



NEW LETTER California Association of Criminalists NEW JOURNAL

OFFICERS 1977-78

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PLEASE DIRECT CORRESPONDENCE
TO THE APPROPRIATE OFFICER

APRIL 1978

I. Semi-Annual Seminar

- A. The Spring 1978 Seminar will be hosted by the San Bernardino Co. Crime Lab. in new convention facilities at Big Bear Lake. The seminar dates are May 11, 12, and 13. Contact John Davidson for further information. (The program is enclosed).
- B. The Fall 1978 Seminar will be hosted by the San Mateo Co. Sheriff's Office at the Royal Coach in San Mateo October 19 through 21. Contact Paul Dougherty for further information.
- C. Bob Ekhaml is planning to arrange the Spring 1979 Seminar in San Diego.

II. Announcements

- A. The next CAC Board Meetings will be at the Institute of Forensic Sciences on April 15, 1978 and at the Big Bear Seminar on May 10th.
- B. The next newsletter will be prepared by the new Secretary to be elected at the next business meeting. The deadline for sending your inputs will probably be around June 16th. Your inputs can help make this a more useful publication.
- C. The April Southern Section meeting will be held in Training Room B at the Huntington Beach Police Department, 2000 Main Street (map enclosed) on Thursday, April 20, between 6:00 PM and 7:30 PM. We will meet at the front lobby of the station between 5:45 PM and 6:00 PM before the meeting. The meeting will consist of a discussion of the amphetamine analysis procedures submitted by many of the laboratories.

II. (Cont'd)

- D. The purpose of the CAC Southern Section Serology Study Group is to resolve current problems experienced among Southern California criminalists performing forensic serological examinations, rather than a training forum in forensic serology. All other criminalists, however, are cordially invited to attend any or all of our monthly meetings together with the participating members. The study group meets every month on the 2nd Friday at 2:00 PM at the Orange Co. Sheriff's Dept. Criminalistics Laboratory, located at 550 N. Flower Street in Santa Ana. For further information contact Gary Siglar at (213) 974-4611.
- E. The next meeting of the Northern Section Serology Study Group is June 3, 1978, at 10:00 AM, 2507 Life Science Building, University of California, Berkeley.
- F. A standard reference collection of 20 different animal spermatozoa mounted and stained for microscopical examination is offered by McCrone Accessories and Components, 2820 South Michigan Avenue, Chicago, IL 60616. The set consists of the following animal spermatozoa:
- | | |
|------------|----------------|
| 1. racoon | 11. chicken |
| 2. beaver | 12. guinea pig |
| 3. opossum | 13. mouse |
| 4. pig | 14. ferret |
| 5. horse | 15. hamster |
| 6. ram | 16. bull |
| 7. mink | 17. turkey |
| 8. cat | 18. deer |
| 9. rabbit | 19. dog |
| 10. rat | 20. goat |

Each set is complete with laboratory notes on a standardized method of preparation together with brief notes on specimen identification.

The sets, of which only a limited number have been prepared, are available at \$90.00 per set and are expected to be of value to forensic scientists and researchers in animal husbandry.

Further information can be obtained from Bonnie Betty, McCrone Accessories & Components, 2820 South Michigan Avenue, Chicago, IL 60616, phone: 312/842-7100.

- G. The Alameda County Sheriff's Department Crime Laboratory moved to new laboratory facilities on Saturday, December 10, 1977. As of the beginning of the business day on Monday, December 12, 1977, the Crime Laboratory will be located at:

Sheriff's Department Building
15001 Foothill Boulevard
San Leandro, California 94578

The phone number of the Crime Laboratory Business Office will be 577-1705. Calls originating from within the County Phone System may use the Tie Line prefix 888.

H. The following information was furnished by the AOAC.

WHAT DOES AOAC HAVE TO DO WITH FORENSIC SCIENCES?

Forensic scientists who examine bloodstains on stolen vehicles, fiberglass insulation on a burglar's coat, and voiceprint identification of crank callers may not normally affiliate themselves with analytical chemists testing for components of foods and drugs.

But the AOAC has done considerable work with forensics over the past several years and is interested in inviting more forensic scientists to become involved in the organization.

Bruce Given, Chief Investigative Officer for Naval Investigative Services (2461 Eisenhower Ave., Alexandria, VA 22331), is AOAC's General Referee for Forensic Sciences. Under his direction, forensic scientists are pursuing work on 24 different topics. (See box).

AOAC has held several well-attended Symposia on Forensic Sciences during its Annual Meeting in Washington, DC. Topics discussed have covered most of the items listed for study.

