



NEW LETTER California Association of Criminalists NEW LETTER

APRIL, 1974

OFFICERS 1973-1974

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PLEASE DIRECT CORRESPONDENCE
TO THE APPROPRIATE OFFICER

I. SPRING SEMINAR

Your plans to attend the Spring 1974 Seminar, May 9, 10 & 11 at the Queen Mary, Long Beach, should be completed by now. Another interesting and enjoyable seminar appears to be in store for all attending, as Marty Klein puts the finishing touches on technical and social preparations.

All interested members are again urged to attend and contribute to committee meetings on Thursday, May 9th after the technical session. Two committees are especially interested in membership concerns. They are the Professional Papers Committee, consisting of Jan Bashinski and Peter Jones, and the Training Resources Committee. Both have worked diligently on their charges. The Training Resources Committee, under the persuasive leadership of Anthony Longhetti, is one which would benefit from and solicits membership involvement in the development of broad goals and specific projects. Attend the committee meetings or send along suggestions with committee members. The names of these unsung volunteers may be found buried in the pages of the Board of Directors' Minutes accompanying this Newsletter. These may now have to be retrieved from your files, circular or otherwise.

The Professional Papers Committee's work has substantial and long-range implications for the membership of the organization, as well as for the papers presented at seminars and for publication. See their "Comments on Professional Papers" in the Minutes of the Board of Directors, April 5, 1974.

Speaking of papers, Editorial Secretary Nakamura reminds all members that papers for publication in the C.A.C. portion of the F.S.S. Journal are to be sent to the C.A.C. Editorial Secretary - NOT THE FORENSIC SCIENCE SOCIETY. The latter course will result in a couple of unnecessary trips across the Atlantic for your otherwise timely manuscript.

If you will be unable to attend the business meeting, make arrangements for some member to take your proxy so your vote will be counted. A proxy form is included at the end of this newsletter with the slate of nominees selected by the Nominating Committee.

II. ANNOUNCEMENTS

Duane Dillon, Historical Committee, requests that a member of each laboratory represented in the organization submit a brief written account of the creation and development of his laboratory. Most laboratories may already have such a document in their department. Members are requested to either take on the respon-

II. Announcements - Continued

sibility for providing the information, or to assist the individual in their lab who has. If you don't know who is doing it in your lab, get together with other C.A.C. members to see that it does get done. Duane is also looking for information on the history of the Association in general and would like to have any available photographs, negatives, and/or information on past seminars and other Association activities. Your help will be appreciated and a display at one of the coming seminars on the history of criminalistics in California will be one of the more visible results of your efforts.

NOTICE FOR EXPERT WITNESSES - The Forensic Science Foundation is currently conducting a research project, the objective of which is to define and evaluate the various services performed by the forensic science profession in the criminal justice process. If, since 1972, you have given reports or testimony in criminal court or elsewhere in the criminal justice process as an expert witness for either the prosecution or for the defense, would you mail a card or note to the Forensic Sciences Foundation giving your name, address and area of expertise. The Foundation, in turn, will mail to you a short questionnaire designed to group your type and degree of involvement with other individuals who have similar expertise. If you know others who should be included in this survey would you call their attention to this appeal for help.

It is emphasized that this is a federally funded research project. The results will not identify any individuals. No form of solicitation will result from your participation since all names, addresses and questionnaires will be treated as confidential information. We urgently need your support and solicit your help. Mail to: Forensic Sciences Foundation, 11400 Rockville Pike, Rockville, Md. 20852.

A note of appreciation was received by President Ragle for the meals left over from the Southern Section meeting in San Diego. These meals were donated to the Nazareth House.

Although this Newsletter will be too late to allow you to make plans for it, Robert Sager has sent the following announcement: The Northwest Association of Forensic Scientists will hold their Spring Meeting April 25-27, 1974, at the Alyeska Resort near Anchorage, Alaska. A package tour plan has been arranged through Alaska Airlines. On this tour plan you would leave Seattle April 24, and spend April 25, 26 and 27 in the Meeting at Alyeska, visit Earthquake Park and the Portage Glacier on the 28th, cross the Arctic Circle and visit Eskimo villages the 29th, stay in Nome April 30th, travel to Anchorage via the Alaska Railroad May 1 and return to Seattle May 2. The tour price of \$484 includes all transportation from Seattle departure through return, all sightseeing, all transfers and all hotel accommodations. Those planning to attend should contact Dr. Louis W. Nauman, Alaska Medical Laboratories, 207 East Northern Lights Blvd., Anchorage, Alaska 99503. If you wish to take advantage of the tour package you should make your reservations as soon as possible; definitely no later than the first of March. Submitted by Robert K. Sager, U.S. DOJ, Drug Enforcement Admin., Western Regional Laboratory.

