CURRENT CONTENTS

ČERVEN 2003

OBSAH

Police Chief	Vol.70, 2003, č.4
Law Enforcement Technology	Vol.30, 2003, č.4
Journal of Forensic Sciences	Vol.48, 2003, č.3

The official publication of the International Association of Chiefs of Police, Inc.

ARTICLES

- 18 High-Tech Crisis Plans: Tools for School Safety By Tom Sanchez
- 24 Partnership Program Targets Bullying, Intimidation, and Harassment By James W. McMahon
- 28 Cyberproofed? How to Promote Internet Safety for Children By Noel P. Catney

2003 BUYERS GUIDE	
DINES RITTERS ACTUILD BY THE PROPERTY OF THE P	
the second secon	
といる機 Kuvers は Juide Initiod ucu Ulian	THE PERSON OF TH
The state of the s	
	Particle 1 Sarricación de la Contractor
EXECUTED VISUAL STREET	MANUFACTURE TOURS OF THE PARTY
CARLET D.	
40 Using the Buyers Guides	

- 128 Special Focus: Leadership
 Enhancing Public Trust: It's an Issue of Character and Leadership
 By Stephen R. Covey and Michael J. Nila
- 134 Improving Access to Services for Persons with Limited English Proficiency By Ralph F. Boyd Jr.
- 140 Recognizing Innovation in the Art and Science of Criminal Investigations
- 142 Submission Recognition By Ed Flosi

COLUMNS

- 6 President's Message: Strengthening the Relationship with Our Federal Partners By Joseph Samuels Jr.
- 8 Legislative Alert: Congress Approves Appropriations Legislation for 2003; Byrne Funding Restored By Jennifer Home Boyter
- 10 Chief's Counsel: Due Process Issues in Employment—A Brief Overview By Beveriy A. Ginn
- 13 From the Director: Law Enforcement Call to Action to Reduce Traffic Crashes By Jeffrey W. Runge
- 14 Technology Talk: Study Group Workshops Bring IT Industry and Law Enforcement Together By Marcus C. Thomas

DEPARTMENTS

- 16 Advances & Applications
- 137 Spotlight on... Protective Clothing and Isolation Equipment for Biological, Chemical and Radiation Threats
- 146 Index to Advertisers
- 148 New Members

- 154 Product Update
- 157 IACP News
- 161 Survivors' Club
- 162 Highway Safety Initiatives

Features

18 The dark side of Internet activity

Monitoring software keeps employees accountable

24 Is the duplicate hard drive really an exact copy?

NIST project develops methods to test computer forensic software tools

36 Thieves tempted by bait

Police departments deploy bait vehicle programs to catch criminals

44 SHOT Show 2003 — A forensics review

For investigators there are optical devices, pocket tools, knives and more

- 52 Weapons, Ammunition, Holsters & Accessories Showcase
- 60 Gardena Police Department lays down the law

Sony digital voice recorders help officers seal felony convictions

66 Technical police work

How to investigate computer problems and work with the people who solve them

- 74 Computers & Software Showcase
- 82 More than a cell phone

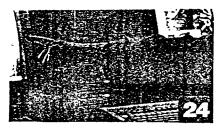
Cell phones provide clues that can turn the tide in investigations

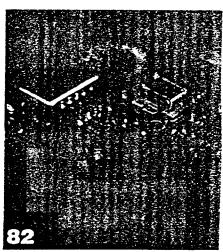
88 Creating a presence online

What Web designs can help make an agency more productive?

96 Stretching your resources

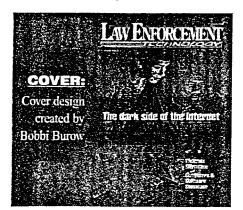
How a regional consortium can help your agency get what it needs





Departments

- 6 Editor's Log
- 8 News
- 12 Corporate News
- 30 Products & Technology
- 122 Calendar
- 123 Publications