AOAC's 1000 page compendium of standardized methods, Official Methods of Analysis (12th Ed., 1975), has one chapter on Forensic Sciences with two officially approved methods--Latent Fingerprints, 45.001, and Characterization and Matching Glass Fragments by Dispersion Microscopy, 45.002. The volume also contains a chapter on Illicit Drugs, with methods for heroin, 40.003, LSD, 40.006, and marihuana, 40.010.

Associate Referees in the Forensic Sciences represent a cross section of federal, state, and private forensic labs. The FBI, Bureau of Alcohol, Tobacco and Firearms, Center for Disease Control, Michigan and New Jersey State Police, Wisconsin State, Bridgeport Regional, and Post Office Crime Labs, University of Montana, and Walter C. McCrone Associates all carry out methods work through AOAC.

And Richard Brunelle, of the Bureau of Alcohol, Tobacco and Firearms, former Forensic Sciences General Referee, is the representative to the AOAC for the American Academy of Forensic Sciences.

Yet many forensic scientists ask why it is advantageous for them to work with the AOAC.

The main reason is that AOAC has a system of validating methods of analysis which gives them "watertight integrity", as Bruce Given mentions. He is particularly impressed with the AOAC "ruggedness test."

Before an Associate Referee (AR) even sends the method out for collaborative study, he is expected to test for

The following are AOAC forensic science topics:

Alcohol in Blood
Biological Fluids
(Immunoelectrophoresis)
Blood*
Bomb Residues
Documents
Emission Spectrography
Fiber Analysis*
Fingerprints
Firearms*
Flammable Fluids
Gunshot Residues
Hair Examination
Inks
Lead and Its Stable Isotopes
Microscopic Methods
Microscopic Methods/Glass Products
Organic Mass Spectrometry
Paints (Pyrolysis GC Methods)
Paints (Spectrography)*
Safe Insulation
Soils (Geological Analysis)
Voiceprint Identification
X-Ray Diffraction of Physical Evidence*

* No Associate Referee

the effect of deviations from his proposed procedure on the end result. Then the method is sent out to at least six different labs for collaborative study. Each collaborator is sent a set of samples and an explicit procedure to follow. The AR evaluates results from all the labs and, if he is satisfied, recommends that AOAC adopt the method. It is reviewed by the General Referee and Subcommittee; if approved, it is adopted as an official AOAC method.

AOAC requires that the method and collaborative study be published in full detail in the open literature. In this way, users can check the study to ascertain the scope and limitations of the method before deciding whether to use it to solve their particular problem.

The availability of collaboratively studied methods may become increasingly important to the forensic community as physical evidence plays a larger role in courts of law. The lab tests used to present evidence, along with the testimony of experts, may come under closer scrutiny.

AOAC is interested in starting further discussions on forensic science projects. Contact Bruce Given at the above address or at 202/325-9449 if interested in any topics.

III. Association Business

A. The following is an addition to the CAC Salary Survey.

<u>DEPARTMENT/POSITION</u>	<u>Number</u>	<u>Minimum Education</u>	<u>Minimum Experience</u>	<u>Monthly Salary Range</u>
Los Angeles Medical Examiner-Coroner				
Head Toxicologist	1	Ph.D Degree	4 yrs	2158-2682
Supervising Toxicologist	1	BA/BS Degree	3 yrs	1640-2043
Senior Toxicologist	1	BA/BS Degree	2 yrs	1469-1830
Toxicologist	6	BA/BS Degree	1 yr	1323-1648
Electron Microscopist, Lab Supervisor	1	Ph.D Degree	2 yrs	1958-2439
Forensic Laboratory Analyst	1	BA/BS Degree	1 yr	1323-1648
Laboratory Assistant	2	No Degree	0	748-931

B. Letter of Thanks from Herman Meuron

Dear Fellow Criminalists and CAC Members:

Our President, Jan Bashinski, recently wrote me that you had elected me to Life Membership in our CAC. Our organization has grown in the past few years to the point where there now are many members whom I don't know, as yet, but I do want you all, and especially my friends who initiated this idea, to know that I consider being elected to Life Membership a great honor and look forward to the day when I can attend a CAC Meeting in person to tell you this.

Over the past seven years since I retired to Honolulu there has been only a small handful of my former associates who called me during their visit to Hawaii. Again, I wish to extend my invitation that when any of you do visit here (and you should come here for a visit), please call me or come for a visit. I am listed in the CAC Roster, the telephone book and the City Directory.

