



# NEWSLETTER

## California Association of Criminalists

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MARCH 1979

### SPRING SEMINAR

The Spring Semi-Annual Seminar is scheduled to be held May 9-12 at the Royal Inn of Point Loma in San Diego. By now, everyone should have received at least one announcement of the meeting and a call for papers.

The tentative program is as follows:

- Wednesday, May 9, evening - Board meeting
- Thursday, May 10, 9-4 - Technical program
- 4-4:30 - Business meeting
- Friday, May 11, morning - Technical program
- afternoon - Business meeting
- evening - Banquet
- Saturday, May 12, morning - Special program - A discussion of the San Diego air disaster.

Please note that an ethics charge is scheduled to be heard at this meeting. Following the usual policy, the charges will be introduced at a short business meeting on Thursday afternoon. Documentation and exhibits pertaining to the charges will be available for member review on Thursday evening. Formal discussion and disposition will be at the regular Friday afternoon business meeting, May 11. If these charges are to be heard, it is imperative that we achieve a quorum at the business meetings. Members who can not attend the seminar should be sure to assign their proxy to an attendee.

### ANNOUNCEMENTS

#### 1. Grant for Study of Rape Evidence

The Oakland Police Department Criminalistics Laboratory in collaboration with Ed Blake and George Sensabaugh has received a grant from LEAA to continue studies on semen evidence in rape cases. One phase of this study is a comprehensive analysis of the expression of secretor status in reproductive tract secretions. It would be greatly appreciated if each member laboratory would provide Jan Bashinski with information on the ABO and secretor types of their laboratory personnel; where available, ABO subtyping information should be provided.

#### 2. Biology Methods Manual

The Metropolitan Police Laboratory has prepared a manual of methods used in the examination of biological materials. It is very much a recipe book; there is relatively little background or critical interpretative data. The manual is 550 pages, 8-1/2 x 11 copy. Copies may be obtained for \$10 plus \$1 postage by writing The Director, Metropolitan Police Forensic Science Laboratory, 109 Lambeth Rd., London SE1 7LP, England. Make checks payable to "The Receiver," Metropolitan Police District.

#### 3. For Sale

Varian X-Y Recorder. Model F100. Magnetic 8-1/2 x 11 Platen (Paper Surface). Production Prototype #2. Very limited use. Excellent condition. Retail \$1100; \$300 or best offer. John DeHaan (916) 925-4302 (home).

### NEWS FROM THE STUDY GROUPS

#### Northern Serology

The January meetings were hosted by Dorothy Northey of the Contra Costa Lab. The topics of discussion were rape protocols and certification. A film prepared by Abbott Labs on the treatment of rape victims in the emergency room was shown. The implications of the implications of the new state rape protocols were discussed; many labs will find it necessary to revise their rape kits. The meeting was attended by a number of Brian Waxall's serology class. There was no meeting in February due to the Academy meeting. The March meeting was devoted to certification issues, principally to a discussion of relevant and appropriate qualifications persons must have to be eligible for certification. The meeting was hosted by Lance Gima of the Santa Rosa Lab.

#### Southern Serology

The January meeting discussed the biochemistry, the function, and genetics of red cell acid phosphatase. At the February meeting, a biochemist from Cal State Fullerton was brought in to discuss basic biochemistry of the enzyme markers; the talk was well received. The March meeting was given over to a discussion of certification issues in serology. The main focus of discussion was certification standards and the prerequisites that must be met to be certified. Gary Sims is taking over for Gary Siglar as group coordinator.

#### Southern Drugs

This group recently formed under the leadership of Ken Goddard. The second meeting is scheduled for April at which methods for PCP analysis will be discussed. Ken has collected PCP methodology from 8 southern region labs. A compendium of methods on the analysis of amphetamines has been prepared; the compendium (one per lab) may be obtained from Jim White. With Ken's leaving to U.S. Fish and Wildlife, Duane Mauzey is taking over the coordination of the drug group.

