

California Association of Criminalists

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NEWSLETTER

December, 1972

MEETINGS IN THE COMING YEAR

SPRING 1973 SEMINAR

The forty-first Semi-Annual Seminar of the California Association of Criminalists will be held on May 17-19, 1973 at the Sheraton Inn-Airport, 1590 Harbor Island Drive, San Diego, California. Chairmen are Richard Shaw (Program Coordinator), Joseph Orantes (Facility and Accomodations Coordinator), and Robert Ekhaml (Exhibit Coordinator). Members who intend to present technical papers at this seminar are urged to contact the Program Chairman as early as possible.

FALL 1973 SEMINAR

The forty-second Semi-Annual Seminar of the California Association of Criminalists will be held on October 18-20, 1973 at Stanford Research Institute, 333 Ravenswood Avenue, Menlo Park, California. The Seminar Chairman is Jerry Chisum. Accomodations will be at Rickey's Hyatt House.

AMERICAN ACADEMY MEETING

The next meeting of the American Academy of Forensic Sciences will be held in Las Vegas, Nevada, at the Hilton International Hotel, on February 19-23, 1973. Program Chairman is Bryan Finkle.

ASSOCIATION OF OFFICIAL ANALYTICAL CHEMISTS

The 87th Annual meeting of the AOAC will be held on October 9-12, 1973 at the Marriott Motor Hotel, Twin Bridges, Washington, D. C. Papers for the meeting must be received in the AOAC office by August 17, 1973.

Season's Greetings

ANNOUNCEMENTS

CHANGE OF DATE OF REGULAR BUSINESS MEETING

The Spring 1973 business meeting will be held on Thursday, May 17, at the Sheraton Inn-Airport, San Diego, California.

CHANGE OF ADDRESS

Members are reminded that change of address or agency affiliation must be filed in writing with the Recording Secretary in order to appear in the new roster.

JOURNAL SUBSCRIPTIONS

The Editorial Secretary wishes to inform new members that although they probably will not receive the Journal for up to a year after joining the Association, they are nevertheless required to pay their entire membership dues, including the Journal subscription fee.

MEMBER VITAE FORMS

Along with the last issue of the Newsletter, each member received a copy of a "Member Vitae" form and a request that this form be filled out and returned to the Membership Secretary. The purpose of this form is to update the files of the office of Membership Secretary which contain information about the members' participation in committees and offices of the Association, attendance at Seminars, papers presented to the C.A.C., and other professional data.

This information is used by the President in making committee appointments and by the Membership Secretary in recommending advancement of members from Provisional to Regular status. The Membership Secretary needs the cooperation of all members who have not yet submitted a Member Vitae form. Please contact Cecil Hider, the Membership Secretary, for these forms.

POSITION WANTED

Trained technician (Chicago Police Department Criminalistics Division) with wide exposure to serology and trace material comparisons with reference to physical evidence, seeking relocation in California; Background information and references contact: MARY ANN MOHAN, 545 West Roscoe, Chicago, Illinois 60657--phone (work) 312-744-5527, (after four) 312-472-0528.

LITERATURE

FOR SALE: "The Chemistry of Powder and Explosives", by T. L. Davis
price \$5.09 including tax and shipping
This offer is subject to available supplies and no increase
in price by the publisher. Contact Paul M. Dougherty,
1903 Brewster Avenue, Redwood City, Ca. 94062

HISTORICAL NOTE

According to the records of the Membership Secretary, Duayne Dillon was the first person to formally apply for the classification of Associate Member. His application is dated October 19, 1956. Duayne was elected to membership along with several other persons who applied in early 1957, on May 17, 1957.

Cecil Hider

TECHNICAL NOTE

Recently, the Oakland Police Department conducted a raid on a suspected illicit laboratory and confiscated the notes of the chemist, along with several grams of MDA and methamphetamine of apparent illicit manufacture. The method of manufacture of MDA proposed in these notes was (1) preparation of 3,4-methylenedioxypyphenyl-2-propanone by the oxidation of isosafrole (2) preparation of the oxime of this P-2-P derivative by treatment with methylamine and (3) preparation of the amine (MDA) by reduction of the oxime with lithium aluminum hydride.

Jan Bashinski

REPORTS OF TECHNICAL MEETINGS

Members of the C.A.C. have recently attended the AOAC 86th Annual Meeting in Washington, D.C. (October 9-12, 1972), the Sixth International Meeting of Forensic Sciences in Edinburgh, Scotland (September 20-26, 1972) and the Second International Conference on Forensic Activation Analysis in Glasgow, Scotland (September 1972) and have kindly provided information on proceedings of these conferences of interest to other members of the C.A.C.