Until then, ALOHA

Herman Meuron

C. The following Criminalistics Certification Study report was provided by Jack Cadman, the study committee chairman.

CRIMINALISTICS CERTIFICATION STUDY REPORT

The fourth meeting of the Criminalistics Certification Study Committee was held in Miami (Hollywood) Florida on December 9-10, 1977. Committee members representing the major professional associations, AAFS, AFTE, ASCLD, CAC, MAAFS, NEAFS, NWAFFS, SAFS, federal laboratories, and the private sector were present and participated in the deliberations. Attachment #1 is a roster of the committee members. John Sullivan, LEAA/NILECJ and Edward Whittaker, AAFS President were also present and participated in the discussions as interested persons.

This meeting of the CCSC was devoted primarily to a discussion and modification of the reports of the sub-committees appointed at the last meeting (Chicago, September 30-October 1, 1977). Discussion of the reports were detailed and demonstrated concern for the interest of the individuals (peers) examining physical evidence in the nationwide criminalistics community. Modifications made in the work products by the full committee were the result of the same peer group concern. The CCSC members want the nationwide criminalistics community to receive, read, discuss, and comment on these findings through the individual committee members. The interim work product below is subject to review and ratification or rejection by the entire criminalistics community.

(Proposed) TYPES OF PHYSICAL EVIDENCE EXAMINATIONS TO BE CERTIFIED

The persons engaged in the practice of criminalistics are called upon to examine a wide variety of physical evidence categories. The CCSC found during the previous meetings that it would be impractical to certify by disciplines. As a result, it was decided at the last meeting to utilize the types of physical evidence examinations as a basis (categories) for the certification of individuals. An individual could, of course, be certified in more than one category if he has the same minimum qualifications for each as set by the peers in those categories.

Eighteen (18) independent or semi-independent physical evidence categories evolved from the lengthy discussions at this meeting. Attachment #2 designates these categories using roman numerals. A nineteenth category was also developed for those types of physical evidence examinations which it would probably not be feasible to certify at first due to the relatively rare incidence of cases, relatively few persons involved in such examinations, or other complicating factors, i.e., testing for competence. The list of categories is critical to the remaining studies of the CCSC. It is not to be considered finalized until it has been ratified by the nationwide criminalistics community.

Some categories such as IX. Toxicology overlap existing areas presently being certified. After much discussion, it was the consensus of the CCSC that there is a need for this category of certification by the persons in criminalistics laboratories who analyze and interpret blood, urine, and breath alcohol and drug levels in living persons. The matter of the overlap with the American Board of Forensic Toxicology probably can be resolved in cooperation with the ABFT. Details remain to be worked out by the peers selected by the processes below.

(Proposed) STANDARDS FOR GRANDPARENTING EACH CATEGORY

At the last meeting of the CCSC, it was determined that it will probably be necessary to "grandparent" qualified individuals if national voluntary peer group certification is found to be feasible and desirable through ratification of the CCSC findings by the nationwide criminalistics community. Those persons certified by grandparenting would be required to pass the same examinations as non-grandparented individuals by a specified date (three years). At this meeting of the CCSC, it was the consensus of the members that certification by grandparenting would be based on the same documentation required to qualify to take the examinations for certification. The actual combination of educational background, experience, publications, cases worked, and other factors remain to be worked out by the peers elected in each category (see below).

(Proposed) CERTIFICATION TESTING PROCEDURES FOR EACH CATEGORY

After lengthy discussion, the CCSC members arrived at a consensus on a mechanism for the selection of peer group Examinations Boards in the evidence categories.

- a. Each regional group, association, laboratory system, or otherwise unrepresented person in all areas of the nationwide criminalistics community will be invited to submit nominees for positions on the peer group Examination Boards by categories. Each peer group Examination Board will be responsible for the content of the examinations in that category. They will also conduct the examinations. The mechanisms for selecting and pre-screening the nominees will be determined by the regional group, association, laboratory, or unrepresented person making the nomination. Each nomination must be accompanied by an application and a structured resume stating the nominee's willingness to serve, background, and qualifications (education, experience, publications, etc.).
- b. The CCSC (or its equivalent successor) consisting of representatives selected from each regional organization and professional group will select the members of the peer Examination Boards from the lists of nominees in each category. These selections will be based on qualifications of the nominees and such points as geographic representation, etc. The persons selected will probably not be "expert's experts". Instead, they will be the recognized competent peers of the persons who would be certified. An attempt will be made to obtain a base of representation as broad as possible on each Examination Board. The Examination Boards will be subjected to review and approval of the criminalistics community on a national basis before they become final.

It will be up to each Examination Board to determine exactly what type of test will be given in each category. The CCSC (or its equivalent successor) consisting of representatives selected from each regional organization and professional group will establish general outlines for the tests. The latter will also make policy decisions regarding certification matters on a national basis.

