Journal of Forensic Sciences Subject Index to Volume 47 2002

A

ABO blood grouping

Determination of ABO blood grouping from human oral squamous epithelium by the highly sensitive immunohistochemical staining method EnVision+ (Noda. H, Yokota, M, Tatsumi, S, and Sugiyama, S), March, 341

Abuse drugs

Drug-facilitated sexual assault involving gamma-hydroxybutyric acid (Stillwell, ME), Sept., 1133

Accident investigation

Boiling point measurement of a small amount of brake fluid by thermocouple and its application (Mogami, K), Sept., 1008 Review of: forensic accident investigation: motor vehicles: forensic accident investigation: motor vehicles—2 (Batterman, SD), Nov., 1412

Accidental

Fatal accidental hanging from a lanyard key chain in a 10-year-old boy (Denton, JS), Nov., 1345

Acoustics

Gunshot location through recorded sound: a preliminary report (Pregliasco, RG and Martínez, EN), Nov., 1309

Acute traumatic dissociation

Acute dissociative responses in law enforcement officers involved in critical shooting incidents: the clinical and forensic implications (Rivard, JM, Dietz, P, Martell, D, and Widawski, M), Sept., 1093

Adhesive

Commentary on: Bernard WR. Paint and tape: collection and storage of microtraces of paint in adhesive tape. J Forensic Sci 2000: 45(6) 1312–5. (Ryland. S), Sept., 1178

Adhesive gummed tape

Unusual suicidal smothering by means of multiple loops of adhesive gummed tape (Di Vella, G, Neri, M, and Belviso, M), May, 645

Adobe® Photoshop®

Digital imaging methods as an aid in dental identification of human remains (Bowers, CM and Johansen, RJ), March, 354

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Review of: digital analysis of bite mark evidence using Adobe[®] Photoshop[®] (Kenney, JP), May, 709

Adults

Application of Lamendin's adult dental aging technique to a diverse skeletal sample (Prince, DA and Ubelaker, D), Jan., 107

Aegean region

Distribution of HLA-DQA1 and amplitype PM locus alleles in Aegean region of Turkey (Çakir, AH, Simsek, F, and Altunbas, S), May, 710

African-American

Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations (Kayser, M, Brauer, S, Willuweit, S, Schädlich, H, Batzer, MA, Zawacki, J, Prinz, M, Roewer, L, and Stoneking, M), May, 513

Age-at-death

Mandibular ramus height as an indicator of human infant age (Norris, SP), Jan., 8

Aging of inks

Changes in composition of ballpoint pen inks on aging in darkness (Andrasko, J), March, 324

Air bags

Driver and front seat passenger fatalities associated with air bag deployment. Part 1: A Canadian study (Shkrum, MJ, McClafferty, KJ, Nowak, ES, and German, A), Sept., 1028

Driver and front seat passenger fatalities associated with air bag deployment. Part 2: A review of injury patterns and investigative issues (Shkrum, MJ, McClafferty, KJ, Nowak, ES, and German, A), Sept., 1035

Aircraft accidents

The crash of LOT flight 007: dental identification (Brannon, RB and Morlang, WM), Nov., 1323

Aircraft crash

Analysis of pilot-related equipment and archaeological strategy in the recovery of aircrew losses from the Vietnam War (Moore II, CE, Davis, BD, and Leney, MD), Nov., 1210

Airway obstruction

Unexpected death due to infectious mononucleosis (Byard, RW), Jan., 202

Alcohol

Review of: the Robert F. Borkenstein International Symposium on Alcohol and Forensic Science—the Influence of Alcohol and Drugs on Transportation Safety (Caplan, YH), May, 706

Allele frequencies

Allele frequencies for six STR in a Chilean population (Cifuentes, L, Acuña, M, and Sepulveda, D), July, 904

Allele frequencies of D1S80 locus in the Bharias, a primitive Indian tribal population from Patalkot, India (Biswas, R and Giroti, R), Nov., 1403

Distribution of allele frequencies for two short tandem repeats (HUMTH01 and F13A01) among five Indian population groups (Ghosh, A and Seshadri, M), March, 415

Allele frequency

Allele frequency distribution at five Y-chromosomal short tandem repeat loci among five distinct ethnic groups of India (Das, B, Chauhan, PS, and Seshadri, M), March, 410

Allele microvariants

Characterization and validation studies of PowerPlexTM 2.1 a nine-locus short tandem repeat (STR) multiplex system and Penta D monoplex (Levedakou, EN, Freeman, DA, Budzynski, MJ, Early, BE, Damaso, RC, Pollard, AM, Townley, AJ, Gombos, JL, Lewis. JL, Kist, FG, Hockensmith, ME, Terwilliger, ML, Amiott, E. McElfresh, KC, Schumm, JW, Ulery, SR,

Konotop, F, Sessa, TL, Sailus, JS, Crouse, CA, Tomsey, CS, Ban, JD, and Nelson, MS), July, 757

Alu elements

A more sensitive method for the quantitation of genomic DNA by *Alu* amplification (Sifis, ME, Both, K, and Burgoyne, LA), May, 589

Alveolar process/radiography

Nutrient canals of the alveolar process as an anatomic feature for dental identifications (Fielding, CC), March, 381

AmpFℓ**STR**

TWGDAM validation of AMPFℓSTRTM PCR amplification kits for forensic DNA casework (Holt, CL, Buoncristiani, M, Wallin, JM, Nguyen, T, Lazaruk, KD, and Walsh, PS), Jan., 66

Amphetamines

Ecstasy (MDMA) deaths in New York City: a case series and review of the literature (Gill, JR, Hayes, JA, seSouza, IS. Marker, E, and Stajic, M), Jan., 121

Analytical separations

Review of: handbook of analytical separations, volume 2, forensic science (Isenschmid, DS), May, 710

Animal bone

Identifying chop marks on cremated bone: a preliminary study (de Gruchy, S and Rogers, TL). Sept., 933

Ankle

Using pre- and post-surgical foot and ankle radiographs for identification (Rich, J, Tatarek, NE. Powers, RH, Brogdon, BG, Lewis, BJ, and Dean, DE), Nov., 1319

Anthropology

Facial approximation: globe projection guideline falsified by exophthalmommetry literature (Stephen, CN). July, 730

Fluvial transport of human remains in the Lower Mississippi River (Bassett, HE and Manheim, MH), July, 719

Population-specific histological age-estimating method: a model for known African-American and European-American skeletal remains (Cho, H, Stout, SD, Madsen, RW, and Streeter, MA), Jan., 12

Anthropophagia

The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva, JA, Ferrari, MM, and Leong, GB), Nov., 1347

Antidepressant

Disposition of citalogram in biological specimens from postmortem cases (Jenkins, AJ and Gubanich, K), Jan., 159

ApoB 3' VNTR

Allele frequency distribution of two minisatellite loci (D19S20 and ApoB 3' VNTR) among five distinct population groups of India (Das. B, Chauhan, PS, and Seshadri, M). Jan.. 229

Archaeological perspectives

Review of: advances in forensic taphonomy: method, theory, and archaeological perspectives (Rowe, WF), Nov., 1407

Argentina

STR data for the PowerPlex® 16 loci in Buenos Aires population (Argentina) (Gangitano, DA. Garófalo, MG, Juvenal, GJ, Budowle, B, Lorente. JA, and Padula, RA), March, 418

Arson

Forensic analysis of ignitable liquids in fire debris by comprehensive two-dimensional gas chromatography (Frysinger, GS and Gaines, RB), May, 471

Arson analysis

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos. BJ, Froneman, M, Rohwer, E, and Sutherland, DA), July, 736

Arthropods

Review of: forensic entomology: the utility of arthropods in legal investigation (Kim, KC), Sept., 1181

Artwork examination

The identification of stolen paintings using comparison of various marks (Shor, Y. Novoselsky, Y. Klein, A, Lurie, DJ. Levi, JA, Vinokurov. A, and Levin, N). May, 633

Asphyxia

Review of asphyxia: the physiopathology (Reay, DT), Sept., 1180

Unusual suicidal smothering by means of multiple loops of adhesive gummed tape (Di Vella, G, Neri, M, and Belviso, M), May, 645

Assault

Characteristics of assaultive patients with schizophrenia versus personality disorder: six year analysis of the assaulted staff action program (ASAP) (Flannery Jr., RB, Rachlin, S. and Walker, AP), May, 558

Attenuated total reflectance

Identification of tiny and thin smears of automotive paint following a traffic accident (Giang, YS, Wang, SM, Cho, LL, Yang, CK, and Lu, CC), May, 625

В

Back scattered electron (BSE) signal

Handguns and ammunitions indicators extracted from the GSR analysis (Lebiedzik, J and Johnson, DL). May, 483

Bacteria

Forensic comparison of soils by bacterial community NDA profiling (Horswell, J. Cordiner, SJ, Maas. EW, Martin, TM. Sutherland, BW, Speir, TW, Nogales, B, and Osborn, AM). March, 350

Ballpoint inks

Ballpoint pen inks: characterization by positive and negative ion-electrospray ionization mass spectrometry for the forensic examination of writing inks (Ng. LK, Lafontaine, P, and Brazeau, L), Nov., 1238

Ballpoint pen

Commentary on: Rompen JC, Meek MF, van Andel MV. A Cause Celebre: the so-

called "Ballpoint Murder." J Forensic Sci 2000;45(5):1144–1147 (van Leuven, B, Visser, R, and Geradts, Z), Jan., 234

Bartonella henselae

Fatal meningitis and encephalitis due to *Bartonella henselae* bacteria (Gerber, JE, Johnson, JE, Scott, MA, and Madhusudhan, KT), May, 640

Bayesian method

Review of: forensic interpretation of glass evidence (Bottrell, MC and Webb, JB), July, 926

Bayesian networks

Interpreting small quantities of DNA: the hierarchy of propositions and the use of Bayesian networks (Evett, IW, Gill, PD, Jackson, G, Whitaker, J, and Champod, C), May, 520

Bhargava

Allele frequencies of microsatellite repeat loci in Bhargavas, Chaturvedis, and Brahmins of North India (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 678