AOAC FORENSIC SCIENCE SYMPOSIUM

list of technical papers provided by Herman Meuron

"Voice Identification with the aid of Spectrographic Analysis"

E. W. Nash, Michigan State Police, E. Lansing, MI 48823

"Neutron Activation Detection of Cotton Swab-Collected Gunshot Residues"

C. M. Hoffman, ATF, Washington, D.C. 20224

"Forensic Application of AA Analysis"

A. Bober, U.S. Customs Lab, Baltimore, MD 21202

"Electron Microscopy in Forensic Science"

J. L. Brown, Georgia Institute of Technology, Atlanta, GA 30303

"Microprobe Examination of Material of Forensic Importance"

V. S. Vasan, Chicago Police Crime Laboratory, Chicago, IL 60611

AOAC FORENSIC SCIENCE SYMPOSIUM (technical papers presented continued)

"Identification of Drugs by Chemical Ionization Mass Spectroscopy"
R. Saferstein, New Jersey State Police, W. Trenton, N.J. 08625

"Forensic Applications of Nuclear Techniques"
G. Lericotte, Georgia Institute of Technology, Atlanta, GA 30303

"Examination of Automobile Paints by Laser-Beam Emission Spectroscopy"
J. Maura, New Jersey State Police, W. Trenton, N.J. 08625

"Collaborative Study of Microscopic Techniques for Glass Analysis"
W. C. McCrone, McCrone Assoc., Chicago, IL 60616

"Identification of Explosive Residues - Vapor Trace Analysis and Other Techniques"
W. D. Washington, ATF, Washington, D.C. 20224

"Identification of cis- and trans- Cinnamoyl-cocaine in Illicit Cocaine Seizures"
J. M. Moore, BNDD, Washington, D.C. 20537

"General Referee Report on Forensic Science"
R. L. Brunelle, Bureau of Alcohol, Tobacco, and Firearms, Washington, D.C. 20224

For further information on this conference, contact Herman J. Meuron,
3760 Diamond Head Circle, Honolulu, Hawaii

SIXTH INTERNATIONAL MEETING OF FORENSIC SCIENCES

report by John D. DeHaan, Alameda County Sheriff's Office

Listed below are a few of the interesting papers presented at this conference.
Those whose authors have indicated they would provide copies on request are
marked (*).

* "Vehicle Imprints" - reconstruction of road accidents,
P. S. Prescott, South Western Forensic Science Laboratory, Sneyd Park,
Bristol BS 9 1 JY England

"Metallurgical Examination of Accident Damage Components"
R. W. Wootton, South Western Forensic Science Laboratory, Sneyd Park,
Bristol BS 9 1 JY England

"Molotov Cocktails" - burning characteristics filmed by high speed photography
H. J. Yallop, EM 2 (Home Office) Branch, RARDE, Royal Arsenal East,
Woolwich, London S.E. 18, England

* "Arms Larcenies" rare weapons identified from detailed close-up photographs
H. B. Lockhoven, Cologne, West Germany (5038 Roden Kirchen, Heinrich
Zille Str 10)

SIXTH INTERNATIONAL MEETING OF FORENSIC SCIENCES (papers presented continued)

* "Firearms Examiner Training"

D. A. Caywood, 6368 Bad Vilbel-Heilsberg, Alte Frankfurter Strabe 94,
Federal Republic of Germany

"Laser Arc Emission Spectrograph" use on paint layers, coatings, particles, glass,
E. F. Pearson, Home Office Central Research Establishment, Aldermaston,
Reading RG 7 48 N, England

"Flameless Atomic Absorption" use on hair, firearms residues, etc.
G. D. Renshaw, C.R.E. Aldermaston, Reading, Berks., England

"Glass Analysis", use of Mettler Hot Stage for index of refraction
McCrone and Assoc., Chicago, IL 60616

* "Firearms Residues by NAA and AAS", Identification of bullet holes by distribution
of lead, copper, and antimony
S. S. Krishnan, Centre of Forensic Sciences, 8 Jarvis Street, Toronto, 2,
Ontario, Canada

"Turnsignal Lamps"

D. N. Dolan, Home Office C.R.E. Aldermaston, Reading, England

* "Age Estimation of Bloodstains" visible absorption spectrophotometry on ammoniacal
extracts
S. S. Kind, Home Office Northern Forensic Science Laboratory,
Government Site, Gosforth, Newcastle-Upon-Tyne, England

"Chalk" identification on basis of coccospores present by SEM

N. T. Weston, Westmidland Forensic Science Laboratory, Priory House,
Gooch Street North, Birmingham 5, England

"Use of Blood Factors" use of probability figures and complete grouping for
identification of suspects

B. Culliford, Metropolitan Police Forensic Science Laboratory
2 Rich Bell Pl, Holborn, London WC 1, England

Copies of abstracts and address list of participants and other information can
be had from: Dr. WHD Morgan
Department of Industrial and Forensic Sciences
180 Newtonbreda Road
Belfast, Northern Ireland

SECOND INTERNATIONAL CONFERENCE ON FORENSIC ACTIVATION ANALYSIS
report by John D. DeHaan, Alameda County Sheriff's Department

The recent Second International Conference on Forensic Activation Analysis was marked by a prevailing attitude of mild optimism. This optimism centered around NAA usefulness in "inorganic" trace element analyses of glass, paint, wire, bullet lead, and firearms residues, tempered by caution in the analysis and interpretation of results in biological samples, especially hair.

Papers were presented on major and trace elements in glass (R. F. Coleman), trace element distribution in soil as a function of depth (L. C. Bate), firearms residues (V. Guinn), swabbing techniques for examination of shooters' hands, examination of bullet leads (Krishnan), hair (B. D. Pate), variations in hair composition (Gordus).

Copies of abstracts and papers (in full) presented at this Conference are available for about \$10 or \$12 from:

Dr. J. M. A. Lenihan
Western Regional Hospital Board
Department of Clinical Physics and Bio-
Engineering
11 West Graham Street
Glasgow G4 9 LF Scotland