

THE NEWSLETTER of



AUGUST 1983

VOL. 9 NO. 3

Executive Committee

President	Ken Konzak
Vice President	Don MacLaren
Secretary-Treasurer	Lionel Tucker
Executive Committee Member-at-Large	Carolyn Kirkwood
	Joe Rynearson
Past President	Brad Telyea

Committees

Ethics	Arnold Melnikoff
Membership	Robert Sager
Publication	George Matsuda
Historical	Floyd Whiting
Technical Advancement	Kathy Brown
Continuing Education	Beth Carpenter

Upcoming Meeting

Fall 1983

Joint Meeting with the

CANADIAN SOCIETY OF FORENSIC SCIENCE

Hotel Georgia
Vancouver, British Columbia
August 13 to 19, 1983

Contact: Jeff Caughlin
RCMP Laboratory
5201 Heather St.
Vancouver V5Z 3L7
British Columbia, Canada

NORTHWEST ASSOCIATION
OF
FORENSIC SCIENTISTS
BUSINESS MEETING

MAY 5, 1983

MISSOULA, MONTANA

- I. MEETING WAS CALLED TO ORDER BY NWAFFS PRESIDENT KEN KONZAK
- II. THE MINUTES OF THE FALL MEETING IN PORTLAND, OREGON WERE ADOPTED AS PUBLISHED IN THE NEWSLETTER
- III. TREASURERS REPORT

LIONEL A. TUCKER, JR.
OCTOBER 8, 1982 TO JUNE 28, 1983

	<u>CREDIT</u>	<u>DEBIT</u>
<u>FUNDS FORWARDED OCTOBER 8, 1982:</u>		
CHECKING ACCOUNT.	3,382.64	
MONEY MARKET ACCOUNT (AS OF 03/31/83)	3,268.26	
DUES COLLECTED.	3,273.50	
INTEREST - CHECKING ACCOUNT	157.56	
NEWSLETTER EXPENSES		150.00
DAVIS BROS.		35.28
COSMO HOTEL		500.00
ADVANCE KEN KONZAK (MISSOULA MEETING)		550.00
CHECK - DR. WEHRENBURG.		100.00
MISCELLANEOUS EXPENSES.		90.59
SERVICE CHARGE - CHECKING ACCOUNT		12.30
SUBTOTAL	10,081.96	1,438.67
TOTAL IN TREASURY (UNAUDITED)	8,643.29	

IV. COMMITTEE REPORTS

A. EXECUTIVE COMMITTEE - KEN KONZAK

1. APPROVED THE CONTINUATION OF THE \$20.00 PER YEAR DUES
2. RULES FOR PROGRAM CHAIRMAN WILL BE CHANGED TO INCLUDE ADDITIONAL CHAIRPERSONS, I.E., SCIENTIFIC WORKSHOP, TO ASSIST IN ORGANIZATIONAL PROCEDURES
3. HAVE \$100.00 FOR AWARD FROM THE AMERICAN ACADEMY OF FORENSIC SCIENTISTS; SUBMIT NAMES TO ROBERT SAGER

B. PUBLISHING COMMITTEE - KEN KONZAK

1. PUBLISH A MEMBERSHIP ROSTER WITH A DESCRIPTION OF EACH INDIVIDUALS SPECIALTY
2. IF ANY MEMBER SEES ANYTHING OF INTEREST IN ANOTHER NEWSLETTER, HE CAN SUBMIT THE ARTICLE TO GEORGE MATSUDA TO BE PUBLISHED IN THE NWAFS NEWSLETTER.

C. MEMBERSHIP COMMITTEE - ROBERT SAGER

TWO PERSONS DROPPED FROM THE ASSOCIATION DUE TO CHANGE IN EMPLOYMENT: RICHARD CRAVEN, BOISE IDAHO
HOWARD HERR, CHEYENNE, WYOMING

D. TECHNICAL ADVANCEMENT - KEN KONZAK

1. NEW CHAIRMAN - MIKE GRUBB
2. A.S.C.L.D. REPRESENTATIVE - CHRIS BEHEIM
3. WE NEED VOLUNTEERS FOR THIS COMMITTEE

E. CONTINUING EDUCATION COMMITTEE - KEN KONZAK

1. ESTABLISH AND USE LIBRARY - TELEPHONE (503) 248-5736
2. IF YOU NEED REFERENCE BOOKS IN YOUR SPECIALTY, SUBMIT YOUR REQUEST TO BETH CARPENTER
3. TRAINING PROGRAMS USING ACS VIDEO TAPES OF INTEREST TO NWAFS MEMBERS CAN BE OBTAINED. SUBMIT YOUR REQUEST TO THE EXECUTIVE COMMITTEE