Distribution of allele frequencies of six STR markers in North Indians (Agrawal, S. Müller, B., Bharadwaj, U., Bhatnagar, S., and Khan, F.), May, 682

Evaluation of six short tandem repeat loci in forensics: North Indian populations (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 686

Bharia

HLA-DQA1 and polymarker loci allele frequencies in the Bharias, a primitive Indian tribal population from Patalkot, India (Biswas, R and Giroti, R), July. 916

Biomarkers

Decomposition chemistry of human remains: a new methodology for determining the postmortem interval (Vass. AA, Barshick, SA, Sega, G, Caton, J. Skeen, JT, Love, JC, and Synstelien, JA), May, 542

Bite mark analysis

Review of: digital analysis of bite mark evidence using Adobe[®] Photoshop[®] (Kenney, JP). May, 709

Bitemarks

Forensic implications of biting behavior: a conceptually underdeveloped area of investigation (Webb, DA, Sweet, D, Hinman, DL, and Pretty, IA), Jan., 103

Blood

Extension of the color suite available for chemical enhancement of fingerprints in blood (Caldwell, JP and Kim, ND), March, 332

Blood vessel

The spectrum of intramyocardial small vessel disease associated with sudden death (Veinot, JP. Johnston, B, Acharya, V, and Healey, J), March. 384

BM1225

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D, Smith, KT, Palman, D, and Kornfield, I), May, 673

Body packer syndrome

Ten years of "body packers' in New York City: 50 deaths (Gill, JR and Graham, SM), July, 843

Body packers

A fatal case of cocaine poisoning in a body packer (Furnari, C, Ottaviano, V, Sacchetti, G, and Mancini, M), Jan., 208

Bodybuilders

Hair analysis of seven bodybuilders for anabolic steroids, ephedrine, and clenbuterol (Dumestre-Toulet, V, Cirimele, V, Ludes, B, Gromb, S, and Kintz, P), Jan., 211

Bone

Age estimation by measuring the racemization of aspartic acid from total amino acid content of several types of bone and rib cartilage: a preliminary account (Ohtani, S, Matsushima, Y, Kobayashi, Y, and Yamamoto, T), Jan., 32

Bone and tooth analysis

The use of SEM/EDS analysis to distinguish dental and osseous tissue from other materials (Ubelaker, DH, Ward, DC, Braz, VS, and Stewart, J), Sept., 940

Bone genotyping

Skeletal remains presumed submerged in water for three years identified using PCR-STR analysis (Crainic, K, Paraire, F, Leterreux, M, Durigon, M, and de Mazancourt, P), Sept., 1025

Bone indicators

Variability of the pattern of aging on the human skeleton: evidence from bone indicators and implications on age at death estimation (Schmitt, A, Murail, P, Cunha, E, and Rougé, D), Nov., 1203

Book review

Author's response (Houck, MM), May. 699 Commentary on: Houck MM. Review of: principles and practice of criminalistics. J Sci 2001;46(5):1263-1264 Forensic (Moran, B). May, 697

Book reviews

Review of: forensic accident investigation: motor vehicles: forensic accident investigation: motor vehicles—2 (Batterman, SD), Nov., 1412

Brahmin

Genetic study of 15 important STR loci among four major ethnic groups of Bihar, India (Ashma, R and Kashyap, VK), Sept., 1139

Brahmins

Allele frequencies of microsatellite repeat loci in Bhargavas, Chaturvedis, and Brahmins of North India (Agrawal, S, Müller, B. Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 678

Distribution of allele frequencies of six STR markers in North Indians (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 682

Evaluation of six short tandem repeat loci in forensics: North Indian populations (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 686

Boiling point measurement of a small amount of brake fluid by thermocouple and its application (Mogami, K), Sept., 1008

Bulb filaments

An unusual oxidation type on bulb filament after a car crash dive (Baudoin, P, Lavabre, R, and Vayne, F), March, 377

Bullet

Compositional variation in bullet lead manufacture (Koons, RD and Grant, DM), Sept., 950

C

Calcein

Visualization of postmortem chondrocyte damage by vital staining and confocal laser scanning 3D microscopy (Lasczkowski, GE, Aigner, T, Gamerdinger, U, Weiler, G, and Bratzke, H), May, 663

Cannabis

Criminal responsibility and cannabis use: psychiatric review and proposed guidelines (Niveau, G), May, 451

Capillary electrophoresis

Review of: clinical and forensic applications of capillary electrophoresis, first edition (Tagliaro, F and Bortolotti, F), May,

Capital punishment

Medical aspects of capital punishment executions (Khan, A and Leventhal, RM), July,

Capsaicinoids

Detection of pepper spray residues on fabrics using liquid chromatography-mass spectrometry (Reilly, CA, Crouch, DJ, Yost, GS, and Andrenyak, DM), Jan., 37

Car accident

Bizarre impalement fatalities—where is the implement? (Karger, B, Teige, K, and Bajanowski, T), March, 389

Cervical fracture, decapitation, and vehicleassisted suicide (Byard, RW and Gilbert, JD), March, 392

Carbon monoxide

A comparison of carboxyhemoglobin saturation values in postmortem heart blood and peripheral blood specimens (Levine, B,

Moore, KA, Titus, JM, and Fowler, D), Nov., 1388

Failure to detect elevated levels of carboxyhemoglobin in infants dying from SIDS (Meny, RG, Vreman, HJ, Stevenson, DK, Hauck, FR, Donoghue, ER, Smialek, JE, Fowler, DR, and Zielke, HR), May, 660

Carboxyhemoglobin

Failure to detect elevated levels of carboxyhemoglobin in infants dying from SIDS (Meny, RG, Vreman, HJ, Stevenson, DK, Hauck, FR. Donoghue, ER, Smialek, JE, Fowler, DR, and Zielke, HR), May, 660

Cat scratch

Fatal meningitis and encephalitis due to Bartonella henselae bacteria (Gerber, JE, Johnson, JE, Scott, MA. and Madhusudhan. KT), May, 640

Catalytic rates

Author's response (Gnezda, M and Salamone, SJ), March, 428

Commentary on: Dou C, et al. Comparison of rates of hydrolysis of Lorazepam-Glucoronide, Oxazepam-Glucoronide and Temazepam-Glucoronide catalyzed by E. Coli B-Glucoronidase (O'Neal, CL and Poklis, A), March. 427

Cerebral palsy

Spontaneous fractures in the differential diagnosis of fractures in children (Torwalt, CR, Balachandra, AT, Youngson, C, and de Nanassay, J), Nov., 1340

Cesarean section homicide

Newborn kidnapping by Cesarean section (Burgess, AW, Baker, T, Nahirny, C, and Rabun, JB), July, 827

Chaturvedi

Allele frequencies of microsatellite repeat loci in Bhargavas, Chaturvedis, and Brahmins of North India (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 678

Distribution of allele frequencies of six STR markers in North Indians (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 682

Evaluation of six short tandem repeat loci in forensics: North Indian populations (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 686

Chemical characterization

Chemical composition of fingerprints for gender determination (Asano, KG, Bayne, CK, Horsman, KM, and Buchanan, MV), July, 805

Chemical profiling

Optimum methamphetamine profiling with sample preparation by solid-phase microextraction (Koester, CJ, Andresen, BD, and Grant, PM), Sept., 1002

Chest x-ray

Validation of chest X-ray comparisons for unknown decedent identification (Kuehn, CM, Taylor, KM, Mann, FA, Wilson, AJ, and Harruff, RC), July, 725

Child

Concentrated bleach burns in a child (Telmon, N, Allery, JP, Dorandeu, A, and Rougé, D), Sept., 1060

Child abuse

Spontaneous fractures in the differential diagnosis of fractures in children (Torwalt, CR, Balachandra, AT, Youngson, C, and de Nanassay, J), Nov., 1340

Child restraint systems

Children in motor vehicle collisions: analysis of injury by restraint use and seat location (Sweitzer, RE, Rink, RD, Corey, TS, and Goldsmith, J), Sept., 1049

China

Allele distribution for D21S1435 and D21S2055 loci in two Chinese populations (Liang, W, Zhang, L, Chen, G, Xin, J, Liao, M, and Yu, MY), May, 667

Han Chinese population data for ten STR loci in Changsha, China (Ma, Y, Gong. B, Xia, J, Deng, H, Pan, Q, Li, Q, Dai, H. Wen, S, and Xia, K), March, 404

Chromosome Y

Typing Y chromosome STR haplotypes using redesigned primers (Hou, Y, Zhang, J, Sun, D, Li, Y, Wu, J, Zhang, S, and Prinz, M), Jan.. 215

Chronological age

The accuracy and precision of third molar development as an indicator of chronological age in Hispanics (Solari, AC and Abramovitch, K), May, 531

Citalopram

Disposition of citalopram in biological specimens from postmortem cases (Jenkins, AJ and Gubanich, K), Jan., 159

Postmortem concentrations of citalopram (Anastos, N, McIntyre, IM, Lynch, MJ. and Drummer, OH), July, 882

Classification

Classification of narcotics in solid mixtures using principal component analysis and Raman spectroscopy (Ryder, AG), March. 275

Clavicle

Radiographic identification using the clavicle of an individual missing from the Vietnam conflict (Adams, BJ and Maves, RC), March, 369

Cleaver

Identifying chop marks on cremated bone: a preliminary study (de Gruchy, S and Rogers, TL), Sept., 933

Clonazepam

The behavioral and cognitive effects of two benzodiazepines associated with drug-facilitated sexual assault (Dowd, SM, Strong, MJ, Janicak, PG, and Negrusz, A). Sept., 1101

Clothes washing and drying

Chemical analysis of vegetable oils following spontaneous ignition (Coulombe, R), Jan., 195

Clubfoot

Identification of decomposed human remains from radiographic comparisons of an unusual foot deformity (Sudimack, JR, Lewis, BJ, Rich, J, Dean, DE, and Fardal, PM). Jan., 218

Cocaine

A fatal case of cocaine poisoning in a body packer (Furnari, C, Ottaviano, V, Sacchetti, G, and Mancini, M), Jan., 208