The following is the first announcement for The 7th meeting of the International Association of Forensic Sciences, to be held in Zurich, Switzerland, September 8-12, 1975. It is stated in the constitution of this association that members must belong to national or international organizations of forensic sciences, recognized by the council. The California Association of Criminalists fulfills this requirement.

Main topics: Anthropology, Biology (immunology, serology, sex offences), Chemical Toxicology (methodology, results), Criminalistics (explosives, fingerprints, firearms, fire investigations, paint residues, textiles, tires, toolmarks), Dentistry, Jurisprudence, Medical and Environmental Toxicology, Pathology, Psychiatry, Questioned Documents.

II. Announcements - Continued

International Association of Forensic Sciences announcement
Commerical Exhibition of equipment for forensic laboratories.
Social and Ladies program with guided tours around Zurich and the Swiss countryside.

Enquiries should be addressed to:
Secretariat of I.A.F.S.
c/o Professor H.P. Hartmann
Gerichtlich-Medizinisches
Institut der Universitat Zurich
Postfach 8028 Zurich
Switzerland

Jerry Mitosinka provided the following letter from Kallestad Laboratories, Inc., 1000 Lake Hazeltine Drive, Chaska, Minn. 55318:

Dear Mr. Mitosinka and Ms. Northey: Duane Steele, our technical representative in your area, informed me about the difficulty which you had regarding our goat antiserum to normal human serum. Our goat antiserum to normal human serum does react with normal cat serum which primarily is due to the reaction against cat albumin. We prepare our antisera in such a manner that it can be used in immunodiagnostic tests involving radial immunodiffusion and immunoelectrophoresis. In order to have our material useful in forensic testing, further processing of this antiserum would be required.

One of our objectives is to produce antisera that can be used in forensic testing, however, much research and development is required in this effort.. When we do have materials that are suitable for this type of testing, myself or Mr. Steele will notify you. In the meantime, if I can be of further assistance, please do not hesitate to contact me.
Sincerely, Stewart Fobes, Director of Marketing

George Sensabaugh submitted the following two abstracts:

E. Small and H.D. Beckstead, Nature 245:147 (1973). "Cannabinoid Phenotypes in Cannabis sativa". The levels of 9 THC and Cannabidiol (CBD) have been compared in different strains of Cannabis. Three distinct phenotypic groups could be distinguished. In phenotype 1 the plants contained high levels of THC and low levels of CBD. In phenotype 2 the levels were roughly equal, and type 3 contained very low levels of THC. Type 2 and 3 strains usually originated from countries north of latitude 30°. Differences were found between male and female plants. Experiments were not done to determine whether phenotypic differences correspond to genetic differences, although it is likely they do. It is clear that there are psychoactive strains and non-psychoactive strains.

K.W. Smallon, Nature 245:266 (1973). "Ethanol Oxidation by Human Erythrocytes". It is shown that the ethanol concentration in stored blood significantly decreases as a function of time; the mechanism of destruction has previously been linked to the hemoglobin-met hemoglobin redox system. Sodium azide, sodium bisulphite, sodium dithionite, and sodium nitrite (all at 0.5% concentration) are shown to inhibit the change in ethanol concentration. This allows blood samples to be stored for long periods of time (sixteen weeks in this study) without significant change in blood alcohol values. The work also shows that the metabolism of ethanol by red cells is about 0.2% of the total ethanol metabolism in the body in vivo.

