

The International Association For Identification  
Utah Division of I.A.I.

*Chartered 1989*

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# NEWSLETTER

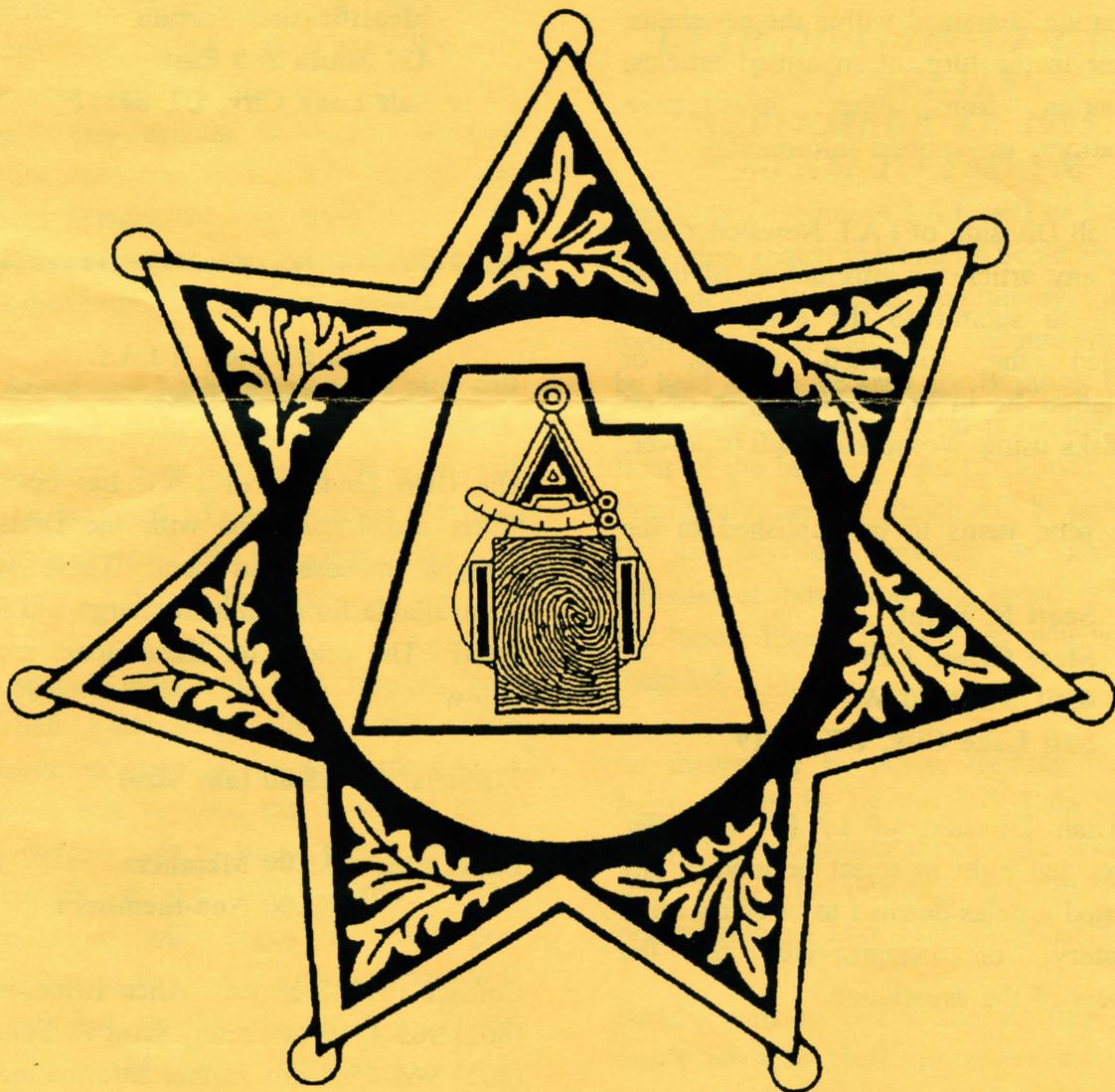
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FALL EDITION

1995

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*Alice Erickson*  
1995 President

*Richard L. Wright*  
1995 Vice-President

*Deborah Herrera-Parkin*  
1995 Treasurer

*Arthur Terkelsen*  
1995 Secretary

The Utah Division of The International Association for Identification is a chartered division of The International Association for Identification since 1989.

The Utah Division of I.A.I. Newsletter is published four times a year during the Spring, Summer, Fall, and Winter. The information contained within the newsletter is either in the form of submitted articles, information from other investigative publications, or reported information.

The Utah Division of I.A.I. Newsletter will accept any article or information of those wishing to submit to the editor. It is requested the submitted articles or information be in typewritten form or on 3.5" disks using Wordperfect 6.0 or lower.

Please send items to be published to the editor:

**Scott R. Spjut  
State Crime Lab  
4501 So. 2700 W.  
Salt Lake City, UT 84119**

The Utah Division of I.A.I. Newsletter reserves the right to reject or modify any submitted articles deemed to be slanderous, derogatory, or inappropriate for the members of the association.