Codeine

Concentrations of unconjugated morphine, codeine and 6-acetylmorphine in urine specimens from suspected drugged drivers (Ceder, G and Jones, AW), March. 366

Cofiler

Western Australian sub-population data for the thirteen AMPFℓSTR® Profiler PlusTM and COfilerTM STR Loci (Bagdonavicius, A, Turbett, GR, Buckleton, JS, and Walsh, SJ), Sept., 1149

Colchicine poisoning

Colchicine poisoning resulting from accidental ingestion of meadow saffron (Colchicum Autumnale) (Sannohe, S, Makino, Y, Kita, T, Kuroda, N, and Shinozuka, T), Nov.. 1391

Colchicum autumnale

Colchicine poisoning resulting from accidental ingestion of meadow saffron (Colchicum Autumnale) (Sannohe, S, Makino, Y, Kita, T, Kuroda, N, and Shinozuka, T), Nov., 1391

Collision-induced dissociation (CID)

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos. BJ, Froneman, M, Rohwer, E, and Sutherland, DA), July, 736

Colombia

Allele frequencies for the AmpFℓSTR profiler loci in a Colombian population (department of Boyaca) (Vargas, CI, Castillo, A, Gil, AM, Pico, AL, and García, O), March, 406

Comparison

Unusual contact marks: connecting the hubcap to the wheel of the car (Novoselsky, Y, Tsach, T, Klein, A, Volkov, N, Shor, Y, and Vinokurov, A), May, 630

Compositional analysis

Associating gunpowder and residues from commercial ammunition using compositional analysis (MacCrehan, WA, Reardon, MR, and Duewer, DL), March. 260

Compound 1080

The identification of sodium fluoroacetate (Compound 1080) employing NMR spec-

troscopy (Kirms, MA and Kirms, LM), May, 573

Compressional asphyxia

Death by compaction in a garbage truck (Staats, PN, Jumbelic, MI, and Dignan, CR), Sept., 1065

Computer-aided dental identification

WinID2 versus CAPMI4: two computer-assisted dental identification systems (Lewis, C). May, 536

Computerized tomography

Identification of human skeletal remains by comparison of bony details of the cranium using computerized tomographic (CT) scans (Smith, DR, Limbird, KG, and Hoffman, JM), Sept., 937

Computers

Digital imaging methods as an aid in dental identification of human remains (Bowers, CM and Johansen, RJ), March, 354

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Condoms

Commentary on: Lee GSH, Brinch KM, Kannangara K, Dawson M, Wilson MA. A methodology based on NMR spectroscopy for the forensic analysis of condoms. J Forensic Sci 2001;46(4):808–21. (Blackledge, RD), March, 429

Confocal laser 3D microscopy

Visualization of postmortem chondrocyte damage by vital staining and confocal laser scanning 3D microscopy (Lasczkowski, GE, Aigner, T, Gamerdinger, U, Weiler, G, and Bratzke, H), May, 663

Contamination

Levels of trace and major elements in illicit heroin (Bora, T, Merdivan, M, and Hamamci, C), Sept., 959

Contents based information retrieval

Content based information retrieval in forensic image database (Geradts, Z and Bijhold, J). March, 285

Cranial injury

Author's response (Telmon, N and Allery, JP), May, 703

Commentary on: Telmon N, Allery J-P, Scolan V, Rougé D. Fatal cranial injuries caused by an electric angle grinder. J Forensi Sci 2001;46(2):389–391. (Francois Boudreau, JB and Heggtveit, HA), May, 702

Craniofacial identification

Review of: Craniofacial identification in forensic medicine (Fenton, TW), Jan., 235

Cremation

Identifying chop marks on cremated bone: a preliminary study (de Gruchy, S and Rogers, TL), Sept., 933

Post-cremation taphonomy and artifact preservation (Warren, MW and Schultz, JJ), May, 656

Cremation artifacts

Post-cremation taphonomy and artifact preservation (Warren, MW and Schultz, JJ), May. 656

Criminal responsibility

Criminal responsibility and cannabis use: psychiatric review and proposed guidelines (Niveau, G), May, 451

Criminalistics

A method for the longitudinal sectioning of single hair samples (Kempson, IM, Skinner, WM, and Kirkbride, KP), July. 889 An unusual oxidation type on bulb filament after a car crash dive (Baudoin, P, Lavabre, R, and Vayne, F), March, 377

Author's response (Houck, MM), May, 699 Boiling point measurement of a small amount of brake fluid by thermocouple and its application (Mogami, K), Sept., 1008

Brake linings: a source of non-GSR particles containing lead, barium, and antimony (Torre, C. Mattutino, G, Vasino, V, and Robino, C), May, 494

Commentary on: Houck MM. Review of: principles and practice of criminalistics. J Sci 2001;46(5):1263-1264 Forensic (Moran, B), May, 697

Compositional variation in bullet lead manufacture (Koons, RD and Grant, DM). Sept., 950

Interpretation of glass composition measurements: the effects of match criteria on discrimination capability (Koons, RD and Buscaglia, J), May, 505

Review of: ethics in forensic science: professional standards for the practice of criminalistics [a volume in the protocols in forensic science series] (Nordby, JJ), Sept., 1184

Critical incidents

Acute dissociative responses in law enforcement officers involved in critical shooting incidents: the clinical and forensic implications (Rivard, JM, Dietz, P. Martell, D, and Widawski, M), Sept., 1093

Crossbow

Commentary on Rompen JC, Meek MF, van Andel MV. A Cause Celebre: the socalled "Ballpoint Murder." J Forensic Sci 2000;45(5):1144-1147 (van Leuven, B, Visser, R, and Geradts, Z), Jan., 234

Crush injuries

Death by compaction in a garbage truck (Staats, PN. Jumbelic, MI, and Dignan, CR), Sept., 1065

CSF1PO

Author's response (Margolis-Nunno, H and Kobilinsky, L), July, 923

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azourv, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

CSF1PO locus

Commentary on: Margolis-Nunno H, Brenner L, Cascardi J, Koblinsky L. A new allele of the short tandem repeat (STR) locus, CSF1PO. J Forensic Sci 2001;46(6): 1480-1483 (Walsh, SJ), July, 923

CT scan

Identification of human skeletal remains by comparison of bony details of the cranium using computerized tomographic (CT) scans (Smith, DR, Limbird, KG, and Hoffman, JM), Sept., 937

D

3D forensic imaging

Development of a 3D-based automated firearms evidence comparison system (Bachrach, B), Nov., 1253

D10S2325

Genetic variation at five STR loci (D10S2325, D13S325, D20S470, D18S51, and D19S253) in Korean population (Shin, SH, Hwang, JH, Park, HS, Kim, NK, and Chung, KW), Sept., 1161

D13S317

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May. 586

D16S39

Presentation of a three-banded allele pattern-analysis and interpretation (Azmir, A. Shpitzen, M, Oz, C, Motro, U, Meiner, V, and Gafny, R), July, 824

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July. 912 Concordance study on 15 STR loci in three

major populations of Himalayan State Sikkim (Kashyap, VK, Guha, S, and Trivedi, R), Sept., 1163

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

Allele frequency distribution of two minisatellite loci (D19S20 and ApoB 3' VNTR) among five distinct population groups of India (Das, B, Chauhan, PS, and Seshadri, M), Jan., 229

D1S80

Allele frequencies of D1S80 locus in the Bharias, a primitive Indian tribal population from Patalkot, India (Biswas, R and Giroti, R), Nov., 1403

D1S80 population data in eight predominant populations of India (Trivedi, R, Chattopadhyay, P, Dutta, R, Sarkar, N, Sharma, AK, and Kashayp, VK), May, 676

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Allele frequency distribution of the STR locus D20S161 in Indonesians. Tibetans, South African Blacks and South African Whites (Kido, A, Susukida, R, Oya, M, Fujitan, N, Kimura, H, and Hara, M), Nov., 1401

D20S470

Genetic variation at five STR loci (D10S2325, D13S325, D20S470, D18S51, and D19S253) in Korean population (Shin, SH, Hwang, JH, Park, HS, Kim, NK, and Chung, KW), Sept., 1161

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912 Concordance study on 15 STR loci in three major population of Himalayan State Sikkim (Kashyap, VK, Guha, S, and Trivedi, R). Sept., 1163

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R, and Kashyap, VK), Sept., 1168

D3S1358

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912 Concordance study on 15 STR loci in three major populations of Himalayan State Sikkim (Kashyap, VK, Guha, S, and Trivedi, R), Sept., 1163

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

Population data for the STR systems D3S1358, D8S1179, D18S51, D21S11, and the Y-chromosomal DYS385 in a population sample from Lower Franconia (South Germany) (Jung, S and Patzelt. D), Sept., 1145

Population study of seven microsatellites in Alagoas—Northeastern Brazil (da Silva, LA, Pimentel, BJ, de Azevedo, DA, da Silva, EN, and dos Santos, SS), Nov., 1399

D5S818

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R, and Kashyap, VK), Sept., 1168

D7S8

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

D7S820

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R, and Kashyap, VK), Sept., 1168

D8S1179

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R, and Kashyap, VK), Sept., 1168

De Clerambault's syndrome

De Clérambault's Syndrome (erotomania) and claims of psychiatric malpractice (Goldstein, RL and Laskin, AM), July, 852

Death penalty

Medical aspects of capital punishment executions (Khan, A and Leventhal, RM), July, 847

Decomposed remains

Identification of decomposed human remains from radiographic comparisons of an unusual foot deformity (Sudimack, JR, Lewis, BJ, Rich, J, Dean, DE, and Fardal, PM), Jan., 218

Decomposition

Mitochondrial DNA sequencing of beetle larvae (*Nitidulidae: Omosita*) recovered from human bone (DiZinno, JA, Lord, WD, Collins-Morton, MB, Wilson, MR, and Goff, ML), Nov., 1337

Time of submergence using aquatic invertebrate succession and decompositional changes (Hobischak, NR and Anderson, GS), Jan., 142

Dental identification

The crash of LOT flight 007: dental identification (Brannon, RB and Morlang, WM). Nov., 1323

Dental restorations

WinID2 versus CAPMI4: two computer-assisted dental identification systems (Lewis, C), May, 536