The CCSC was in general agreement that the modes of testing which should be explored for feasibility are as follows:

- a. Written Examination: The process would require a structured resume of the background, education, and experience of the applicant. The examination would contain objective questions on specific subject matter for that category. It could also include some questions fundamental to all categories of criminalistics. Further certification testing of the applicant would be contingent upon passing the written examination.
- b. Proficiency Testing: This would consist of an analysis and written report by the applicant on simulated case evidence materials.
- c. Written or Oral Presentation of Proficiency Test Results: This will include in-depth examination of the methodology used, comparison standards, explanation of potential interferences, reasons for the selection of the methods, etc. Although somewhat subjective, the test will be given following fixed national guidelines by trained peer examiners.

THE FEASIBILITY AND COST OF CERTIFICATION:

It was the consensus of the CCSC that it is premature to say whether or not the certification of persons in criminalistics is feasible. The CCSC is keenly aware that there are many persons in the field who feel that the cost will prove to be too high even if it is otherwise feasible. It may be possible to obtain LEAA funding through the phase of developing the examinations which would be used. If this is the case, it would materially reduce the cost to the individual being certified.

The CCSC reached general agreement that the size of the Examination Boards will have to be limited to three to nine members for reasons of cost and feasibility. The size will be a function of the category and other factors to be determined by CCSC through further study. Depending on the peer nominess, selection, and ratification by the criminalistics community, an Examination Board member may serve on more than one category Examination Board.

The determination of the feasibility and cost of certification must wait until the study is more nearly completed.

Under current LEAA grant to the Forensic Sciences Foundation, the CCSC is funded for two more meetings. The next meeting is set for March 30 through April 1 in New Orleans and the following will be in Chicago, June 23-24, 1978. It was indicated that LEAA will probably support the study for another year.

PREPARATION FOR THE NEXT CCSC MEETING

In preparation for the next meeting, the CCSC agreed upon the following tasks:

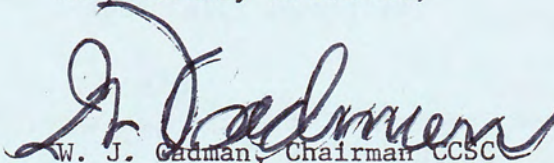
1. A sub-committee to Investigate the Skills Common to All Categories was appointed.
Chairperson: James E. Halligan, Florida Dept. Crim.
Law Enforcement
Antonio A. Cantu, Bureau of ATF,
Washington, D. C.
Richard Frank, DEA, Washington, D. C.
Francis D. Silas, FBI, Washington, D. C.
Richard Janelli, Nassau Co. PD, Mineola, NY
2. Develop a questionnaire on the Types of Examinations Basic to VII. Blood and VIII. Other Physiological Fluids
Chairperson: Willard C. Stuver, Dade Co. Crime Lab.,
Miami, Florida
The CCSC will review and comment and return to Bud before it is sent to serologists and interested persons.
3. Develop a questionnaire on the Types of Examinations Basic to XIV. Hair and XV. Natural and Synthetic Fibers
Chairperson: Walter C. McCrone, Chicago, Illinois
The CCSC will review and return before it is sent to the criminalistics community.
4. Develop a List of Nominees for the Examination Board(s) in the categories of I. Firearms Examination, II. Bullet Flight Path Determination, III. Serial Number Restoration, IV. Toolmarks
Chairperson: Richard Janelli, Nassau Co. PD, Mineola, NY
The CCSC will submit nominees for consideration by the AFTE Board of Directors.
5. Develop a Method for the Selection of Nominees to the Peer Examination Boards for All Categories.
Chairpersons: Each regional representative on the CCSC and others.
6. Investigation of the Cost of Implementation Oral Examinations vs. Written Exams
Chairperson: Thomas A. Kubic, Nassau Co, PD, Mineola, NY
7. Revision of the List of Categories to be Certified
Chairperson: Antonio A. Cantu, ATF, Washington, D. C.
8. Report on the Findings of the Criminalistics Certification Study Committee to Date to the Criminalistics Section of the AAFS.
Chairperson: W. J. Cadman, Cal State U LA, Los Angeles, CA

The meeting concluded with a short review of the history of this committee. The committee must proceed as though we intend to pursue certification for certain in order to make progress. The point was made that this committee would be the first to vote against certification if it appears that it will not be feasible or too costly to the persons who would be applicants for certification. When the formal study is completed, in the opinion of the members of the CCSC, the entire tentative program for certification will be submitted to the nationwide criminalistics community for ratification or rejection.

All persons in the criminalistics community are urged to discuss any questions or problems they find in this report or any other work product of the CCSC with any member of the committee. This is your committee. We need your input to complete this study.

Copies of the full minutes of this meeting are available to all persons who request them.