The annual membership dues to the Utah Division of I.A.I. are currently \$10.00 per membership, or \$200.00 for a lifetime membership. Dues can be mailed to:

**Utah Division of I.A.I.  
Ms. Deborah Herrera-Parkin  
Salt Lake County Sheriff's Office  
Identification Section  
437 South 200 East  
Salt Lake City, UT 84111**

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**Utah Division if I.A.I.  
Insignia Items**

The Utah Division of I.A.I. has both T-Shirts and Lapel Pins with the Division Insignia embossed on them. These items are available for a minimal charge and look great! The prices for these items are as follow:

- T-Shirts        \$8.00 (any size)**
- Lapel Pins     \$3.00 Members**
- \$5.00 Non-members**

Contact 1995 President, Alice Erickson at (801) 965-4569 or Editor, Scott R. Spjut at (801) 965-4501 for further information or to purchase these items. Likewise, we will have both available at the Division Fall Meeting.

**PRESIDENT'S MESSAGE**

GREETINGS!!! It's time again for the newsletter. I hope that all is well with each of you. Things have been busy for me this summer as I'm sure they have been equally busy for you. With September almost here it is once again time for our Fall meeting. We will be meeting on Wednesday, September 13th at Salt Lake Community College here in Salt Lake City. We will begin our business meeting at 9:00 am sharp. Our agenda includes: electing officers, reports from Jeff Itami and Richard Wright on their trips to the IAI Conference in July, new membership cards and other important business matters.

The brand new Utah Division IAI pins will be for sale along with hats and t-shirts. Membership dues for the 1996 year will also be accepted. Lunch will be provided by Utah Division IAI and door prizes will be given out during the day.

Our special guest will be a speaker from the Salt Lake Area Gang Unit. The presentation given at the April meeting in Fillmore was so good that I wanted those who weren't able to attend then to be able to benefit at the Fall meeting. The presentation will begin at 1:00 pm. Directions to the SLCC meeting room will be included in this newsletter. Please RSVP by Monday, September 11 to Richard Wright or Scott Spjut at 965-4501 or me at 965-4569.

I am grateful for the opportunity to serve as President this year and look forward to the rest of a great year. Please feel free to contact me for any questions, concerns or suggestions that you have. See you on September 13th!!!!

**Alice Erickson - 1995 President**

**UTAH DIVISION OF I.A.I.  
FALL MEETING  
SEPTEMBER 13, 1995  
9:00 AM TO 5:00 PM**

The Utah Division of I.A.I. will be holding their semi-annual meeting on September 13, 1995 at the Salt Lake Community College Redwood Road Campus. The meeting will be held in the Technology Building (T.B.) in room #209. This room is on the main floor of the building. As mentioned in the President's message, lunch will be provided by the Division however we need an estimate of those who will attend to order the food. Please R.S.V.P. so you will be included!

As mentioned by Alice, training for the meeting will be by the Salt Lake Metro Gang Unit Representatives. In addition, Jeff Itami is planning on giving a presentation on Live Scan Fingerprinting.

Parking will be free at the meeting (**Just don't park in staff spaces or handicap areas!**). See the attached map of the campus on directions of the location of the Technology Building.

## FORENSIC SCIENCE NEWS

The following news story was originally published in The Salt Lake Tribune Sunday, August 20, 1995 by David Clifton.

### Firm Sticks Its Fingerprints Into Everybody's Business

Employees at Roger Hamblin's three Taco Bell franchises in Salt Lake County might find it hard to have another worker punch the time clock for them.

International Automated Systems of American Fork is selling Hamblin a new fingerprint scanning system for his three restaurants. The Automated Fingerprint Identification Machine does away with the "honor" system of punching a card in a clock, says IAS spokesman Chris Taylor.

Instead, workers are issued plastic cards with a metallic strip on the back that contain a digitized code of their fingerprint. The code contains information about the contours and curves of the print.

When the employee checks in for work, the same finger scanned for the card is placed on a special lens that sends the image to a computer within the unit. The digitized card then is swiped through the machine. If the code and print matches, the time clock is activated. However if you put the wrong finger on the lens or try to pass off a photocopy of the fingerprint the machine won't work, says Taylor.

"The unit is heat-sensitive, so a copy of a print won't pass," he says. "There's no

way to cheat."

That is good news to Hamblin who is spending between \$2,500 and \$5,000 on the identification system. He says employees who claim to be on-the-clock, but aren't, cost him a significant amount of money.

The fingerprint systems also will restrict access to store safes and computers. "I don't want robbers to think that every employee has access to the safe and the money," he says. "And I will know when my workers are there."

The ability to track movements of individuals also intrigued the Division of Youth Corrections. A pilot program that starts this fall in Utah County will use 10 fingerprint units to monitor juvenile delinquents on home detention, said Kit Enniss, the division's Region III Director.

The units will be installed at the juvenile's home. A central computer will call the teen and prompt him or her to check in with the fingerprint machine. If the youth fails to respond or registers bad information, counselors will be sent to the home, Enniss says.

"If this works well, then we may expand the program," he says. "But I'm not sure how it will work. Kids are pretty good at figuring ways around" tracking devices.