Detection

Advanced solvent-free application of ninhydrin for detection of latent fingerprints on thermal paper and other surfaces (Schwartz, L and Frerichs, I). Nov., 1274

Diacetylmorphine

GC/MS determination of pyrolysis products from diacetylmorphine and adulterants of street heroin samples (Brenneisen, R and Hasler, F), July, 885

Diaphyseal lengths

Validation of a radiographic method to establish new fetal growth standards: radioanatomical correlation (Piercecchi-Marti, MD, Adalian, P, Bourliere-Najean, B, Gouvernet, J, Maczel, M, Dutour, O, and Leonetti, G), March, 328

Digital

Digital imaging methods as an aid in dental identification of human remains (Bowers, CM and Johansen, RJ), March, 354 Photographic evidence protocol: the use of digital imaging methods to rectify angular

digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Digital autopsy

Charred body: virtual autopsy with multislice computed tomography and magnetic resonance imaging (Thali, MJ, Yen, K, Plattner, T, Schweitzer, W, Vock, P, Ozdoba, C, and Dirnhofer, R), Nov., 1326

Digital imaging

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Diphenylamine

A qualitative comparison of smokeless powder measurements (MacCrehan, WA and Reardon, MR), Sept., 996

Associating gunpowder and residues from commercial ammunition using compositional analysis (MacCrehan, WA. Reardon, MR, and Duewer, DL), March, 260

DIPs

Melting curve SNP (McSNP) genotyping: a useful approach for diallelic genotyping in forensic science (Ye, J, Parra, EJ, Sosnoski, DM, Hiester, K, Underhill, PA, and Shriver, MD), May, 593

DNA

Distribution of allele frequencies of six STR markers in North Indians (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 682

Evaluation of six short tandem repeat loci in forensics: North Indian populations (Agrawal, S. Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 686 Forensic comparison of soils by bacterial community NDA profiling (Horswell, J, Cordiner, SJ, Maas, EW, Martin, TM, Sutherland, BW, Speir, TW, Nogales, B, and Osborn, AM), March, 350

Review of: forensic DNA typing (Sensbaugh, GF). May, 705

DNA extraction

Extraction of human nuclear DNA from feces samples using the QIAamp DNA stool mini kit (Vandenberg, N and van Oorschot, RAH), Sept., 993

DNA mixtures

Author's response (Wisecarver, JL and Rubocki, RJ), Sept., 1174

Commentary on: Rubocki RJ, McCue BJ, Duffy KJ, Shepard KL. Shepherd SJ, Wisecarver JL. Natural DNA mixtures generated in fraternal twins in utero. J Forensic Sci 2001;46(1):120–125 (Segal, NL). Sept., 1174

DNA profiling

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168
Interpreting small quantities of DNA: the hierarchy of propositions and the use of

hierarchy of propositions and the use of Bayesian networks (Evett, IW, Gill, PD, Jackson, G, Whitaker, J, and Champod, C), May, 520

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

DNA quantitation

A more sensitive method for the quantitation of genomic DNA by *Alu* amplification (Sifis, ME, Both, K, and Burgoyne, LA), May, 589

DNA samples

Commentary on Perlin, MW. Szabady B. Linear mixture analysis: a mathematical approach to resolving mixed DNA samples. J Forensic Sci 2001;46(6) 1372–78. (Wang, T), Sept., 1176

DNA typing

A study on four short tandem repeat systems: African immigrant, Portuguese, and Spanish population data (Gamero, JJ, Romero, JL, González, JL, Carvalho, M, Anjos. MJ, Real, FC, and Vide, MC), July, 897

Allele distribution for D21S1435 and D21S2055 loci in two Chinese populations (Liang, W, Zhang, L, Chen, G, Xin, J, Liao, M, and Yu. MY), May, 667

Allele frequencies for 10 STR loci in Istanbul (Turkey) population (Filoglu, G, Abaci-Kalfoglu, E, and Atasoy, S), July, 909

Allele frequencies for eight STR loci in a population sample from Sicily (Italy) (Asmundo, A. Sapienza, D, and Crinò, C), March, 408

Allele frequencies for six STR in a Chilean population (Cifuentes, L, Acuña, M, and Sepulveda, D). July, 904

Allele frequencies for the 13 CODIS STR loci in a sample of southern Croatians (Schanfield, MS. Gabriel, MN, Andelinovic, S, Reynolds, RL, Ladd, C, Lee, HC, and Primorac, D), May, 669

Allele frequencies for the AmpF ℓ STR profiler loci in a Colombian population (department of Boyaca) (Vargas, CI, Castillo, A, Gil, AM, Pico, AL, and García, O), March, 406

Allele frequencies for three STR loci in Turkish population of Kosovo (Çerkezi, AB, Altunçul, DH, Yükseloglu, H. Abaci-Kalfoglu, E. and Atasoy, S), July, 908

Allele frequencies for two STR loci D1S1676, D2S2735 in Chinese population (Gao, YZ, Ying, BW, Hou, YP, Li, YB. Wu, J, Zhang, J, Tang, JP, Yan, J, and Yu, HL), Nov., 1404

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D, Smith, KT, Palman, D, and Kornfield, I), May, 673

Allele frequencies of CODIS STR loci in Chinese population (Ji, Q. Zhang, H, Du, H. Dong, J, Tang, J, Sheng, Y, Liao, J, Wang, Q, and Hou, Y), Sept., 1143

Allele frequencies of HLADQA1 and PM in Istanbul (Turkey) population (Yükseloglu, H. Altunçul, DH. Filoglu, G. Abaci-Kalfoglu, E. and Atasoy, S), July, 907

Allele frequencies of microsatellite repeat loci in Bhargavas, Chaturvedis, and Brahmins of North India (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 678

Allele frequencies of Y-chromosome STR locus DYS445 in a Chinese population (Dong, JG, Hou, YP, Li, YB, Wu, J, Tang, JP, and Ji, Q), Sept.. 1160

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912

Allele frequency distribution for nine fluorescent based STR loci in Tamil population (South India) (Panneerchelvam, S, Vanaja, N, Goud, CV, Sheeba, A, Rao, GV, and Damodaran, C), Jan., 226

Allele frequency distribution of the STR locus D20S161 in Indonesians, Tibetans, South African Blacks and South African Whites (Kido, A, Susukida, R, Oya, M. Fu-

jitan, N, Kimura, H, and Hara, M), Nov., 1401

Allele frequency distribution of three STR loci (D5S818, Penta D, and Penta E) in Turkish population (Çakir, AH and Celebioglu, A). Sept., 1154

Allele frequency distribution of two minisatellite loci (D19S20 and ApoB 3' VNTR) among five distinct population groups of India (Das, B, Chauhan, PS, and Seshadri, M), Jan., 229

Concordance study on 15 STR loci in three major populations of Himalayan State Sikkim (Kashyap, VK, Guha, S, and Trivedi, R). Sept., 1163

D1S80 polymorphism in Istanbul (Turkey) (Akgunes, E. Filoglu, G. Yükseloglu, H. Abaci-Kalfoglu, E. and Atasoy, S), July, 906

Detection of a primer-binding site polymorphism for the STR locus D16S539 using the Powerplex® 1.1 system and validation of a degenerate primer to correct for the polymorphism (Nelson, MS, Levedakou, EN, Matthews. JR, Early, BE, Freeman, DA, Kuhn, CA, Sprecher, CJ, Amin, AS, McElfresh, KC, and Schumm, JW), March, 345 Distribution of allele frequencies for two short tandem repeats (HUMTH01 and F13A01) among five Indian population groups (Ghosh, A and Seshadri, M), March, 415

Distribution of HLA-DQA1 and amplitype PM locus alleles in Aegean region of Turkey (Çakir, AH, Simsek, F, and Altunbas, S). May, 710

Distribution of nine STR loci alleles frequencies in a Chinese population (Yu, X, Hu, DY, Zhang, J, Tang, JP, and Hou, YP), Sept.. 1147

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

Genetic variation at five STR loci (D10S2325, D13S325, D20S470, D18S51, and D19S253) in Korean population (Shin, SH, Hwang, JH, Park, HS, Kim, NK, and Chung, KW), Sept., 1161

Genetic variation at three DYS-STR loci and amelogenin between the Australian Caucasians and three Asian ethnic groups (Chang. YM, Both, K, and Burgoyne, LA), July, 918

Han Chinese population data for ten STR loci in Changsha, China (Ma, Y, Gong, B, Xia, J, Deng, H, Pan, Q, Li, Q, Dai, H, Wen, S, and Xia, K), March, 404

Melting curve SNP (McSNP) genotyping: a useful approach for diallelic genotyping in forensic science (Ye, J, Parra, EJ, Sosnoski,

DM, Hiester, K, Underhill, PA, and Shriver, MD), May, 593

Mitochondrial DNA and STR typing of matter adhering to an earphone (Seo, Y, Uchiyama, T, Matsuda, H, Shimizu, K, Takami, Y, Nakayama, T, and Takahama, K), May, 605

Polymarker, HLA-DQAα, and D1S80 allele frequency data in Antioquia (Colombia) population (Builes, JJ, Moreno, MA, Gaviria, AM, Espinal, C, Cuartas, AE, Figueroa, EE, and Bravo, MJ), July, 902 Population data on nine STR loci in an El Salvadoran (Central American) sample population (Morales, JA, Monterrosa, JC, Alvarez, JC, Entrala, C, Lorente, JA, Lorente, M, Budowle, B, and Villanueva, E), July, 900

Population data on the three STR loci in the Upper Silesia (Poland) (Raczek, E), Jan., 228

Population study of seven microsatellites in Alagoas—Northeastern Brazil (da Silva, LA, Pimentel, BJ, de Azevedo, DA, da Silva, EN. and dos Santos, SS). Nov., 1399 Presentation of a three-banded allele pattern—analysis and interpretation (Azmir, A, Shpitzen, M, Oz, C, Motro, U, Meiner, V, and Gafny, R), July, 824