Respectfully submitted,


W. J. Cadman, Chairman CCSC

WJC:lj

attachments

Attachment #1

CRIMINALISTICS CERTIFICATION STUDY COMMITTEE

ROSTER

Jan Bashinski
Oakland Police Dept.
Criminalistics Section
455 7th Street, Room 608
Oakland, CA 94607

(CAC)

James E. Halligan, Jr. (SAFS)
Florida Dept. of Crim. Law Enforcement
P.O. Box 654
Tallahassee, FL 32302

(415) 273-3386

(904) 487-2503

Robert A. Boese
Chicago Police Dept.
Criminalistics Division
1121 S. State Street
Chicago, IL 60605

(MAFS)

Richard Janelli (AFTE)
c/o S. I. B.
Nassau County Police Dept.
1490 Franklin Avenue
Mineola, NY 11501

(312) 744-5528

(516) 535-4254

W. J. Cadman
Dept. of Criminal Justice
Calif. State Univ. at Los Angeles
5151 State University Dr.
Los Angeles, CA 90032

(Chairman)

Thomas A. Kubic (NEAFS)
S.I.B.
Nassau County Police Dept.
1490 Franklin Avenue
Mineola, NY 11501

(213) 224-3713

(516) 535-4256

Antonio A. Cantu
Bureau of ATF
Identification Branch
Washington, D. C. 20226

(MAAS)

(202) 566-6677

Donald A. Flynt
Chief Forensic ChemCrime Detection Laboratory
Oklahoma State Bureau of Invest.
P. O. Box 11497, Cimarron Station
Oklahoma City, OK 73111

(ASCLD)

(405) 427-5421

Richard S. Frank
Chief, Forensic Sciences Division
Drug Enforcement Administration
1405 Eye Street, N.W.
Washington, D. C. 20537

(Mbr at Lg)

(202) 382-4691

Willard C. Stuver
Dade County Crime Lab.
Public Safety Department
1320 N.W. 14th Street
Miami, FL 33125

(Serology)

(305) 547-7332

Walter C. McCrone (Priv. Consult.)
McCrone Research Inst.
2820 S. Michigan Avenue
Chicago, IL 60616

(312) 842-7105

S. F. Payton (CFSS)
RCM Police
Box 6500
Regina, Sask., Canada S4P 3J7

(306) 569-5812

Francis D. Silas (Mbr at Lg)
F. B. I. Laboratory
Washington, D. C. 20535

(202) 324-3000

K. M. Sweeney (NWAFFS)
W. Washington State Crime Lab.
Public Safety Bldg.
Seattle, WA 98104

(206) 464-7075

* * * * *

Robert Albro
Forensic Sciences Foundation
11400 Rockville Pike, Suite 515
Rockville, MD 20852

(FSF)

(301) 770-2723

Joseph L. Peterson (FSF)
Forensic Sciences Foundation
11400 Rockville Pike, Suite 515
Rockville, MD 20852

(301) 770-2723

John O. Sullivan (Project Monitor)
LEAA
National Institute of Law Enforcement
and Criminal Justice
633 Indiana Avenue, N.W.
Washington, D. C. 20531

(202) 376-3825

- I. FIREARMS EXAMINATION
 - A. Operability of Firearms
 - B. Bullet and Cartridge Case Comparison
 - C. Powder and Shot Pattern (Distance Determination)
 - D. Weapon Determination from Discharged Case and/or Bullet
- II. BULLET FLIGHT PATH DETERMINATION (Ballistics)
- III. SERIAL NUMBER RESTORATION - On Metal Surfaces
- IV. GUNSHOT RESIDUE
- V. TOOLMARKS
- VI. OTHER IMPRINT EVIDENCE
 - A. Tire
 - B. Fabric
 - C. Shoe
 - D. Teeth
 - E. Others
- VII. BLOOD
 - A. Preliminary Examination, Confirmation of Species Origin and Antigen-Antibody Identification
 - B. Polymorphism Protein Characteristics
- VIII. OTHER PHYSIOLOGICAL FLUIDS - Examined by Serological Techniques, e.g., Semen, Saliva, Feces, etc.
 - A. Identification as the Basic Biological Substance by Chemical Tests and other Examinations
 - B. Genetic Marker Characterization
- IX. TOXICOLOGY - Qualitative and quantitative analysis and interpretation NOT including cause of death in humans
 - A. Blood/Alcohol
 - 1. Blood
 - 2. Urine
 - 3. Breath
 - B. Poisons
 - C. Drug Screening from Blood and Urine
- X. CONTROLLED DRUGS OTHER THAN MARIHUANA
- XI. MARIHUANA
- XII. ARSON MATERIALS
- XIII. EXPLOSIVES AND THEIR RESIDUES
- XIV. HAIR
 - A. Characterization - Animal and Human
 - B. Possible Common Origin
- XV. NATURAL AND SYNTHETIC FIBERS - Including Fabrics
- XVI. PAINT
- XVII. GLASS
- XVIII. SOIL
- XIX. OTHERS - These were discussed and found unsuitable as categories for Certification at this time
 - A. Source Identification of Tablets and Capsules - Pill Die Marks
 - B. Alcoholic Beverages
 - C. Plastics and Rubber
 - D. Cosmetics and Toiletries
 - E. Oil and Grease
 - F. Unknown Stains
 - G. Inks, Dyes, and Pigments
 - H. Wool
 - I. Paper
 - J. Ceramics and Building Materials
 - K. Safe Insulation
 - L. Minerals and Gems
 - M. Metals
 - N. Forensic Photography
 - O. Cryptanalysis
 - P. Gambling
 - Q. Crime Scene Search