4. WORKSHOP SUB-COMMITTEES

- A. SOIL: DR. WEHRENBURG, C. CWIKLIK
- B. DRUGS: ROBERT SAGER
- C. ARSON:
- D. TRACE (HAIR FIBERS) POLLEN
- E. OTHERS

IF ANY MEMBER HAS OTHER INTERESTS OR KNOW OF OTHER EXPERTS IN THESE FIELDS WHOM THEY WOULD LIKE TO PRESENT A WORKSHOP, PLEASE NOTIFY BETH CARPENTER

F. NO OTHER COMMITTEE REPORTS WERE PRESENTED AT THIS MEETING

V. OLD BUSINESS

A. VANCOUVER MEETING UPDATE

1. ADDRESS LABELS WILL BE SENT OUT
2. AUGUST 13 THROUGH 19, 1983; \$50.00 REGISTRATION FEE
3. JEFF CAUGHLIN, CHAIRMAN
4. LODGING: \$51.00(CANADIAN DOLLARS) AT THE GEORGIA HOTEL

VI. NEW BUSINESS

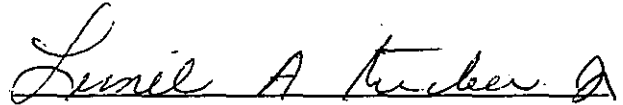
A. SPRING 1984 MEETING -- MEMBERS PRESENT VOTED FOR COEUR D'ALENE

B. PROPOSED JOINT MEETINGS:

1. SPRING 1985 WITH CAC AND SWAPS IN RENO, NEVADA
2. SPRING 1986 WITH SOFT IN RENO, NEVADA
3. IT WAS DECIDED TO APPROACH THE SWAFS FOR A JOING MEETING IN THE SPRING OF 1985

MEETING WAS ADJOURNED AT APPROXIMATELY 6:00PM.

RESPECTFULLY SUBMITTED

A handwritten signature in cursive script, reading "Lionel A. Tucker, Jr.", written over a horizontal line.

LIONEL A. TUCKER, JR.
SECRETARY-TREASURER
N.W.A.F.S.

CANADIAN SOCIETY OF FORENSIC SCIENCE
LA SOCIÉTÉ CANADIENNE DES SCIENCES
JUDICIAIRES

Joint
Meeting
with

NORTHWEST ASSOCIATION
OF FORENSIC SCIENTISTS

August 13 to 19, 1983
Georgia Hotel, Vancouver, British Columbia

"CURRENT CHALLENGES IN FORENSIC SCIENCE"

Saturday, August 13

Workshop ALCOHOL and DRUGS - The Forensic Aspect
Chairman: Nizar Shajani

Sunday, August 14

Workshop CRIMES OF VIOLENCE - The Forensic Aspect
Chairman: Al Beaton

Workshop TRAFFIC CRASH ANALYSIS - The Forensic Aspect
Chairman: S/Sgt. Al Lund

Monday, August 15

Workshop ISOELECTRIC FOCUSING
D. Dykes, Minneapolis War Memorial Blood Bank

Workshop A RAPID KINETIC METHOD FOR QUANTITATIVE DETERMINATION
OF ACID PHOSPHATASE
J. A. Kearns

Workshop CAPILLARY COLUMN GAS CHROMATOGRAPHY
G. Sanchez, Perkin-Elmer Corp.