#### Southern Arson/Explosives

The group thus far has discussed comparative methodologies in arson analysis. At the April meeting (Grace Fitzpatrick, Chairman) gasoline and other petroleum distillates are to be passed out to be analysed by each lab; the results will be compared at the June meeting.

#### Northern Firearms

At the December meeting, John Murdock reviewed the FBI firearms discharge residue class. In January, the central topic was certification. The meeting was well attended and there was a good exchange of ideas. The February meeting focused on trace metal detection patterns given by firearms and other metal objects. John DeHaan showed a number of slides comparing gun handles and TMD patterns on hands. Some tests were run at the meeting. The next meeting will be on forensic photography hosted by Chuck Morton.

#### Southern Firearms

The December meeting focused on certification. John Davidson received a good response to the firearms questionnaire and the results and discussion were passed on to Al Biasotti, our representative on the national firearms peer body.

*Handwritten note:*  
Send for this 11 Apr 79

## UPDATE ON CERTIFICATION

[From Jan Bashinski, our representative to the National Criminalistics Certification Study Committee]

The eighth meeting of the Criminalistics Certification Study Committee (CCSC) was held in Atlanta on February 10-11, 1979, just prior to the American Academy meeting. Joe Peterson reported at this meeting that, although final approval has not yet been received for the FSF application to LEAA, he is confident that funds will be available in this coming year to complete the work of the CCSC and the Peer Group sub-committees in Firearms, Serology, and Drugs/Tox.

The representatives from the regional organizations reported on progress within their groups regarding certification since the last meeting in Emeryville. Following the example of the CAC, the Mid-Atlantic Association has created sub-committees to provide input into the national Peer Groups. The Southern Association generated considerable interest in certification through their efforts to obtain nominees to the national groups, and the Florida Guild has been working on minimum standards in serology. The Northwest and Mid-west have not set up any mechanism for obtaining input from their groups, except through the representation of their nominee on the national peer group. All of the groups had selected nominees for the national peer groups and had brought resumes for the CCSC to consider.

Don Flynt reported on efforts to organize a Southwest Association, which would represent Oklahoma, Texas, Arizona, and New Mexico. The CCSC indicated that consideration would be given to placing representatives of this group on the national Peer Groups when and if the SWAFS is formed.

Dick Janelli reported on the progress which the national Peer Group on Firearms (AFTE) has made. There have been some misunderstandings on the AFTE committee, largely related to semantics. Confusion existed as to whether or not it is considered appropriate for members of the Peer Group to seek input from other practitioners or groups during the developmental stages of their work, as Al Biasotti has done with the CAC. The consensus on the CCSC was that such input was very desirable and should be welcomed, but should not be permitted to bog down the progress of the Peer Group. Written work products of the committee should be regarded as tentative and should not be given widespread distribution, although discussion of these proposals in groups such as the CAC is considered quite proper. Dick Janelli also mentioned a proposal of particular interest to the CAC which would permit both experience and education to be considered on a sliding scale and would allow more flexibility in setting the basic requirements for certification in firearms.

Tom Kubic reviewed the By-laws draft with the group and indicated the By-laws are essentially ready to be presented to the Criminalistics Community for a vote next Fall. One important provision would require all voting members, such as the CAC, to be tax-exempt non-profit corporations.

The CCSC next considered nominations from the regions and selected the Peer Group in serology. Bud Stuver was selected to act as liaison between this committee and the CCSC.

CAC	George Sensabaugh (alt. Ed Blake)
MAAFS	Glen MacWright
MWAFS	Mark Stolorow (alt. Gary Howell)
NEAFS	Henry Lee
NWAFS	Donald MacLaren (alt. Ann Bradley)
SAFS	Bud Stuver (alt. Jan Estes)

Since it was as yet undetermined whether the CCSC would be certifying in drugs/toxicology or in drugs only, two slates of nominees were selected for that Peer Group. Jack Cadman and Tom Kubic were scheduled to meet with the American Board of Forensic Toxicology after the Academy meeting to see if the ABFT is willing to accommodate the many criminalists without doctor-

ates who are practicing toxicology for this group. The final composition of the Peer Group will depend on the outcome of these discussions.