LAW ENFORCEMENT

Columns

102 Tactical Technology

Device lessens the risk in tactical entries

106 Computer Technology

Queens County DA's Office system monitors arrests

110 Software Review

Software speaks, improving officer safety and efficiency

118 Investigations Technology

New calibrator takes training wheels off across-the-road radar

126 Legal Update

Harassment policies

Contents

Anthropology	
Paper	
Establishing Personal Identification Based on Specific Patterns of Missing. Filled. and Unrestored Teeth—BRADLEY J. ADAMS	487
The Diversity of Adult Dental Patterns in the United States and the Implications for Personal Identification—	
BRADLEY J. ADAMS	497
Estimation of Age in Adolescents—The Basilar Synchondrosis—T. KAHANA, W. H. BIRKBY, L. GOLDIN, AND J. HISS	504
Discriminant Function Sexing of Fragmentary and Complete Femora: Standards for Contemporary Croatia— MARIO ŠLAUS, DAVOR STRINOVIĆ, JOSIP ŠKAVIĆ, AND VEDRANA PETROVEČKI	509
The External Occipital Protuberance: Can It Be Used as a Criterion in the Determination of Sex?—I. NADIR GÜLEKON AND H. BASRI TURGUT	513
Reexamination of a Measurement for Sexual Determination Using the Supero-Inferior Fernoral Neck Diameter in a	
Modern European Population—V. ALUNNI-PERRET, P. STACCINI, AND G. QUATREHOMME	517
Twenty-Seven Years of Forensic Anthropology Casework in New Mexico—DEBRA A. KOMAR	521
Technical Note	
Mummified Trophy Heads from Peru: Diagnostic Features and Medicolegal Significance—JOHN w. VERANO	525
Criminalistics	
Paper	
Characterization of Pyrotechnic Reaction Residue Particles by SEM/EDS—KEN L. KOSANKE, RICHARD C. DUJAY, AND BONNIE KOSANKE	531
Glass-Containing Gunshot Residue Particles: A New Type of Highly Characteristic Particle?—PETER COLLINS, JOHN COUMBAROS, GRAHAM HORSLEY, BERNARD LYNCH, K. PAUL KIRKBRIDE, WILLIAM SKINNER, AND GUNTER KLASS	538
Characterization of Surface Organic Components of Human Hair by On-Line Supercritical Fluid Extraction—Gas Chromatography/Mass Spectrometry: A Feasibility Study and Comparison with Human Identification Using Mitochondrial DNA Sequences—BRUCE A. BENNER, JR., JOHN V. GOODPASTER, JEFFREY A. DEGRASSE,	5.7.4
LOIS A. TULLY, AND BARBARA C. LEVIN	554
ESDA Processing and Latent Fingerprint Development: The Humidity Effect—MYRIAM AZOURY, RACHEL GABBAY, DRORIT COHEN, AND JOSEPH ALMOG	564
Evaluation of a Multicapillary Electrophoresis Instrument for Mitochondrial DNA Typing—JOHN E. B. STEWART,	
PATRICIA J. AAGAARD, ERIC G. POKORAK, DEBORAH POLANSKEY, AND BRUCE BUDOWLE	571
Technical Note	
Further Studies on Spot Tests and Microcrystal Tests for Identification of Cocaine—James Swiatko, Peter R. De Forest, D. CRIM, AND MORRIS S. ZEDECK	581
Fingerprints as Evidence for a Genetic Profile: Morphological Study on Fingerprints and Analysis of Exogenous and Individual Factors Affecting DNA Typing—FEDERICA ALESSANDRINI, MONIA CECATI, MAURO PESARESI, CHIARA TURCHI, FLAVIA CARLE, AND ADRIANO TAGLIABRACCI	586
	200

General	
Paper	
Background Correction in Forensic Photography I. Photography of Blood Under Conditions of Non-Uniform Illumination or Variable Substrate Color—Theoretical Aspects and Proof of Concept—John H. Wagner AND GORDON M. MISKELLY	593
Background Correction in Forensic Photography II. Photography of Blood Under Conditions of Non-Uniform Illumination or Variable Substrate Color—Practical Aspects and Limitations—JOHN H. WAGNER AND GORDON M. MISKELLY	604
High Mortality Rates Among Inmates During the Year Following Their Discharge from a French Prison—P. VERGER, M. ROTILY, J. PRUDHOMME, AND S. BIRD	614
Technical Note	
Cadaver Dog and Handler Team Capabilities in the Recovery of Buried Human Remains in the Southeastern United States—ALANNA E. LASSETER, KEITH P. JACOBI, RICKY FARLEY, AND LEE HENSEL	617
Odontology	
Technical Note	
Quantification of Forensic DNA from Various Regions of Human Teeth—ROSHALE GAYTMENN AND DAVID SWEET	622
Pathology/Biology	
Paper	
Diffuse Vascular Injury in Fatal Road Traffic Accident Victims: Its Relationship to Diffuse Axonal Injury— JOSÉ E. H. PITTELLA AND SEBASTIÃO N. S. GUSMÃO	626
Technical Note	
Evidence of Hexavalent Chromium Ingestion—Hiroshi kinoshita, kiyoshi ameno, yawara sumi, mitsuru kumihashi, iwao ijiri, setsuko ameno, akira kubota, and shigeru hishida	631
Stability of Cholesterol Gall Stones After 165 Years of Burial—ALAN H.B. WU AND NICHOLAS F. BELLANTONI	633
Case Report	
Investigation of Italy's Deadliest Building Collapse: Forensic Aspects of a Mass Disaster—CARLO P. CAMPOBASSO, ROSA FALAMINGO, AND FRANCESCO VINCI	635
Cutaneous Current Marks Due to a Stun Gun Injury—s. anders, m. junge, f. schulz, and k. püschel	640
Exsanguination by Subclavian-esophageal Fistula Associated with a Left Subclavian Aneurysm—READE A. QUINTON AND JONI L. MCCLAIN	643
Psychiatry	
Paper Paper	
Measures of Aggression and Mood Changes in Male Weightlifters with and without Androgenic Anabolic Steroid Use— PAUL J. PERRY, ERIC C. KUTSCHER, BRIAN C. LUND, WILLIAM R. YATES, TIMOTHY L. HOLMAN, AND LAURENCE DEMERS	646
Questioned Documents	
Paper	
Photodegradation and Laser Desorption Mass Spectrometry for the Characterization of Dyes Used in Red Pen Inks— JAMIE D. DUNN, JAY A. SIEGEL, AND JOHN ALLISON	652

658

The Effects of Latent Print Processing on Questioned Documents Produced by Office Machine Systems Utilizing Inkjet Technology and Toner—GERALD M. LAPORTE, AND ROBERT S. RAMOTOWSKI