Tuesday, August 16

Workshop SEX DETERMINATION OF HUMAN HAIR
S/Sgt. B. Wladichuk
S/Sgt. J. Crocker

Workshop HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

8:00 PM WELCOME RECEPTION/REGISTRATION
WINE AND CHEESE BAR

Wednesday, August 17

8:30 A OPENING CEREMONIES

9:00 A PLENARY SESSION - "CURRENT TECHNOLOGY AND METHODOLOGY - IS IT
ADEQUATE?" Chairman: R. Hrynchuk

11:00 A ONTOLOGY OF FORENSIC SCIENCE - Talib ul Haq

1:00 P AVIATION ACCIDENT INVESTIGATION - Dr. D. Elcombe

 FORENSIC LABORATORY ANALYSIS FOR WILDLIFE LAW ENFORCEMENT

 GRIM-GLASS REFRACTIVE INDEX MEASUREMENT - P. Hamer

 EVENING SOCIAL PROGRAM

5:00 P Bus tour of Vancouver's Chinatown

7:30 P Authentic ten-course gourmet Chinese dinner

Thursday, August 18

 SCIENTIFIC SESSIONS

8:30 A IDENTIFICATION AND EXAMINATION OF MT. ST. HELEN'S VOLCANO
 VICTIMS - B. Alexander

 A SURVEY OF BOATING ACCIDENTS - E. Pike

 BLOOD STAIN INTERPRETATION - J. Fekete

10:00 A PLENARY SESSION - "IS FORENSIC EVIDENCE UTILIZED TO ITS FULL
 POTENTIAL BY THE COURTS?" Chairman: A. Blueschke

1:00 P REPORT ON THE INVESTIGATIVE TESTS PROJECT OF THE CRIMINAL LAW
 REVIEW - W. McCalla

2:00 P CSFS and NWA's GENERAL BUSINESS MEETING

3:30 P DISCIPLINE BUSINESS AND GENERAL SCIENTIFIC MEETINGS

 BIOLOGY - Round-table session on forensic serology

 TOXICOLOGY

 MEDICAL - Toxic Shock Syndrome/Lipomatous Hypertrophy of the
 Cardiac Septum

 DOCUMENTS

7:00 P BANQUET

 Hon. R. Kaplan, Solicitor General, Canada

 Hon. R. Smith, Attorney General, British Columbia

Friday, August 19

8:30 A CURRENT STATUS OF FORENSIC ODONTOLOGY IN BRITISH COLUMBIA -
 L. Cheevers

 FACIAL RECONSTRUCTION - A UNIQUE SERVICE FOR LAW ENFORCEMENT
 AGENCIES IN CANADA - J. McKendry

Friday, August 19 (cont.)

10:00 A Medical Discipline

DEATHS IN CUSTODY - Chairman: R. Isaac

RETRIEVAL OF PHYSICAL TRACE EVIDENCE HIDDEN UNDER BLOOD ON
HEAVILY BLOOD-STAINED BODIES - E. Pike

PATTERNED WOUNDS OF THE SKULL FROM HAMMER BLOWS - E. Pike

10:00 A Chemistry Discipline

DEMONSTRATION CAR FIRE BURNS - W. J. Wilkinson

A STUDY OF FOUR VEHICLE FIRES OF KNOWN IGNITION SOURCE -
R. Hrynchuk

PARAFFIN MIGRATION ON CARDBOARD MATCHES - D. C. Mann

FORENSIC EXAMINATION OF BRAKE FLUID - B. Dixon

ACCIDENT RECONSTRUCTION, EVALUATION OF BROKEN AUTOMOTIVE
COMPONENTS FOR CAUSE OR EFFECT - T. R. Wood

CAPILLARY GAS CHROMATOGRAPHY OF SEVERAL SHELL REFINERY
DISTILLATION CUTS - R. Bussoletti

THE ANALYSIS OF ETHYLENEGLYCOLMONONITRATE AND MONOMETHYLAMINE
NITRATE - R. J. Prime

10:00 A Toxicology Discipline

DIFFERENTIATION OF EPHEDRINE AND PSEUDOEPHEDRINE BY GAS
CHROMATOGRAPHY - G. R. Jones

FORENSIC DRUG IDENTIFICATION PROCEDURES - G. H. Hirsch

BLOOD ALCOHOL LEVELS REACHED IN HUMANS AFTER CONSUMPTION OF
ALCOHOL BEVERAGES IN A SOCIAL SETTING - N. K. Shajani

SCREENING FOR ACIDIC AND NEUTRAL DRUGS BY HIGH PERFORMANCE
LIQUID CHROMATOGRAPHY IN POSTMORTEM BLOOD - E. M. Chan

TOXICOLOGY CASES INVOLVING COCAINE - M. Drost

RADIO FREQUENCY INTERFERENCE (R.F.I.): EFFECTS ON EVIDENTIARY
BREATHTESTING - B. K. Wong

DEATH FROM VERAPAMIL INTOXICATION - G. R. Jones

A STUDY OF PURGE READINGS AND REPRODUCIBILITY AND ACCURACY FOR
REPEATED SAMPLING OF STANDARD VAPOURS WITH THE BREATHALYZER -
B. P. Samija

10:00 A Biology Discipline

REPORT ON THE FIRST FORENSIC HUMAN HAIR SYMPOSIUM - C. Cwiklik

OBSERVED UNUSUAL "RED CELL" ACID PHOSPHATASE PHENOTYPE -
W. K. Carelton

BIREFRINGENCE AS A HAIR COMPARISON CHARACTERISTIC - C. Cwiklik

4:00 P CLOSING CEREMONIES



STATE
OF
MONTANA

DIVISION OF FORENSIC SCIENCE

DEPARTMENT OF JUSTICE

275 West Front Street, Missoula, MT 59802 (406) 728-4970

Ronald L. Rivers, M.D.
State Medical Examiner

Arnold B. Melnikoff
Laboratory Bureau Chief

Dawn M. Kangas
Administrative Assistant

POSITION ANNOUNCEMENT

Forensic Scientist III

Grade 15

The Montana State Department of Justice, Division of Forensic Science in Missoula, has an opening for a Forensic Scientist III position with a salary range of \$20,785 - \$24,640. Closing date for applications will be September 16, 1983.