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Reduced volume PCR amplification reactions using the AmpFℓSTR® Profiler Plus™ kit (Gaines, ML, Wojtkiewicz, PW, Valentine, JA, and Brown, CL), Nov., 1224 STR data for the PowerPlex® 16 loci in Buenos Aires population (Argentina) (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B, Lorente, JA, and Padula, RA), March, 418

Three Y-chromosome STR frequencies in a population from Equatorial Guinea (central Africa) (Alvarez, S. López-Parra, AM, Mesa, MA, Jimenez, V, Herrera, SJ, Bandres, F, Arraztio, A, Rubio, JM, and Arroyo-Pardo, E), Jan., 224

Trace DNA: a review, discussion of theory, and application of the transfer of trace quantities of DNA through skin contact (Wickenheiser, RA), May, 442

TWGDAM validation of AMPFℓSTR™ PCR amplification kits for forensic DNA casework (Holt, CL, Buoncristiani, M, Wallin, JM, Nguyen, T, Lazaruk, KD, and Walsh, PS), Jan., 66

Typing of the locus DYS19 from DNA derived from fingernail clippings using PCR ConcertTM rapid purification system (Gangitano, DA, Garófalo, MG, Juvenal. GJ, Budowle, B, and Padula, RA), Jan., 175 Validation of a 16-locus fluorescent multiplex system (Krenke, BE, Tereba, A. An-

derson, SJ, Buel, E, Culhane, S, Finis, CJ,

Tomsey, CS, Zachetti, JM, and Sprecher, CJ), July, 773

Western Australian sub-population data for the thirteen AMPFℓSTR® Profiler PlusTM and COfilerTM STR Loci (Bagdonavicius, A. Turbett, GR, Buckleton, JS, and Walsh, SJ), Sept., 1149

Document analysis

Individuality of handwriting (Srihari, SN, Cha, SH, Arora, H, and Lee, S), July, 856

Document examination

Comparison of the elemental composition of office document paper: evidence in a homicide case (Spence, LD, Francis, RB, and Tinggi, U), May, 648

Review of: questioned documents: a lawyer's handbook (McKasson, S), May, 704

Document paper

Comparison of the elemental composition of office document paper: evidence in a homicide case (Spence, LD. Francis, RB, and Tinggi, U), May, 648

Domestic terrorism

An epidemiological assessment of problematic contacts to members of congress (Scalora, MJ, Baumgartner, JV, Zimmerman, W, Callaway, D, Hatch Maillette, MA, Covell, CN, Palarea, RE, Krebs, JA, and Washington, DO), Nov., 1360

Doping

Hair analysis of seven bodybuilders for anabolic steroids, ephedrine, and clenbuterol (Dumestre-Toulet, V, Cirimele, V, Ludes, B, Gromb, S, and Kintz, P), Jan., 211

Doping control case

Successful DNA typing of a urine sample in a doping control case using a human mitochondrial DNA analysis (Junge, A, Steevens, M, and Madea, B), Sept., 1022

Double parricide

Double parricide: forensic analysis and psychologal implications (Weisman, AM, Ehrenclou, MC, and Sharma, KK). March, 313

Driving

The use of oral fluid and sweat wipes for the detection of drugs of abuse in drivers (Samyn, N. De Beock, G. and Verstraete, AG), Nov., 1380

Driving impairment

Prevalence of drug use in commercial tractor-trailer drivers (Couper, FJ, Pemberton, M, Jarvis, A, Hughes, M, and Logan, BK), May, 562

Drowning

Bodies found in the waterways of New York City (Lucas, J, Goldfeder, LB. and Gill, JR), Jan., 137

Skeletal remains presumed submerged in water for three years identified using PCR-STR analysis (Crainic, K, Paraire, F, Leter-

reux, M, Durigon, M, and de Mazancourt, P), Sept., 1025

Suicide by drowning: a 20-year review (Wirthwein, DP, Barnard, JJ, and Prahlow, JA), Jan., 131

Drug facilitated sexual assault

Review of: drug-facilitated sexual assault: a forensic handbook (Logan, BK), Nov., 1411

Drug recognition expert

Prevalence of drug use in commercial tractor-trailer drivers (Couper, FJ, Pemberton, M, Jarvis, A, Hughes, M, and Logan, BK), May, 562

Drug-facilitated

Drug-facilitated sexual assault involving gamma-hydroxybutyric acid (Stillwell, ME), Sept., 1133

Drug-facilitated sexual assault

The behavioral and cognitive effects of two benzodiazepines associated with drug-facilitated sexual assault (Dowd, SM, Strong, MJ, Janicak, PG, and Negrusz, A), Sept., 1101

Drugs

Drug-facilitated sexual assault involving gamma-hydroxybutyric acid (Stillwell, ME), Sept., 1133

Estimation of the quantity of a drug in a consignment from measurements on a sample (Aitken, CGG and Lucy, D), Sept., 968

Drugs of abuse

Concentrations of unconjugated morphine, codeine and 6-acetylmorphine in urine specimens from suspected drugged drivers (Ceder, G and Jones, AW), March, 366

nuir

Concentrations of unconjugated morphine, codeine and 6-acetylmorphine in urine specimens from suspected drugged drivers (Ceder, G and Jones, AW), March, 366

Dyes

Evaluation of laser desorption mass spectrometry and UV accelerated aging of dyes on paper as tools for the evaluation of a questioned document (Grim, DM, Siegel, J. and Allison, J), Nov.. 1265

DYS19

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene, M, Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E, Moreno, P, and Corbella, J), Sept., 1156 Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694 Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das, B, Chauhan, PS, and Seshadri, M), May, 692

DYS385

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene. M. Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E. Moreno. P, and Corbella, J), Sept., 1156

DYS389 (I and II)

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene, M, Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E, Moreno, P, and Corbella, J). Sept., 1156

DYS389I

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das. B, Chauhan, PS, and Seshadri. M), May, 692

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethnic groups of Western India (Das, B, Chauhan, PS, and Seshadri, M), May, 692

Three Y-chromosome STR frequencies in a population from Equatorial Guinea (central Africa) (Alvarez, S, López-Parra, AM, Mesa, MA, Jimenez, V, Herrera, SJ, Bandres, F, Arraztio, A, Rubio, JM, and Arroyo-Pardo, E), Jan., 224

DYS389II

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das, B, Chauhan, PS, and Seshadri, M), May, 692

DYS390

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene, M, Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E, Moreno, P, and Corbella, J), Sept., 1156 Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

DYS391

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra. AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das, B, Chauhan, PS, and Seshadri, M), May, 692

DYS393

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May. 694

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das, B. Chauhan, PS, and Seshadri, M), May, 692

DYS434

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

DYS437

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

DYS438

Genetic variation at three DYS-STR loci and amelogenin between the Australian Caucasians and three Asian ethnic groups (Chang, YM. Both, K, and Burgoyne, LA), July, 918

DYS439

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

 \mathbf{E}

Echinococcosis

Sudden death due to an unrecognized cardiac hydatid cyst (Malamou-Mitsi, V, Pappa, L. Vougiouklakis, T, Peschos, D, Kazakos, N, Grekas, G, Sideris, D, and Agnantis, NJ), Sept., 1062

Editorial

Editorial (Peat, MA), May, 439 President's editorial—the changing practice of forensic science (Jones, GR), May, 437

Electric angle grinder

Author's response (Telmon, N and Allery, JP), May, 703

Commentary on: Telmon N. Allery J-P. Scolan V, Rougé D. Fatal cranial injuries caused by an electric angle grinder. J Forensi Sci 2001;46(2):389–391. (Francois Boudreau, JB and Heggtveit, HA), May, 702

Electrocution

Medical aspects of capital punishment executions (Khan, A and Leventhal, RM), July, 847

Electrospray ionization

Ballpoint pen inks: characterization by positive and negative ion-electrospray ionization mass spectrometry for the forensic examination of writing inks (Ng, LK, Lafontaine, P, and Brazeau, L), Nov.. 1238

Electrospray ionization mass spectrometry

Determination of luminescent europium β-diketonates used as tracers for shadowing pursuits (Kurata, S, Hirano, H, and Nagai, M), July, 797

Element

Levels of trace and major elements in illicit heroin (Bora, T, Merdivan, M, and Hamamci, C), Sept., 959

Elemental analysis

Compositional variation in bullet lead manufacture (Koons, RD and Grant, DM), Sept., 950

Interpretation of glass composition measurements: the effects of match criteria on discrimination capability (Koons, RD and Buscaglia, J), May, 505

Elemental composition

Comparison of the elemental composition of office document paper: evidence in a homicide case (Spence, LD, Francis, RB, and Tinggi, U), May, 648

Elementary profile

Comparison of the elemental composition of office document paper: evidence in a homicide case (Spence, LD, Francis, RB, and Tinggi, U), May, 648

Encephalitis

Fatal meningitis and encephalitis due to *Bartonella henselae* bacteria (Gerber, JE, Johnson, JE, Scott, MA, and Madhusudhan, KT), May, 640

Engineering

An approach to individual video camera identification (Kurosawa, K, Kuroki, K, and Saitoh, N), Jan., 97

Entomology

Review of: forensic entomology: The utility of arthropods in legal investigation (Kim, KC), Sept., 1181

EnVision+

Determination of ABO blood grouping from human oral squamous epithelium by the highly sensitive immunohistochemical staining method EnVision+ (Noda, H, Yokota, M, Tatsumi, S, and Sugiyama, S), March, 341

Ephedrine

Enantiomeric separation of methamphetamine and related analogs by capillary zone electrophoresis: intelligence study in routine methamphetamine seizures (Cheng, WC, Lee, WM, Chan, MF, Tsui, P, and Dao, KL), Nov., 1248

Equivocal deaths

Psychological autopsies: the current department of defense effort to standardize training and quality assurance (Ritchie, EC and Gelles, MG), Nov., 1370

Erotomania

De Clérambault's Syndrome (erotomania) and claims of psychiatric malpractice (Goldstein, RL and Laskin, AM). July, 852

Erratum

Erratum/correction of predicting violent behavior in stalkers: a preliminary investigation in criminal harassment. J Forensic Sci 2001;46(6):1403–1410. May, 714