The division is spending about \$29,000 on

the six-month program. Most of the money was gleaned from probation, secure care, and other department budgets.

Security wasn't what IAS President Neldon Johnson had in mind when he created the fingerprint machine. He envisioned using the identification systems in automated grocery stores.

Johnson ran four automated lanes in an American Fork Ream's grocery store from 1985 to 1992, when the store closed. In 1992, Johnson opened his own store in Salem, Utah County, and tested his automated system there. But Customers found it cumbersome since there was only one central cashier for 12 check-out lanes. Johnson closed the store in 1994, bent on finding a way for customers to automatically pay for groceries.

With the development of the Automated Fingerprint Identification, Johnson has broken ground on UCheck, an automated store in Salem. Customers still will scan their own groceries, but they will pay by specialized check or credit card using the fingerprint unit.

Johnson is betting the Automated Fingerprint Identification Machine, coupled with a chain of automated grocery stores, will solidify the continued success of IAS.

## TECHNICAL TIDBITS

### Firearm Ammunition

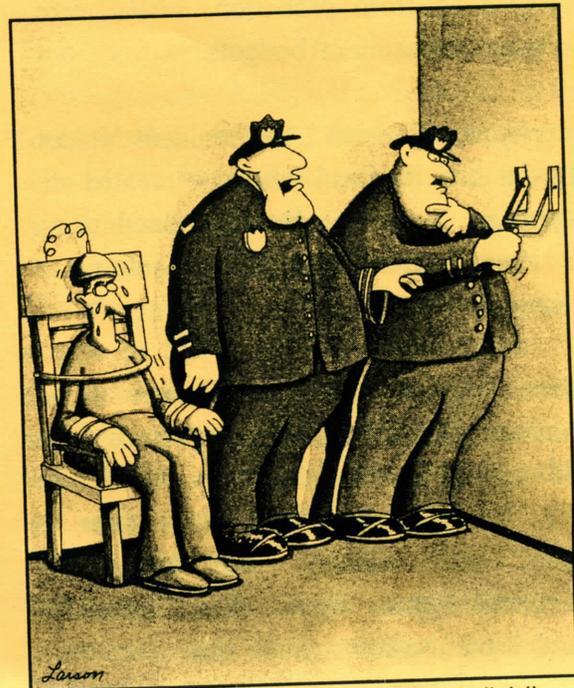
When submitting firearms to the State Crime Lab, it is recommended that accompanying ammunition not be removed from a magazine or clip if the ammunition is to be fingerprinted. There have been several instances where the ammunition has been removed from a magazine and packaged either individually or collectively in a bag or envelope. This has a detrimental effect to the potential latent prints which may be on the individual bullets. If a loaded magazine is recovered as part of an investigation, the likelihood of developing comparable latent prints is greatly increased if the bullets remain in the magazine until chemical processing can be done. There have been numerous fingerprint cases processed by the State of Utah Crime Lab where a single live bullet from the investigation is the link between the crime and the suspect. These instances have occurred only when the ammunition is submitted in the magazine and not removed.

### Avoiding Spray Paint

Often times during an investigation of drive-by-shootings or cases involving evidence spread out on the road investigators will mark the location of evidence with spray paint. Depending on the type of evidence and the desired applied analysis to that evidence, the use of spray

paint can easily damage the evidence. For instance, using spray paint to circle or outline spent casings has the potential to destroy latent prints, firing pin impressions, and extractor marks. Likewise, using spray paint can contaminate blood stained items and inhibit possible blood analysis should it be needed for the investigation. A recommended approach is to use outline chalk or similar type of marking devices. These can assist the investigating officer in defining the scene, and protect potentially important evidence for further analysis.

**AND FINALLY...**



"The contact points must be dirty . . . just click it up and down a few times."

**REQUESTS FROM THE EDITOR**

The information contained in the Utah Division of I.A.I. Newsletter is for the use of all the members to assist them in combating crime and effectively processing crime scenes. The editor is requesting the membership to please submit any items to him for publishing in the newsletter. These could include simple items for the Technical Tidbits section, Actual Case Stories, problems within the scope of law enforcement, complaints about the Division or suggestions for the benefit of its members. Any items which you may feel would be beneficial to the Division Members would be appreciated!

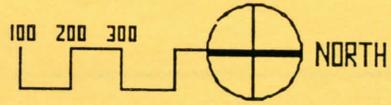


"So once they started talking, I just remained motionless, taking in every word. Of course, it was just pure luck I happened to be a fly on the wall."

# Redwood Road Campus

2200 West

- AD Administration Bldg.
- AT Automotive Bldg.
- ATC Applied Technology Center
- BB Business Building
- CC College Center (Student Union)
- CT Construction Trades Bldg.
- LS Child Development Lab School
- PC's Portable Classroom Bldgs.
- TB Technology Building



- 1 = Art House
- 2 = Center for Business and Economic Development
- 3 = Information Kiosk
- 4 = Jordan Irrigation Canal
- 5 = Athletic Complex
- 6 = Heating Plant & Shops
- 7 = Playing Fields
- 8 = LDS Institute of Religion