### Drug Committee:

CAC	Cecil Hider (alt. Jim White)
MAAFS	James Moore
MWAFS	to be selected later
NEAFS	Alex Stirton
NWAFS	William Marshall (alt. Daryl Brender)
SAFS	Taylor Noggle

### Drug/Toxicology Committee:

CAC	same
MAAFS	Jane Speaker
MWAFS	to be selected later
NEAFS	Robert Herrman
NWAFS	same
SAFS	none

Stan Sobol was designated to be the liaison between the CCSC and the drug Peer Group.

Since no funds will be available in the coming year for the trace peer group, no selections were made from nominees from the regions. The CCSC stressed the importance of the creation of trace peer group sub-committees in the regions. This particular area will be the most difficult to construct examinations for and these regional committees will be in a good position to get a head start on the problem for next year.

I reported for the sub-committee on Guidelines for the Peer Group Sub-committees. The CCSC discussed the proposed Guidelines, which are designed to guide the Peer Groups so that their work will fit into the larger framework being designed by the CCSC. The guidelines adopted by the CCSC will be distributed to the Peer Group committees. I have sent copies in addition to the CAC Peer Groups for their guidance. A copy is attached to this report. The CAC groups should follow these guidelines so that their approach will be compatible with the direction of the national groups.

Joe Peterson presented some preliminary budget figures in an effort to estimate the fees which might be required in a certification program. The figures were all tentative, since much of the potential cost will depend on what types of testing are recommended by the Peer Groups. It also appears likely that there will be periodic re-certification fees. The final package presented for a vote will include cost estimates.

As decided at the last CCSC meeting, there will be two meetings of the peer groups between March and June and the final proposals of the national peer groups will be considered by the CCSC at our next meeting on August 2. At this August meeting in Chicago, the CCSC will prepare a complete package on proposed certification which will include by-laws for a certification Board, cost proposals, proposed requirements for certification, sample examinations. After an opportunity for discussion of this proposal at the Fall regional meetings, a mail ballot will be conducted nationwide.

Included in the package will be a synopsis of the work of the CCSC, including such subjects as definitions, possible benefits of the program, history of CCSC deliberations, how peer groups were selected, and what guidelines they were given. I have been given the task of preparing a draft of this document for the CCSC to consider in August.

FORENSIC SCIENCES FOUNDATION EDUCATION AND TRAINING

PROGRAMS

The Foundation is expanding its activities in the area of continuing education and training programs and solicits your advice in creating and bringing these programs to the nation's science and law communities. Many of you have expressed the desire to assist the Foundation in new program development and we would like to take advantage of your expertise and foresight in planning these activities. We hope you will provide us both with your personal recommendations as well as those suggestions of your colleagues as to current education/training needs in the field and the types of workshops or conferences that would be most favorably received by the profession.

Please keep in mind that we also are interested in expanding the awareness and understanding of other professionals in the justice system in the services available from the forensic sciences. Such programs would be directed toward judges, prosecutors, defense attorneys and police officers who interact regularly with you and your staffs.

As you are aware, the Foundation relies heavily upon LEAA/NILECJ funding to support its current training and research projects. With anticipated cutbacks in total LEAA monies and reductions in their support of forensic science projects it is mandatory for FSF to develop a program plan which is not exclusively dependent upon federal dollars. We believe that the Foundation can provide significant contributions to the field and achieve some measure of financial security by coordinating workshops and conferences which address the needs of both the providers and users of forensic science services.

We presently have three projects in preparation; the first, a workshop on office copying machines to be lead by Jim Kelly, Chief Document Examiner of the Georgia Bureau of Investigation. The second concerns the proper use of physical evidence field test kits which is aimed primarily at police training officers and those who instruct other personnel in the use of such kits. The third, is a joint conference with the National District Attorneys Association which will bring prosecutors and other trial attorneys up-to-date on the state-of-the-art in all forensic disciplines.

The Foundation would appreciate input on needs for additional workshops. Please suggest workshop topics and include a brief description, the intended audience, and potential instructors. Send your suggestions to: Ira Silvergleit, The Forensic Sciences Foundation, 11400 Rockville Pike, Rockville, Maryland 20852.