Ethanol

Postmortem blood and vitreous humor ethanol concentrations in a victim of a fatal motor vehicle crash (Hardin, GG), March, 402

Ethical codes

Review of: Ethics in forensic science: professional standards for the practice of criminalistics [a volume in the protocols in forensic science series] (Nordby, JJ), Sept., 1184

Ethidium homodimer

Visualization of postmortem chondrocyte damage by vital staining and confocal laser scanning 3D microscopy (Lasczkowski, GE, Aigner, T, Gamerdinger, U, Weiler, G, and Bratzke, H), May, 663

Ethmoid air cells

Identification of human skeletal remains by comparison of bony details of the cranium using computerized tomographic (CT) scans (Smith, DR, Limbird, KG, and Hoffman, JM), Sept., 937

Ethyl centralite

A qualitative comparison of smokeless powder measurements (MacCrehan, WA and Reardon, MR), Sept.. 996

Associating gunpowder and residues from commercial ammunition using compositional analysis (MacCrehan, WA, Reardon, MR, and Duewer, DL). March, 260

European-American

Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations (Kayser, M, Brauer, S, Willuweit, S, Schädlich, H, Batzer, MA, Zawacki, J. Prinz. M, Roewer, L, and Stoneking, M), May, 513

Europium β-diketonates

Determination of luminescent europium β-diketonates used as tracers for shadowing pursuits (Kurata, S, Hirano, H, and Nagai, M), July, 797

Evidence samples

Stability and detectability of lachrymators and their degradation products in evidence samples (Kataoka, M, Seto, Y, Tsuge, K, and Noami, M), Jan., 44

Executions

Medical aspects of capital punishment executions (Khan, A and Leventhal, RM), July. 847

Explosives

A gradient reversed phase HPLC procedure for smokeless powder comparison (Wissinger, CE and McCord, BR), Jan., 168

Extrusion lines

3D measurements on extrusion marks in plastic bags (Berx, V and De Kinder, J), Sept., 976

F

F13A

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

F13B

Population study of seven microsatellites in Alagoas—Northeastern Brazil (da Silva, LA, Pimentel, BJ. de Azevedo, DA, da Silva, EN, and dos Santos, SS), Nov., 1399

Fabric

Detection of pepper spray residues on fabrics using liquid chromatography-mass spectrometry (Reilly, CA, Crouch, DJ, Yost, GS, and Andrenyak, DM), Jan., 37

Face

Do resemblance ratings measure the accuracy of facial approximation? (Stephan, CN), March, 239

Review of: Craniofacial identification in forensic medicine (Fenton, TW). Jan., 235

Facial reconstruction

Do resemblance ratings measure the accuracy of facial approximation? (Stephan, CN), March, 239

Facial approximation: globe projection guideline falsified by exophthalmonumetry literature (Stephen, CN). July, 730

Facial reproduction

Do resemblance ratings measure the accuracy of facial approximation? (Stephan, CN), March, 239

Facial approximation: globe projection guideline falsified by exophthalmommetry literature (Stephen, CN), July, 730

Facial tissue depth standards

In vivo facial tissue depth measurements for White British children (Wilkinson, CM), May, 459

Fat embolization

Deaths associated with liposuction: case reports and review of the literature (Platt, MS, Kohler, LJ, Ruiz, R. Cohle, SD, and Ravichandran, P), Jan., 205

Fatty acid methyl ester

Chemical analysis of vegetable oils following spontaneous ignition (Coulombe, R), Jan., 195

Feature extraction

Individuality of handwriting (Srihari, SN, Cha, SH, Arora, H, and Lee, S), July. 856

Feces sample

Extraction of human nuclear DNA from feces samples using the QIAamp DNA stool mini kit (Vandenberg, N and van Oorschot, RAH), Sept., 993

Femur

Validation of a radiographic method to establish new fetal growth standards: radioanatomical correlation (Piercecchi-Marti, MD, Adalian, P, Bourliere-Najean, B, Gouvernet, J, Maczel, M, Dutour. O, and Leonetti, G), March. 328

FESFPS

The effect of 1,2-indanedione. a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

Fetus

Fetal gunshot wound characteristics (Catanese, CA and Gilmore, K), Sept., 1067 Validation of a radiographic method to establish new fetal growth standards: radioanatomical correlation (Piercecchi-Marti, MD, Adalian, P, Bourliere-Najean, B, Gouvernet, J, Maczel, M, Dutour, O, and Leonetti, G), March, 328

Fibromuscular displaysia

The spectrum of intramyocardial small vessel disease associated with sudden death (Veinot, JP, Johnston, B, Acharya, V, and Healey, J), March, 384

Fingernail clippings

Typing of the locus DYS19 from DNA derived from fingernail clippings using PCR ConcertTM rapid purification system (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B, and Padula, RA), Jan., 175

Fingerprint

Advanced solvent-free application of ninhydrin for detection of latent fingerprints on thermal paper and other surfaces (Schwartz, L and Frerichs, I), Nov., 1274

Fingerprint detection

Author's response (Lewis, LA), May, 701 Commentary on: Lewis LA et al. Processes involved in the development of latent fingerprints using the cyanocrylate fuming method. J Forensic Sci 2001;46(2):241–246. (Geller, B), May, 700

Review of: contrast: an investigator's basic reference guide to fingerprint identification (Sinke, MJ), May, 708

Fingerprint development

Evaluation of some oxygen, sulfur, and selenium substituted ninhydrin analogues, nitrophenylninhydrin and benzo[f]furoninhydrin (Kobus, HJ, Pigou, PE, Jahangiri, SJ, and Taylor, B), March, 254

Fingerprint identification

Review of: advances in fingerprint technology, second edition (Sinke, MJ), May, 707

Fingerprint technolgy

Review of: advances in fingerprint technology, second edition (Sinke, MJ), May, 707

Fingerprints

Chemical composition of fingerprints for gender determination (Asano, KG, Bayne, CK, Horsman, KM, and Buchanan, MV), July, 805

Comparison of the elemental composition of office document paper: evidence in a homicide case (Spence, LD, Francis, RB, and Tinggi, U), May, 648

Extension of the color suite available for chemical enhancement of fingerprints in blood (Caldwell, JP and Kim, ND), March, 332

Trace DNA: a review, discussion of theory, and application of the transfer of trace quantities of DNA through skin contact (Wickenheiser, RA), May, 442

Fire debris

A study of the effects of a micelle encapsulator fire suppression agent on dynamic headspace analysis of fire debris samples (McGee, E and Lang, TL), March, 267 Forensic analysis of ignitable liquids in fire debris by comprehensive two-dimensional gas chromatography (Frysinger, GS and Gaines, RB), May, 471

Fire origin and causes

Chemical analysis of vegetable oils following spontaneous ignition (Coulombe, R), Jan., 195

Fire suppression agent

A study of the effects of a micelle encapsulator fire suppression agent on dynamic headspace analysis of fire debris samples (McGee, E and Lang, TL), March, 267

Firearm investigation

Gunshot residue deposits on the gas pistons of assault rifles (Migeot, G and De Kinder, J), July, 808

Firearms discharge residue (FDR)

Handguns and ammunitions indicators extracted from the GSR analysis (Lebiedzik, J and Johnson, DL), May, 483

Firearms identification

Development of a 3D-based automated firearms evidence comparison system (Bachrach, B), Nov., 1253

Firelog

Analysis of artificial fireplace logs by high temperature gas chromatography (Kuk, RJ), Nov., 1288

FISH

Use of a Y chromosome probe as an aid in the forensic proof of sexual assault (Dziegelewski, M, Simich. JP, and Rittenhouse-Olson, K), May, 601

Flunitrazepam

The behavioral and cognitive effects of two benzodiazepines associated with drug-facilitated sexual assault (Dowd, SM, Strong, MJ, Janicak, PG, and Negrusz, A), Sept..

Fluorescence

Improving the effectiveness of fluorescence for the detection of semen staines on fabrics (Kobus, H., Silenieks, E., and Scharnberg, J). July. 819

Fluorescence analysis

Trace elemental analysis of drugs of abuse using synchrotron radiation total reflection X-ray fluorescence analysis (SR-TXRF) (Muratsu, S, Ninomiya, T, Kagoshima, Y, and Matsui, J), Sept., 944

Fluorescence spectrophotometry

Determination of luminescent europium βdiketonates used as tracers for shadowing pursuits (Kurata, S, Hirano, H, and Nagai, M), July, 797

Fluorescent in situ hybridization

Use of a Y chromosome probe as an aid in the forensic proof of sexual assault (Dziegelewski, M. Simich, JP, and Rittenhouse-Olson, K), May, 601

Fluorescent markers

Development of fluorescent markers using polycyclic aromatic hydrocarbons with vaseline (Kurata, SK, Hirano, H. and Nagai, M), March. 244

Fluoroacetic acid

The identification of sodium fluoroacetate (Compound 1080) employing NMR spectroscopy (Kirms, MA and Kirms, LM), May, 573

Fluvial transport

Fluvial transport of human remains in the Lower Mississippi River (Bassett, HE and Manheim, MH), July, 719

Using pre- and post-surgical foot and ankle radiographs for identification (Rich, J, Tatarek, NE, Powers, RH, Brogdon, BG, Lewis, BJ, and Dean, DE), Nov., 1319

Footwear

Identification of decomposed human remains from radiographic comparisons of an unusual foot deformity (Sudimack, JR, Lewis, BJ, Rich, J, Dean, DE, and Fardal, PM), Jan., 218

Forensic anthropologist

A test of the Phenice method for the estimation of sex (Ubelaker, DH and Volk, CG), Jan., 19

Age estimation by measuring the racemization of aspartic acid from total amino acid content of several types of bone and rib cartilage: a preliminary account (Ohtani, S, Matsushima, Y, Kobayashi, Y, and Yamamoto, T), Jan., 32

New formulae for estimating stature in the Balkans (Ross, AH and Konigsberg, LW), Jan., 165

Variation in midfacial tissue thickness of African-American children (Williamson, MA, Nawrocki, SP, and Rathbun, TA), Jan.,

