership in the Utah IAI are PAST DUE. So please send the application ASAP. Barbara Reed will be waiting patiently.





**New
Utah
IAI
Members**

2001

Russell Dean
Weber-Metro Crime
Scene
Investigation Unit

Jason Romney
Weber-Metro Crime Scene
Investigation Unit

Francine Bardole
West Jordan Police
Crime Scene Technician

Philip Hess
Weber State University
Student

Paul Rimmasch
Weber-Metro Crime Scene
Investigation Unit

Frank Farley
Layton Police Department
Crime Scene Technician

David Jackson
Millard County Sheriff Office
Deputy/Crime Scene/ID
Assistance

Karen Easling
Weber State University
Student

Jacqueline Barrow
State of Utah
Dept. of Public Safety
State Crime Lab



I.A.I. Pacific Northwest Division

Training Conference May 16-18, 2001

DOUBLE TREE HOTEL RIVERSIDE
2900 CHINDEN BLVD..
BOISE. IDAHO 83714

SINGLE OCC. \$82.00 TRIPLE OCC. \$102.00
DOUBLE OCC. \$92.00 QUAD. OCC. \$112.00

Plus 11% State/Local lodging tax)

*Upgrades to a pool, courtyard or river view room
may be requested - \$10 per person.

For reservations call direct (208) 343-1871
Be sure to mention PNWD-IAI

Deadline for conference rates is April 25, 2001.

PACIFIC NORTHWEST & UTAH DIVISIONS INTERNATIONAL ASSOCIATION for IDENTIFICATION

2001 Training Seminar & Conference
May 16-18, 2001
Boise, Idaho

FULL REGISTRATION: (Includes lectures, one lunch & banquet.

	MEMBER	NONMEMBER
_____ Postmarked on/before April 15, 2001:	\$100.00	\$125.00
_____ Postmarked after April 15, 2001:	\$110.00	\$135.00

PARTIAL REGISTRATION:(Please indicate which portions of the conference will be attend and the number of persons attending)

	MEM.	NON-MEM
___ Wed. Lecture (half day)	\$25.00	\$32.00
___ Thu. Lecture (lunch incl)	\$70.00	\$80.00
___ Thu. Lunch only	\$20.00	\$20.00
___ Thu. Banquet/Entertain Only)	\$35.00	\$40.00
___ Fri. Lecture (half day)	\$25.00	\$32.50
___ Postmarked after April 15 add	\$5.00	\$5.00
Total (payable in U.S. funds)	\$ _____	\$ _____

LUNCH: please mark here if vegetarian meal required _____

BANQUET choice: _____ Beef Entree
_____ Chicken Entree _____ Vegetarian Entree

***IF YOU HAVE RECEIVED APPROVAL** to attend the conference but will not have the funds prior to the preregistration deadline, you may send in this form along with a note of explanation. (this will assist in obtaining the required meal count).

Make checks payable to **PNWD/IAI** and mail completed registration to:

Betty McCarthy, Treasurer
Yakima Police Department
200 South 3rd Street
Yakima, WA 98901
(509) 576-6527
Fax: (509) 575-6007
e-mail:
bmccarth@ci.yakima.wa.us

THANK YOU!



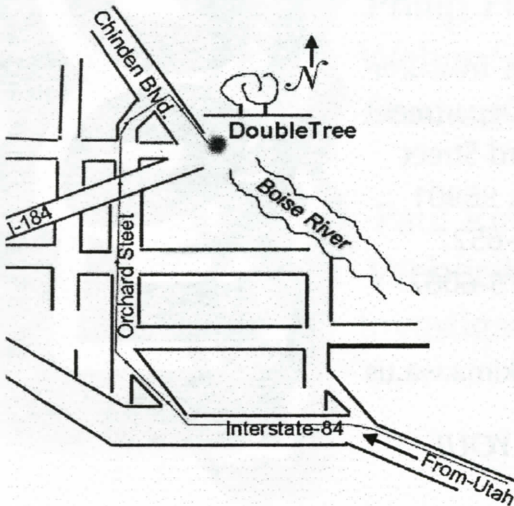


IAI Pacific Northwest Division

CONTINUATION....