IV. Positions Open

- A. The city of Eugene, Oregon is seeking applications from qualified persons for the position of lab technician, a non-sworn position. Criminalistics/Forensic Science degree and one year of practical experience preferred. A chemistry or general science degree may be substituted when combined with practical experience. Persons should possess knowledge and experience in the following areas:

Physical evidence
Crime scene processing
Photography, including color processing and
fingerprint comparison

Salary range - \$1154 - 1473 Monthly

Excellent fringe benefits. Applications due May 19, 1978 and may be obtained from the Personnel Dept., City of Eugene, 750 Willmette Street, Eugene, Oregon 97401.

The city of Eugene is an equal opportunity employer/Male/Female.

- B. The Illinois Department of Law Enforcement, Bureau of Scientific Services, is seeking individuals with experience in the following areas:

- 1) Document Examinations - Salary range \$21,000 to \$25,000 a year. Starting salary is negotiable, depending on experience.
- 2) Latent Fingerprint Examinations - Position will be in the Training and Applications Unit of the laboratory system. Salary range \$16,212 to \$21,888. Starting salary is negotiable, depending on experience.
- 3) Examination in either Trace, Chemistry, or Serology - Salary range \$12,660 to \$19,188. Starting salary is negotiable, depending on experience.

Submit resume to:

Bruce W. VanderKolk
Assistant Bureau Chief
Bureau of Scientific Services
107 Armory Building
Springfield, IL 62706

V. Positions Wanted

- A. Randall Robbins, 2800 Pioneer Drive #123, Cape Girardeau, Missouri 63701, (314) 334-8012.

Age: 23

Weight: 175

Height: 5' 8"

Marital Status: Single

Education:

Cape Central High School, 1972; Central Methodist College, 1977;
BA chemistry, grade point average 2.5 of 4.0.

Important Courses:

General Chemistry, Physical Chemistry, Analytical Chemistry,
Intro. Criminalistics, Blood and Body Fluids, Microscopy,
Total hours: 14.

Quantitative Analysis, Qualitative Analysis, Organic Chemistry,
Inorganic Chemistry, Total Hours: 38

Collection & Preservation of Evidence, Introduction to Criminal
Law, Independent Study

Work Experience:

Jackson Police Department, Jackson, Missouri, dispatcher
starting August 17, 1977.

SEMO Regional Crime Lab, Fall Semester, 1977: Along with
study in lab, also worked there studying fingerprints.

References:

Dr. Robert C. Briner, Director, SEMO Regional Crime Lab,
Southeast Missouri University, Cape Girardeau, Missouri

C. R. Longwell, Criminalist, SEMO Regional Crime Lab,
Southeast Missouri University, Cape Girardeau, Missouri

Lt. Herman Gribler, Jackson Police Department, Jackson,
Missouri 63755

B. Bruce R. Moran, 1062 Los Robles, Palo Alto, CA 94306,
(415) 493-6408.

Age: 23

Marital Status: Single

Health: Excellent

Professional Objective:

A position as a Criminalist Trainee or Criminalist I in a city, county, or federal government crime laboratory.

Education:

B.S. Degree, California State University, Sacramento; May 1977

Major: Forensic Sciences

Minor: Chemistry (Maintained 3.3 G.P.A.)

Henry M. Gunn High School, Palo Alto, CA - 1970-1972

St. Mary's High School, Tokyo, Japan - 1969-1970

Nishi Machi International School, Tokyo, Japan - 1967-1969

Related Hobbies -- Photography

PROFESSIONAL EXPERIENCE

Aug. 1977-Present: County of Santa Clara Laboratory of Criminalistics. My fulltime duties as a Forensic Technician include analysis of various drugs, narcotics and alcohol determination in regular case work. Analysis involves use of gas chromatographic instrumentation, thin layer chromatography, liquid-liquid extraction and ultra violet spectroscopy methods.