III. EMPLOYMENT OPPORTUNITIES AND PEOPLE LOOKING FOR THEM

Criminalistics Educator - A faculty position is now available for a criminalist at Florida Technological University, Orlando, Florida, to assist in the planning for and development of a new B.S. degree program in Forensic Science. This position has potential to become a full time faculty position in September 1974. New

III. Employment Opportunities - Continued

laboratory and lecture facilities have been designed to house the program. The applicant should have a broad background in criminalistics, including courtroom experience testifying to some type of criminalistics examination; at least a B.S. or AB.A. degree; and some previous teaching experience (e.g. university, community college or police academy). Position will require teaching and some research. Academic rank and salary are subject to negotiation. Please reply to: W.W. McGee, Director, Criminalistics Project, Forensic Science Teaching Laboratory, Florida Technological University, P.O. Box 320, Sanford, Florida 32771.

Stanley Glick, 39 Longacre Dr., Livingston, New Jersey, 07039, has a Master's Degree in Forensic Science from George Washington University, Washington, D.C. Please forward his name to your personnel department so he can be put on any mailings for positions in Criminalistics.

IV. TRAINING PROGRAMS

The Department of Justice, Investigative Services Branch Training Program is getting underway. The following courses will be offered during the next year:

- 1/28 - 2/15 - Forensic Alcohol Supervisor
- 3/12 - 3/14 - Forensic Microscopy
- * 4/1 - 4/12 - Practical Criminalistics
- 5/6 - 5/17 - Bloodstain Analysis
- * 7/15 - 7/26 - Firearm and Toolmark Identification
- 8/5 - 8/23 - Forensic Alcohol Supervisor
- 9/23 - 10/4 - Controlled Substances Analysis

This schedule is to serve two purposes; first to let you plan for time for your staff to attend classes, secondly you may inform your training division of the courses and solicit their support to P.O.S.T. P.O.S.T. meets on January 17, 1974 and certification of the program will be discussed. P.O.S.T. certification means local law enforcement employees may attend classes without having to pay per diem or travel expenses. It has no effect on the expenses of the State employees and has no benefits for the State.

These classes are not intended to subrogate formal education programs but are intended as a supplement to those programs. A separate announcement will be sent to you prior to each course so you may enroll students, but we cannot accept registration at this time for classes other than the Forensic Alcohol Supervisor Course. All classes are limited and will be offered on a first come, first serve laboratory basis.

Very truly yours, W. Jerry Chisum, Technical Training Coordinator

(*See next announcement for changes)

The Department of Justice Course entitled "Practical Criminalistics" originally scheduled to begin April 1, 1974, has been postponed. The course is now scheduled to begin on June 8, 1974. Practical Criminalistics is a basic course for the new criminalist. It is designed to introduce the student to the problems encountered in the crime lab, as opposed to those in other types of laboratories. The student is expected to have a degree in a natural science and be a full time employee in a crime laboratory.

The Department of Justice Course, entitled "Firearms and Toolmarks" is scheduled to begin July 15, 1974. This course is designed to acquaint the student with methods of solving firearms and toolmark problems. This class is limited, it is expected that the student will have some background in the field, as this class is not designed for the beginner.

Registration is now open for these two classes. Please send your nominations as soon as possible.

Very truly yours, W. Jerry Chisum, Technical Training Coordinator

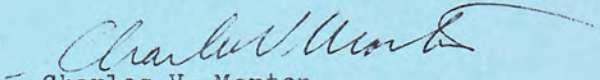
V. ORGANIZATION BUSINESS

The Nominating Committee (Chairman, Robert Cooper) has submitted their slate of officers for the 1974-75 year. Each nominee has been contacted by the committee and indicated a willingness to serve in the nominated post. Members are reminded that additional nominations from the floor are in order and should not hesitate to nominate someone who is anxious to serve the organization. Nominated for organization offices are:

President: John I. Thornton
President-elect: Gerald Mitosinka and John Davidson
Recording Secretary: Charles Morton
Treasurer: Richard Shaw and Paul Dougherty
Regional Director - North: Dorothy Northey
Regional Director - South: Richard Bingle

Don't forget to submit a signed and dated proxy if you will not be able to attend the business meeting. A proxy form is attached below.

Attached to this newsletter are the last seminar abstracts and suggested changes in the By-Laws, submitted by the By-Laws and Policy Revision Committee. Please read the latter before the May 10th Business Meeting


Charles V. Morton
Recording Secretary