It is always well advised to send in your application as soon as possible. Looking at the format of the application, one application per person attending. Make sure that your Name, agency you work for and what Division association you belong to is accompanied with the application. There will be a 10 page information packet sent to you upon your registration. Again I need to emphasize for you to send your registration in early.

James May had the opportunity to attend a meeting several months ago which was held at the DoubleTree Hotel in Boise, Idaho. His directions to get there are important and should be read carefully so you do not get lost. First there are two DoubleTree Hotels. The one you need is the Riverside Hotel, at 2900 Chinden Blvd. You are traveling North on Interstate-84 and take the second exit into Boise, which puts you on Orchard Street. Continue on



Orchard until you meet up with Chinden, make a right turn on Chinden. Get directly in the far left turn lane which will put you directly in the parking lot of the Hotel after the left turn. []

PNW & UTAH IAI BOISE 2001

Conference Date, Time, and Structure: May 16-18, 2001

Wednesday, May 16: To allow for travel time, the conference/lecture/workshops begin at 1:00 p.m. Events conclude at approximately 6:00 p.m. Presidents reception at 7:00 p.m.

Thursday, May 17: Conference/lecture/workshops begin at 8:00 a.m. Events conclude at approximately 6:00 p.m. Formal Banquet at 7:00 p.m.

Friday, May 18: Conference/lecture/workshops begin at 8:00 a.m. To allow for travel time, the conference concludes at 12:00n.

Tentative Presenters.

Pat Werthiem, Dave Grieve, Steve Meagher, Bob Moran, Kevin Patrick, Jeff Itami, Idaho State Crime Lab, Bill Haglund.

Registration Fee.

Full conference registration includes lectures, one lunch and Banquet, for both Utah and PNW IAI Division members.

ADDITIONAL CONFERENCE & REGISTRATION INFORMATION WILL BE FORTHCOMING.



The Bulletin Board

Pacific Northwest & Utah Divisions I.A.I Educational Conference & Seminar

May 16-18, 2001

Various Instructors
Double Tree Hotel Riverside
Boise, Idaho

Cogent Users Conference

by Invitation

June 26-29

England

London,

**Send us your training classes and we will be glad
to publish the dates on the Bulletin Board**



The International Association for Identification

Utah Division of I.A.I.

Chartered 1989

West Valley City Police Department
Forensic Services Unit, % L.A. Burns
3600 South Constitution Blvd..
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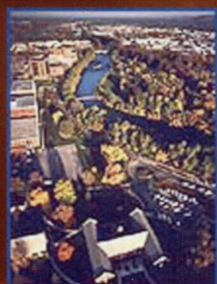


COLE, JASON
SANDY P.D.
10000 SO. 170 W.
SANDY, UT. 84070
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Pacific Northwest Division
&
Utah Division
International Association for Identification



**Educational
Conference
& Seminar**

MAY 16-18, 2001

BOISE 2001

PNW & Utah IAI BOISE 2001

Conference Date, Time and Structure: (May 16-18, 2001)

Wednesday, May 16: To allow for travel time, the Conference/Lecture/Workshops begin at 1:00pm. Events conclude at approximately 6:00pm. President's Reception at 7:00pm.

Thursday, May 17: Lecture/Workshops/Conference begin at 8:00am. Events conclude at approximately 6:00pm. Formal Banquet at 7:00pm.

Friday, May 18: Lecture/Workshops/Conference begin at 8:00am. To allow for travel time, the conference concludes at 12:00n.