Jan. 1977-May 1977: State of California Department of Justice Crime Laboratory Sacramento. As a student Aide I worked on a bullet replica project used in an advanced training course for Criminalists in the California State system. I also assisted the staff in gathering class characteristics from various firearms to be used in a computerized identification system.

Sept. 1975-May 1977: California State University Chemistry Service Center. My responsibilities included technical assistance to various organic, biochemistry, analytical and general chemistry laboratories. This involved preparation of chemical reagents, quantitative determinations, set-up and maintenance of laboratory equipment.

May 1975-Aug. 1975: California State University Grounds Department. Duties included general grounds grooming including operation of various pieces of large equipment.

ORGANIZATIONAL MEMBERSHIPS

California Association of Criminalists
American Chemical Society

**PROFESSIONAL
RECOMMENDATIONS**

Mr. Don M. Harding, Supervising Criminalist,
County of Santa Clara Laboratory of Criminalistics.

1557 Berger Drive
San Jose, California
Bus: (408) 299-2224

Mr. Alfred Biasotti, Assistant Chief Investigative Technical Services Bureau, California Department of Justice Crime Laboratory.

3301 C Street
Sacramento, California 95819
Bus: (916) 322-2580

Mr. George Roche, Professor California State University, Sacramento
Department of Criminal Justice
6000 J Street

Sacramento, California 95819
Bus: (916) 454-6880
Res: (916) 428-1074

Mr. Roy Draper, Professor California State University, Sacramento
Department of Chemistry
6000 J Street
Sacramento, California 95819
Bus: (916) 454-6551
Res: (916) 725-4673

C. Sharon Collins, 12063 Tudor Drive #F-36, Orlando, Florida 32807,
(305) 275-5741.

Born: 11/21/56

Height: 5' 2"

Weight: 135

Job Objective:

A position as a crime lab technician or lab assistant.

Education:

1976-1977 Florida Technological University, Orlando, Florida.
Completed 54 of 90 credits toward a B.S. degree in
Forensic Science.

1973-1976 Edison Community College, Fort Myers, Florida.
Received an Associate of Arts degree in Physical
Therapy.

1970-1973 Cypress Lake High School, Fort Myers, Florida.

Work Experience:

Jan. 1977 Key operator, Florida Technological University,
to Orlando, Florida. Worked as key operator in FTU's
Dec. 1977 Quick copy center. Duties included operation and
maintenance of xerox 1200 copier system, operation
and maintenance of IBM system 3 copier, and the
processing of copy requests.

May 1976 Pharmaceutical Assistant. Lee Memorial Hospital,
to Fort Myers, Florida. Worked as a Pharmaceutical
Oct. 1976 Assistant. Duties included delivery of medications
and processing and filing of patients' information.

May 1976 Emergency Medical Technician. Emergency Medical
to Services, Fort Myers, Florida. Completed Emergency
Oct. 1976 Medical Technician training course, receiving Florida
EMT license. Participated in a volunteer program
observing rescue squad procedures by accompanying
rescue crews on emergency calls.

Nov. 1975 Physical Therapist Assistant, Lee Memorial Hospital,
to Fort Myers, Florida. Worked as a volunteer. Duties
Apr. 1976 included patient transport and assisting in the patients'
physical therapy.

1970-1974 Salesperson, Carl's Drugstore, Fort Myers Beach,
Florida. Worked as a cashier and salesperson.

Personal Background:

Date of Birth: 21/Nov/56; Place of Birth: New Brunswick,
New Jersey; Social Security No. 138-50-9042.

Enjoy travelling. Travels have included trips to Europe,
Scandinavia, and Canada. Active in various school
programs.

Interests: Waterskiing, travelling, tennis, and handicrafts.

References: To be supplied upon request.

VI. Meetings and Programs of Interest

A. DEA's International Symposium on Instrumental Applications in Forensic Drug Chemistry

The Drug Enforcement Administration's two-day International Symposium on Instrumental Applications in Forensic Drug Chemistry will be held on May 29 and 30, 1978 at the Ramada Inn Rosslyn, 1900 North Fort Myer Drive, Arlington, Virginia 22209 - just across the Potomac River from Washington, D.C. The Symposium will focus on the increasing reliance of the forensic scientist on modern instrumentation and computers. There will be no registration fee for attendees and the meeting is open to the public. The published proceedings of the Symposium will be made available at no cost to participants and attendees of the meeting.