Forensic anthropology

Analysis of pilot-related equipment and archaeological strategy in the recovery of aircrew losses from the Vietnam War (Moore II, CE, Davis, BD, and Leney, MD), Nov., 1210 Authors' response (McBride, DG), March,

Commentary on: McBride DG, Dietz MJ, Vennemeyer MT, Meadors ST, Benfer RA, Furbee NL. Bootstrap methods for sex determination from the os coxae using the ID3 algorithm. J Forensic Sci 2001;46:424-428. (Konigsberg, LW, Herrmann, NP, and Wescott, DJ), March, 424

Facial approximation: globe projection guideline falsified by exophthalmommetry literature (Stephen, CN), July, 730

Interobserver variation of selected postcranial skeletal measurements (Adams, BJ and Byrd, JE), Nov., 1193

Mandibular ramus height as an indicator of human infant age (Norris, SP), Jan., 8

Post-cremation taphonomy and artifact preservation (Warren, MW and Schultz, JJ), May, 656

Radiographic identification using the clavicle of an individual missing from the Vietnam conflict (Adams, BJ and Maves, RC), March, 369

Review of: introduction to forensic anthropology: a textbook (Rowe, WF), Nov., 1

The use of SEM/EDS analysis to distinguish dental and osseous tissue from other materials (Ubelaker, DH, Ward, DC, Braz. VS, and Stewart, J), Sept., 940

Validation of a radiographic method to establish new fetal growth standards: radioanatomical correlation (Piercecchi-Marti. MD, Adalian, P, Bourliere-Najean, B, Gouvernet, J, Maczel, M. Dutour, O, and Leonetti, G), March, 328

Variability of the pattern of aging on the human skeleton: evidence from bone indicators and implications on age at death estimation (Schmitt, A, Murail, P. Cunha, E, and Rougé, D), Nov., 1203

Forensic archeology

Analysis of pilot-related equipment and archaeological strategy in the recovery of aircrew losses from the Vietnam War (Moore II, CE, Davis. BD, and Leney, MD), Nov., 1210

Forensic art

Review of: Forensic art and illustration (Walter, RD), July, 925

Forensic behavioral science

Newborn kidnapping by Cesarean section (Burgess, AW, Baker, T, Nahirny, C, and Rabun, JB), July, 827

Forensic biology

Improving the effectiveness of fluorescence for the detection of semen staines on fabrics (Kobus, H. Silenieks, E. and Scharnberg, J). July, 819

Forensic cytopathology

Sudden death due to an unrecognized cardiac hydatid cyst (Malamou-Mitsi, V, Pappa, L. Vougiouklakis, T, Peschos, D. Kazakos, N, Grekas, G, Sideris, D, and Agnantis, NJ), Sept., 1062

Forensic dentistry

Dental participants in mass disasters—a retrospective study with future implications (Pretty, IA, Webb, DA, and Sweet, D), Jan.,

Digital imaging methods as an aid in dental identification of human remains (Bowers, CM and Johansen, RJ), March, 354

Forensic implications of biting behavior: a conceptually underdeveloped area of investigation (Webb, DA, Sweet, D, Hinman, DL, and Pretty, IA), Jan., 103

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Significance of the recent extraction to the postmortem dental identification: a case study (Carmichael, WW). Sept., 1046

The use of quantitative light-induced fluorescence (QLF) to identify composite restorations in forensic examinations (Pretty, IA, Smith, PW, Edgar, WM, and Higham, SM), July, 831

Forensic engineering

Review of: forensic engineering investigation (Batterman, S), May, 712

Forensic entomology

Effect of temperature on development of Liopygia (= Sarcophaga) Argyrostoma (Robineau-Desvoidy)(Diptera: Sarcophagidae) and its forensic implications (Grassberger, M and Reiter, C), Nov., 1332

Time of submergence using aquatic invertebrate succession and decompositional changes (Hobischak, NR and Anderson, GS), Jan., 142

Forensic genetics

Population data for the STR systems D3S1358, D8S1179, D18S51, D21S11, and the Y-chromosomal DYS385 in a population sample from Lower Franconia (South Germany) (Jung, S and Patzelt, D), Sept., 1145

Y-Chromosome STR haplotypes in centralwest African immigrant in Spain population sample (Gamero, JJ, Romero, JL, González, JL, Carvalho, M, Anjos, MJ, Real, FC, Vieira, DN, and Vide, MC), March, 421

Forensic identification

Validation of chest X-ray comparisons for unknown decedent identification (Kuehn, CM, Taylor, KM, Mann, FA, Wilson, AJ, and Harruff, RC), July, 725

Forensic investigation

Identification of human urine stains by HPLC analysis of 17-ketosteroid conjugates (Nakazono, T, Kashimura, S, Hayashiba, Y, Hisatomi, T, and Hara, K), May, 568

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das. B. Chauhan, PS, and Seshadri, M). May, 692

Y-chromosomal STR haplotypes in two population groups of Kerala in South India (Das, B, Chauhan, PS, and Seshadri, M), May, 690

Forensic markers

Detection of pepper spray residues on fabrics using liquid chromatography-mass spectrometry (Reilly, CA. Crouch, DJ, Yost, GS, and Andrenyak, DM), Jan.. 37

Forensic medicine

Discovery of decomposed and mummified corpses in the domestic setting—a marker of social isolation? (Hönigschnabl, S, Schaden, E, Stichenwirth, M, Schneider, B, Klupp, N, Kremeier, E, Lehner, W, Vycudilik, W, Bauer, G, and Risser, D), July, 837

Forensic minerology

Identification of stolen rare palm trees by soil morphological and mineralogical properties (Lee, BD, Williamson, TN, and Graham, RC), Jan., 190

Forensic odontology

Digital imaging methods as an aid in dental identification of human remains (Bowers, CM and Johansen, RJ). March, 354

Jonestown tragedy revisited: the role of dentistry (Brannon, RB and Morlang, WM), Jan., 3

Nutrient canals of the alveolar process as an anatomic feature for dental identifications (Fielding, CC), March, 381

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Significance of the recent extraction to the postmortem dental identification: a case study (Carmichael, WW), Sept., 1046

The crash of LOT flight 007: dental identification (Brannon, RB and Morlang, WM), Nov., 1323

The efficiency of an X-ray screening system at a mass disaster (Goodman, NR and Edelson, LB), Jan., 127

Forensic pathologist

Review of: introduction to forensic anthropology: a textbook (Rowe, WF), Nov., 1

Forensic pathology

Bodies found in the waterways of New York City (Lucas. J, Goldfeder, LB. and Gill, JR). Jan., 137

Deaths associated with liposuction: case reports and review of the literature (Platt, MS, Kohler, LJ, Ruiz, R, Cohle, SD, and Ravichandran, P), Jan., 205

Identification of decomposed human remains from radiographic comparisons of an unusual foot deformity (Sudimack, JR, Lewis, BJ, Rich, J, Dean, DE, and Fardal. PM), Jan.. 218

Ten years of "body packers' in New York City: 50 deaths (Gill, JR and Graham, SM), July, 843

Using pre- and post-surgical foot and ankle radiographs for identification (Rich, J, Tatarek, NE, Powers, RH, Brogdon, BG, Lewis, BJ, and Dean, DE), Nov., 1319

Forensic physics

Gunshot location through recorded sound: a preliminary report (Pregliasco, RG and Martínez, EN), Nov., 1309

Forensic psychiatry

De Clérambault's Syndrome (erotomania) and claims of psychiatric malpractice (Goldstein, RL and Laskin, AM), July, 852 Factors predictive of changes in the legal status of psychiatric inpatients (Anand, VS, Ciccone, JR, Kashtan, I, and Seger, A), Nov., 1365

Fiery tongues and mystical motivations: glossolalia in a forensic population is associated with mania and sexual/religious delusions (Hempel, AG, Meloy, JR, Stern, R, Ozone, SJ, and Gray, BT), March, 305 Stalking following the breakup of romantic relationships: characteristics of stalking former partners (Roberts, KA), Sept., 1070 The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva, JA, Ferrari, MM, and Leong, GB), Nov., 1347

Forensic psychology

Factors predictive of changes in the legal status of psychiatric inpatients (Anand, VS, Ciccone, JR, Kashtan, I, and Seger, A), Nov., 1365

Fiery tongues and mystical motivations: glossolalia in a forensic population is associated with mania and sexual/religious delusions (Hempel, AG, Meloy, JR, Stern, R, Ozone, SJ, and Gray, BT), March, 305

Forensic radiology

Charred body: virtual autopsy with multislice computed tomography and magnetic resonance imaging (Thali, MJ, Yen, K, Plattner. T, Schweitzer, W, Vock, P, Ozdoba, C, and Dirnhofer, R), Nov., 1326 Forensic radiology with cross-section modalities: spiral CT evaluation of a knife wound to the aorta (Thali, M, Schwab, CM, Tairi, K, Dirnhofer, R, and Vock, P), Sept., 1041

Forensic science

A fatal case of cocaine poisoning in a body packer (Furnari, C, Ottaviano, V, Sacchetti, G, and Mancini, M), Jan., 208

A gradient reversed phase HPLC procedure for smokeless powder comparison (Wissinger, CE and McCord, BR), Jan., 168 A test of the Phenice method for the estimation of sex (Ubelaker, DH and Volk, CG), Jan., 19

Age estimation by measuring the racemization of aspartic acid from total amino acid content of several types of bone and rib cartilage: a preliminary account (Ohtani, S, Matsushima, Y, Kobayashi, Y, and Yamamoto, T), Jan., 32

Allele frequency distribution for nine fluorescent based STR loci in Tamil population (South India) (Panneerchelvam, S. Vanaja, N. Goud, CV, Sheeba, A, Rao, GV, and Damodaran, C), Jan., 226

Allele frequency distribution of two minisatellite loci (D19S20 and ApoB 3' VNTR) among five distinct population groups of India (Das, B, Chauhan, PS, and Seshadri, M), Jan., 229

An approach to individual video camera identification (Kurosawa, K, Kuroki, K, and Saitoh, N), Jan., 97

Application of Lamendin's adult dental aging technique to a diverse skeletal sample (Prince, DA and Ubelaker, D), Jan., 107 Author's response (Telmon, N and Allery, JP), May, 703