Information on the three upcoming workshops is below.

1. Office Copier Workshop

The course, designed for forensic document examiners, will incorporate timely and practical information on this relatively new area of questioned document work.

The workshop will instruct examiners in the classification, differentiation and dating of office copiers from various manufacturers. Techniques used to distinguish and identify the various models of each manufacturer will be taught, along with methods of establishing a reference file and matching an unknown copy to a specific copier. Emphasis will be placed on class versus individual characteristics of office copiers.

Mr. James Kelly of the Georgia Bureau of Investigation will serve as the principal investigator.

Tuition is \$75 per person and participation is limited to the first thirty (30) applicants on a first come, first serve basis.

The workshops are scheduled for the following locations and dates:

Washington, D.C. area	March 1-2, 1979
Lansing, Michigan	May 7-8, 1979
Los Angeles, California	July 16-17, 1979

For further information, applications, lodging and a list of recommended readings, please contact Ira T. Silvergleit, Workshop Coordinator, Forensic Sciences Foundation, 11400 Rockville Pike, Suite 515, Rockville, Maryland 20852. Telephone (301) 770-2723.

2. Physical Evidence Field Kits Workshop

This two-day workshop is geared to police academy and field level instructors and their supervisors responsible for teaching new recruits and/or updating experienced officers on the proper uses of physical evidence field test kits. The course will include latest methods for testing physical evidence in the field, the theoretical underpinnings and capabilities of such techniques and the opportunity to compare alternative commercially available procedures.

Strong emphasis will be placed on how to instruct officers on the use of physical evidence field test kits. Among the kits included will be those for testing evidence associated with rape, alcohol (breath, blood and urine), opiates, marijuana and cocaine.

The workshop will incorporate lectures, demonstrations and "hands-on" practical sessions. Techniques designed to safeguard against accidental spills and deterioration of reagents will be highlighted. Both theoretical and practical considerations determining the limitation of false-positive and false-negative results will be reviewed for each kit. Participants will have the opportunity to apply lecture material to commercially available test kits.

Manufacturers of test kits will be invited to present and demonstrate their products during the final session.

Certificates of completion will be awarded to participants at the close of the workshop.

Mr. J. Tobin, Jr., Chief Chemist of the Maryland State Police Crime Laboratory and Dr. Henry Freimuth, Professor of Chemistry at Loyola College, Baltimore, Maryland, will instruct the workshop.

Tuition is \$135 for advanced registration. Participation is limited on a first come, first serve basis to the first thirty (30) applicants.

The workshop will be held at the Ramada Inn, Baltimore on April 17-18, 1979.

For further information and applications, please contact Ira T. Silvergleit, Workshop Coordinator, Forensic Sciences Foundation, 11400 Rockville Pike, Suite 515, Rockville, Maryland 20852. Telephone (301) 770-2723.

3. First National Conference on Forensic Science

Sponsored jointly by the National District Attorneys Association, the American Academy of Forensic Sciences, and the Forensic Sciences Foundation, September 30 - October 4, 1979, Snowmass, Colorado. The conference will include both state-of-the-art reviews and workshop sessions in each area of special interest in the trial of a criminal case. The final day will feature mock trial scenario in which scientists will undergo voir dire, direct and cross examinations. Forensic science experts from across the nation will be available for questioning.

Contact: National Institute Director, National District Attorneys Association, 666 Lake Shore Drive, Suite 1432, Chicago, Illinois 60611. Telephone (312) 944-4610.

#### ANNOUNCEMENT ON JOURNAL POLICY

[From R.E. Stockdale, Editor, Journal of the Forensic Science Society]

Short Papers and Miscellany are two new sections which I plan to introduce into the Journal in Volume 19 this year. The existing Articles, Reviews, Abstracts, Announcements, and Correspondence sections continue unchanged.

The new sections will extend the scope of the Journal and explore the need for communication of ideas and information through papers which perhaps do not fit readily into any of the already well established categories. I hope that the creation of these new categories will stimulate potential authors who thus far have felt some reluctance to present their work by virtue of its limited scope and length.