The four sections of the Symposium which will explore applications of modern technology in forensic drug analysis will be covered by internationally known invited speakers. The topics include Spectroscopy, Computer Applications, Chromatographic Advances and a Special Topics Section. Review papers will initiate the first three sections. These papers will be presented by the respective chairpersons, Drs. Michael Klein, Charles Hammer and Alice V. Kruegel. The Special Topics Section, chaired by Robert K. Sager, will include papers on toxicology, immunoassay, microscopy and drug standards.

The Spectroscopy section will include application papers on mass spectrometry, nuclear magnetic resonance spectroscopy and Fourier transform infrared spectrometry. Dr. Hans Brandenberger, University of Zurich, is scheduled to present a paper dealing with the practical applications of negative ion mass spectrometry and Dr. Marjorie G. Horning, Baylor College of Medicine, will describe her research on the use of stable isotopes in the quantification of drugs by GC-MS-COM. Papers on NMR and IR analysis will be by Dr. Edwin D. Becker, National Institutes of Health, and Dr. Peter R. Griffiths, Ohio University, respectively.

Presentations which will deal with computer applications in drug identification are being planned by Dr. Klaus Biemann, Massachusetts Institute of Technology, and Dr. G. W. A. Milne, NIH. Other papers include "Development of a National Criminalistics Laboratory Information System" by Dr. Glen McWright, FBI; "Development and Use of Computer Systems in the Virginia Bureau of Forensic Science" by Dr. Paul B. Ferrara; and, a description of the computer advances at the Central Research Establishment, Aldermaston, United Kingdom.

Topics which will be covered in the area of chromatography include "Applications of HPLC to the Analysis of Drugs" by Raymond L. Williams and Brian Wheals, Metropolitan Police Laboratory, United Kingdom; "The Monitoring of HPLC Effluents by a Quadrupole Mass Spectrometer and a Direct Stream Interface" by Patrick J. Arpino, Paul Krien and Georges Guiochon, Ecole Polytechnique, France; "A New Approach to the Optimization of Chromatographic Systems and the Use of a Generally Accessible Data Bank in Systematic Toxicological Analyses" by Rokus A. de Zeeuw, Paul Schepers, Jan E. Greving and Jan Piet Franke, Rijksuniversiteit, Groningen, The Netherlands; "Advances in Chemical Signature Analysis of Drugs" by Andreas Maehly and Lars Stromberg, Statens Kriminaltekniska Laboratorium, Sweden; and "Applications of Electron Capture Detection-Gas Chromatography in Forensic Analysis" by James M. Moore, Special Testing and Research Laboratory, McLean, Virginia.

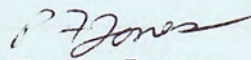
The Special Topics Section will include papers on toxicology by Dr. George Cimbura, Centre of Forensic Science, Toronto, Canada, and Dr. Bryan S. Finkle, University of Utah. Light microscopy and SEM will be explored by Dr. Walter C. McCrone, The McCrone Research Institute, Chicago, Illinois, and Dr. Victor R. Matricardi, FBI. "Drug Analysis by Immunoassays" will be presented by Dr. Irving Sunshine, Cuyahoga County Coroner's Office, Cleveland, Ohio, and "Impact of Instruments on Analysis of Drug Purity and Reference Standards" by Dr. Lee T. Grady, Drug Research and Testing Laboratory, The United States Pharmacopeia.

Individuals planning to attend the Symposium should make their reservations directly with the Ramada Inn Rosslyn as early as possible since the Symposium falls on the Memorial Day weekend. Please specify your attendance at the International Symposium in order to obtain reduced room rates (\$32.00 single, \$37.00 double - 9% room tax). Attendance at the Symposium is FREE.

For further information concerning the Symposium, write to:

Mr. Stanley P. Sobol,
Laboratory Director
Drug Enforcement Administration
Special Testing & Research Laboratory
7704 Old Springhouse Road
McLean, Virginia 22101
USA

- B. May 22-26, 1978 - INTERNATIONAL ASSOCIATION OF FORENSIC SCIENCES,
8th International Meeting, Wichita, KS.
Contact: William G. Eckert, MD, P.O. Box 8282, Wichita, KS 67208.
- C. June 14-16, 1978 - NORTHWEST ASSOCIATION OF FORENSIC SCIENTISTS
Spring Seminar, Sheraton-Palace Hotel, San Francisco, CA.
Contact: Robert K. Sager, DEA Western Regional Lab., P.O. Box 36075,
San Francisco, CA 94102.
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P. F. Jones
Secretary

If you can not attend the business meeting on May 11 and May 12, give your proxy to a full member.

FROXY FORM

I, _____, do hereby designate
(print)

_____ as my proxy for the
(print)

CALIFORNIA ASSOCIATION OF CRIMINALISTS Business Meeting

scheduled for Thursday, May 11, 1978.

Signed: _____ Date: _____