Tentative Presenters

- Pat Werthiem - any topic (Scotland case/Ridgeology/etc.)
- Dave Grieve (IAI & Illinois State Police) - Identification Ethics/ASCLD preparation
- Steve Meagher (FBI) - The ACE-V Identification Process
- Bob Moran (FBI) - Pre-Training for the 10-Print Technician for Advancement to the Latent Field
- Blood Spatter lecture/workshop instructed by Kevin Patrick, Utah State Crime Lab
- Basic Crime Scene Management, Protection and Search lecture/workshop instructed by Jeff Itami
- Crime Scene Photography lecture/workshop presented by the FBI.
- Idaho State Lab - DNA at the Crime Scene
- Bill Haglund - Anthropology (buried bodies/skeletons)

Presenter (lecture/workshop) ideas are still being accepted.

Please forward any lecture/workshop ideas to either Jon Stimac (541-388-6150 jon.stimac@state.or.us) or Jeff Itami (801-743-5803 jitami@co.slc.ut.us).

Conference Site

This conference will be held at the **Doubletree Hotel-Riverside** (208-343-1871) in Boise, Idaho.

Rooms have been blocked for May 15-17, 2001.

Single Occupancy: \$82.00
Double Occupancy: \$92.00
Triple Occupancy: \$102.00
Quad Occupancy: \$112.00

Rooms should be reserved prior to April 25, 2001
(please mention the PNW/Utah IAI)

Registration Fee

Full conference registration (includes lectures, one lunch and Banquet) for both Utah and PNW IAI Division members will be \$100.00 (\$125.00 for non-members).

ADDITIONAL CONFERENCE & REGISTRATION INFORMATION WILL BE FORTHCOMING



DOUBLETREE HOTEL • BOISE • RIVERSIDE

2900 Chinden Blvd. • Boise, ID 83714 • Dial Direct: (208) 343-1871 • Fax: (208) 344-1079
<http://www.doubletreehotels.com> • APOLLO • SABRE • SYSTEM ONE • WORLDSPAN • CHAIN CODE: DT

LOCATION

Set on the picturesque banks of the Boise River, Doubletree puts you just one mile from the city center and ideally near golf courses and the popular Bogus Basin Ski Area. Our complimentary airport courtesy transportation is readily available for the short 15-minute trip to and from the airport.

ACCOMMODATIONS

Our two-floor hotel offers 304 comfortable guest rooms, including 35 accommodating suites and attractive landscaping. Conveniences begin with prompt and courteous bell staff, laundry/valet and room services.

SERVICES

Guests enjoy conveniences like free parking, the gift shop, mail/package handling and fax capabilities. Upon arrival, guests are treated to the exclusive Doubletree greeting—a warm welcome from our friendly staff and freshly baked chocolate chip cookies.

DINING & ENTERTAINMENT

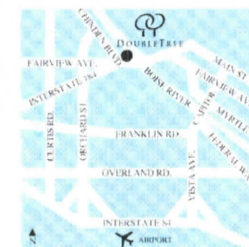
Pacific Grill & Smokehouse serves up a great Sunday brunch. Enjoy the convenience of our poolside snack bar and casual, all-day dining at the Coffee Garden. Later, unwind in the relaxed atmosphere of our Quiet Bar or stir things up at Club Max.

RECREATION

Work out at our windowed Sandbar Fitness Center, and treat yourself with our jacuzzi and sauna. Swimmers and sunbathers rejoice in our outdoor pool, set amidst a pleasant tree-lined setting. If you'd rather be off and running, there's the adjacent Greenbelt jogging Path. There's nearby horse racing, too, at Les Bois Park.

SURROUNDING ATTRACTIONS

Boise Towne Square Mall satisfies shoppers while sightseers take in the Western Idaho Fairgrounds, the State Capitol and Boise State University. Business professionals appreciate having Hewlett-Packard, Morrison-Knudsen, Boise Cascade and J.R. Simplot Co. nearby.



DOUBLETREE
HOTEL
BOISE • RIVERSIDE
1-800-222-TREE