DUTIES & RESPONSIBILITIES

Responsible for the analysis and identification of drugs and toxic substances in toxicological fluids and tissues submitted to the Forensic Laboratory for examination. Will be required to prepare written reports and give expert oral testimony in a court of law as to the results of the examination.

QUALIFICATIONS

A Bachelor's degree in a physical or biological science, with a minimum of three years experience as a Forensic or Clinical Toxicologist. Must be an active member of a recognized Forensic Society and be well established in the field.

APPLICATION PROCEDURE

Interested parties should submit a State of Montana application form and any additional information relative thereto, to Ronald L. Rivers, M.D., State Medical Examiner, Division of Forensic Science, Department of Justice, 275 West Front Street, Missoula, Montana 59802.

Affirmative Action/Equal Opportunity Employer

NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS

ANNUAL MEETING

October 7 & 8, 1983

Sheraton

Hasbrouck Heights, New Jersey

Fri. Oct. 7	Workshop in Toxicology
Sat. Oct. 8	Papers in Narcotics, Toxicology, Criminalistics and Serology

Contact: Patricia R. Prusak
Northeastern Association of Forensic Scientists
New Jersey State Police Lab
Route 46
Little Falls, New Jersey 07424

POSITION ANNOUNCEMENT

Assistant Laboratory Director (Forensic Scientist IV)

This individual will supervise the second shift (2:00 PM to 10:00 PM) at the Maywood Forensic Science Laboratory, Maywood, Illinois. The applicant must have a Bachelor's degree and preferably one year of forensic science supervisory work experience.

Training & Applications Microscopy Coordinator (Forensic Scientist IV)

The applicant must have a Bachelor's degree and preferably experience in the microscopy area. (Hours for this position are 8:30 AM to 5:00 PM).

The salary range for both positions is \$24,852 to \$37,812 per year with a 5% shift differential for the Assistant Laboratory Director position. Salary is negotiable based on experience. Please send resumes no later than November 1, 1983, to Mr. Bruce W. VanderKolk, Bureau Chief, Bureau of Scientific Services, 610 Armory Bldg., Springfield, IL 62706.

Your Association will be distributing a roster of the membership for the calendar year 1984 late this fall. To be included correctly, please fill out the form below, fold on the dotted lines, affix postage stamp and mail or bring form to the Vancouver meeting.

..... Fold Here

Print

Name _____

Title _____

Agency _____

Address _____

Phone _____

Area of expertise _____


Date _____

..... Fold Here

"THE MEANING OF THE LOGO"

The color scheme is in three parts: Gold meaning Science, Blue meaning Truth and Purple meaning Justice.

The four pictures of equal balance are The Scales of Justice, The Torch of Knowledge, The Microscope denoting Criminalistics or Forensic Science and The Fasces, the Symbol of Authority.

The Association's name is part of the Logo and the pharmaceutical symbol  denotes the association as having scruples.

The Editor

THE NEWSLETTER

A Newsletter published by the Association dedicated to the:

1. encouragement of the exchange of ideas and information within the field of forensic sciences through improving contacts between persons and laboratories engaged in the forensic sciences;
2. stimulation of research and the development of new and/or improved techniques; and
3. promotion of the improvement of professional expertise of persons working in the field of forensic science.

Suggestions for Contributors

The Newsletter includes the following regular features:

1. Correspondence and Inquiries (letters)
2. Methodological Notes (Bench Top)
3. Abstracts of papers presented at NWAFS meetings
4. Short Technical Reports
5. Case Reports
6. Employment Opportunities
7. News of meetings, schools, workshops, training opportunities
8. Legal News
9. Editorials

Contributions should be titled, include author credits and any pertinent references. The contributions should be typed, single spaced on plain white paper and compacted as much as possible.

Submit all contributions to the Newsletter Editor:

George K. Matsuda, Lieutenant
Oregon State Police Crime Laboratory
222 SW Pine Street, Fifth Floor
Portland, OR 97204

The Newsletter is published four times a year. Contributions should be submitted by February 1, June 1, August 1 and November 15, each year.