Authors are invited to submit material for inclusion in the new sections commencing with Volume 19 currently in preparation.

#### Short Papers

This section is designed for communications of limited length and scope in which a significant but restricted treatment of a subject does not warrant publication as a full-length research paper. Short Papers will be subjected to scrutiny by referees in the normal way and will not therefore differ from papers published in Articles in either quality or standards of preparation.

Short Papers should be prepared in the same way as full-length papers according to current Journal convention described in 'Instructions to Authors'. (Copies of these Instructions are available from the Society's office.) In general Short Papers should not be more than 1000 words in length and illustrated by not more than two figures.

#### EMPLOYMENT EXCHANGE

##### 1. Positions Open - California Department of Justice

Two criminalist positions at Riverside Lab, possibly one elsewhere. Also a technician position for Santa Barbara. For further information contact Keith Smith, State of California, Department of Justice, Sacramento.

##### 2. Position Open (Tentative) - Nebraska Crime Lab

Serologist/hair/fibers. B.A. or B.S. required; M.S. preferred. Salary depends on qualifications. For further information, write Lt. H. Moon, Nebraska State Patrol, 14th and Burnham, Lincoln, Nebraska 68502.

##### 3. Position Open - Mercy College of Detroit

Mercy College of Detroit has an opening for an individual with a strong background in analytical chemistry and forensic science to act as Coordinator for our Forensic Science Program and to teach forensic science and chemistry courses. This is a tenure track position, starting August 15, 1979. Applicants should send a resume, graduate transcripts, and three letters of recommendation to: Dr. Jeffrey D. Benson, Chairman, Physical Science and Mathematics Department, Mercy College of Detroit, Detroit, Michigan 48219, by May 15, 1979.

##### 4. Position Open - Huntington Beach

Chief Criminalist position. Requires Bachelor's degree in Criminalistics or a related physical science and four years experience in a crime laboratory. Supervisory and training experience is preferred. Further information and applications can be obtained from the Personnel Department, City of Huntington Beach, 2000 Main Street, Huntington Beach, California 92648.

#### Miscellany

Not a long-stop to field material missed by the other sections but I hope that Miscellany will develop as a category in its own right providing the means of communicating urgently matters of technical importance. The appearance in case-work of an unusual textile-fibre or novel fibre blend, recipe for an improved buffer solution, an observation which although significant has not at the time received more detailed investigation - three examples of areas in which valuable information is generated but for one reason or another seldom broadcast outside our own laboratories.

Contributions to this section should not exceed 300 words and, unless the Editor can be persuaded otherwise, will not as a general rule be illustrated. Each contribution must carry a title which should be informative but concise, followed by the name and address of the author. The printed layout of this section will be somewhat like that found in the existing Reviews section.

##### 5. Position Open - Indianapolis Police Department

Forensic Serologist II. Requires Bachelor's degree in Chemistry or Biological Science. Salary: \$13,000 per year. Biological fluid analysis especially pertaining to rape investigation, blood analysis and typing; possible trace evidence analysis of hairs & fibers. Court testimony as an expert witness. Send inquiries and/or resumes to: Lt. John Mann, Crime Laboratory Supervisor, Indianapolis Police Department, 50 North Alabama Street, Indianapolis, Indiana 46204. Telephone (317) 633-7870.

##### 6. Position Open - Northwest Indiana Criminalistics Toxicology Lab

Firearms and Toolmarks Examiner. Requires prior experience and court qualification in field. Salary range \$16,000 - \$25,000; inquiries and/or resumes may be addressed to: Dr. Michael E. Caplis, Director, NICTL, 540 Tyler Street, Gary, Indiana 46402.

##### 7. Job Wanted - Stanley Winters

B.S. in biology-chemistry (1976); graduate work at Stanislaus State in progress. Experience as nuclear medical technologist employing RIA and in vivo gamma imaging. Contact at 4655 Williams Road, Modesto, California 95351. Phone (209) 545-0864.