Author's response (Houck, MM), May, 699 Author's response (Lewis, LA), May, 701 Bodies found in the waterways of New York City (Lucas, J, Goldfeder, LB, and Gill, JR), Jan., 137

Chemical analysis of vegetable oils following spontaneous ignition (Coulombe, R), Jan., 195

Commentary on: Rompen JC, Meek MF, van Andel MV. A Cause Celebre: the So-Called "Ballpoint Murder." J Forensic Sci 2000;45(5):1144–1147 (van Leuven, B, Visser, R, and Geradts, Z), Jan., 234

Commentary on: Lewis LA et al. Processes involved in the development of latent fingerprints using the cyanocrylate fuming method. J Forensic Sci 2001;46(2):241–246. (Geller, B), May, 700

Commentary on: Telmon N, Allery J-P, Scolan V, Rougé D. Fatal cranial injuries caused by an electric angle grinder. J Forensi Sci 2001;46(2):389–391. (Francois

Boudreau, JB and Heggtveit, HA), May,

Constructing universal multiplex PCR systems for comparative genotyping (Wallin, JM, Holt, CL, Lazaruk, KD, Nguyen, TH, and Walsh, PS), Jan., 52

Deaths associated with liposuction: case reports and review of the literature (Platt, MS. Kohler, LJ, Ruiz, R, Cohle, SD, and Ravichandran, P), Jan., 205

Dental participants in mass disasters—a retrospective study with future implications (Pretty, IA, Webb, DA, and Sweet, D), Jan., 117

Detection of ketosis in vitreous at autopsy after embalming (Steinhauer, JR, Volk, A, Hardy, R, Konrad, R, Daly, T, and Robinson, CA), Jan., 221

Detection of pepper spray residues on fabrics using liquid chromatography-mass spectrometry (Reilly, CA, Crouch, DJ. Yost, GS, and Andrenyak, DM), Jan., 37 Disposition of citalogram in biological specimens from postmortem cases (Jenkins, AJ and Gubanich, K), Jan., 159

Ecstasy (MDMA) deaths in New York City: a case series and review of the literature (Gill, JR, Hayes, JA, seSouza, IS, Marker, E, and Stajic, M), Jan., 121

Editorial (Peat, MA), May, 439

Erratum/correction of predicting violent behavior in stalkers: a preliminary investigation in criminal harassment. J Forensic Sci 2001;46(6):1403-1410. May, 714

Estimation of postmortem interval from hypoxic inducible levels of vascular endothelial growth factor (Thaik-Oo, M, Tanaka, E, Tsuchiya, T, Kominato, Y, Honda, K, Yamazaki, K, and Misawa, S), Jan., 186

Forensic implications of biting behavior: a conceptually underdeveloped area of investigation (Webb, DA, Sweet, D, Hinman, DL, and Pretty, IA), Jan., 103

Hair analysis of seven bodybuilders for anabolic steroids, ephedrine, and clenbuterol (Dumestre-Toulet, V, Cirimele, V, Ludes, B, Gromb, S, and Kintz, P), Jan., 211

Haplotype frequencies for two new Y-STR loci in Chinese population (Zhang, J. Hou, Y, Tang, J, Li, Y, and Wu, J), Jan., 232

Identification of decomposed human remains from radiographic comparisons of an unusual foot deformity (Sudimack, JR, Lewis, BJ, Rich, J, Dean, DE, and Fardal. PM), Jan., 218

Identification of stolen rare palm trees by soil morphological and mineralogical properties (Lee, BD, Williamson, TN, and Graham, RC), Jan., 190

Jonestown tragedy revisited: the role of dentistry (Brannon, RB and Morlang, WM), Jan., 3

Mandibular ramus height as an indicator of human infant age (Norris, SP), Jan., 8

New formulae for estimating stature in the Balkans (Ross, AH and Konigsberg, LW), Jan., 165

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Population data on the three STR loci in the Upper Silesia (Poland) (Raczek, E), Jan.,

Population-specific histological age-estimating method: a model for known African-American and European-American skeletal remains (Cho, H, Stout, SD, Madsen, RW, and Streeter, MA), Jan., 12

President's editorial—the changing practice of forensic science (Jones, GR), May, 437 Review of: advances in fingerprint technology, second edition (Sinke, MJ), May, 707 Review of: clinical and forensic applications of capillary electrophoresis, first edition (Tagliaro, F and Bortolotti, F), May,

Review of: contrast: an investigator's basic reference guide to fingerprint identification (Sinke, MJ), May, 708

Review of: craniofacial identification in forensic medicine (Fenton, TW), Jan., 235 Review of: digital analysis of bite mark evidence using Adobe® Photoshop® (Kenney, JP), May, 709

Review of: forensic DNA typing (Sensbaugh, GF), May, 705

Review of: forensic engineering investigation (Batterman, S), May, 712

Review of: handbook of analytical separations, volume 2, forensic science (Isenschmid, DS), May, 710

Review of: Questioned documents: a lawyer's handbook (McKasson, S), May,

Review of: the Robert F. Borkenstein International Symposium on Alcohol and Forensic Science-the Influence of Alcohol and Drugs on Transportation Safety (Caplan, YH), May, 706

Stability and detectability of lachrymators and their degradation products in evidence samples (Kataoka, M, Seto, Y, Tsuge, K, and Noami, M), Jan., 44

Stalking: developing an empirical typology to classify stalkers (Del Ben, K and Fremouw, WJ), Jan., 152

Suicide by drowning: a 20-year review (Wirthwein, DP, Barnard, JJ, and Prahlow, JA), Jan., 131

The efficiency of an X-ray screening system at a mass disaster (Goodman, NR and Edelson, LB), Jan., 127

Three Y-chromosome STR frequencies in a population from Equatorial Guinea (central Africa) (Alvarez, S, López-Parra, AM, Mesa, MA, Jimenez, V, Herrera, SJ, Bandres, F, Arraztio, A, Rubio, JM, and Arroyo-Pardo, E), Jan., 224

Time of submergence using aquatic invertebrate succession and decompositional changes (Hobischak, NR and Anderson, GS), Jan., 142

TWGDAM validation of AMPFℓSTR™ PCR amplification kits for forensic DNA casework (Holt, CL, Buoncristiani, M, Wallin, JM, Nguyen, T, Lazaruk, KD, and Walsh, PS), Jan., 66

Typing of the locus DYS19 from DNA derived from fingernail clippings using PCR ConcertTM rapid purification system (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B, and Padula, RA), Jan., 175 Typing Y chromosome STR haplotypes using redesigned primers (Hou, Y, Zhang, J, Sun, D, Li, Y, Wu, J, Zhang, S, and Prinz, M), Jan., 215

Unexpected death due to infectious mononucleosis (Byard, RW), Jan., 202 Variation in midfacial tissue thickness of African-American children (Williamson, MA, Nawrocki, SP, and Rathbun, TA), Jan., 25

Forensic taphonomy

Review of: advances in forensic taphonomy: method, theory, and archaeological perspectives (Rowe, WF), Nov., 1407

Forensic toxicology

A case of homicide by lethal injection with Lidocaine (Kalin, JR and Brissie, RM), Sept., 1135

Ecstasy (MDMA) deaths in New York City: a case series and review of the literature (Gill, JR, Hayes, JA, seSouza, IS, Marker, E, and Stajic, M). Jan., 121

Postmortem blood and vitreous humor ethanol concentrations in a victim of a fatal motor vehicle crash (Hardin, GG), March,

Postmortein concentrations of citalogram (Anastos, N, McIntyre, IM, Lynch, MJ, and Drummer, OH), July, 882

Review of: handbook of analytical separations, volume 2, forensic science (Isenschmid, DS), May, 710

The use of oral fluid and sweat wipes for the detection of drugs of abuse in drivers (Samvn, N. De Beock, G. and Verstraete, AG), Nov., 1380

Forensics

Detection of a primer-binding site polymorphism for the STR locus D16S539 using the Powerplex® 1.1 system and validation of a degenerate primer to correct for the polymorphism (Nelson, MS, Levedakou, EN, Matthews, JR, Early, BE, Freeman, DA, Kuhn, CA, Sprecher, CJ, Amin, AS, McElfresh, KC, and Schumm, JW), March, 345

Fragmented and commingled remains

The efficiency of an X-ray screening system at a mass disaster (Goodman, NR and Edelson, LB), Jan., 127

Fraternal twins

Author's response (Wisecarver, JL and Rubocki, RJ), Sept., 1174

Commentary on: Rubocki RJ, McCue BJ, Duffy KJ, Shepard KL, Shepherd SJ, Wisecarver JL. Natural DNA mixtures generated in fraternal twins in utero. J Forensic Sci 2001:46(1):120–125 (Segal, NL), Sept., 1174

Friction threshold

Utilized coefficient of friction during walking: static estimates exceed measured values (Powers, CM, Burnfield, JM, Lim, P, Brault, JM, and Flynn, JE), Nov., 1303

Frontal sinus

Identification of human skeletal remains by comparison of bony details of the cranium using computerized tomographic (CT) scans (Smith, DR, Limbird, KG, and Hoffman, JM), Sept., 937

Skeletal identification using the frontal sinus region: a retrospective study of 39 cases (Kirk, NJ, Wood, RE. and Goldstein, M), March, 318

G

Gas chromatography

Analysis of artificial fireplace logs by high temperature gas chromatography (Kuk, RJ), Nov., 1288

Fatal and nonfatal poisoning by hydrogen sulfide at an industrial waste site (Kage, S, Kashimura, S, Ikeda, H, Kudo, K, and Ikeda, N), May. 652

Forensic analysis of ignitable liquids in fire debris by comprehensive two-dimensional gas chromatography (Frysinger, GS and Gaines, RB), May, 471

Gas chromatography-mass spectrometry

A study of the effects of a micelle encapsulator fire suppression agent on dynamic headspace analysis of fire debris samples (McGee, E and Lang, TL), March, 267

Gasoline

Forensic analysis of ignitable liquids in fire debris by comprehensive two-dimensional gas chromatography (Frysinger, GS and Gaines, RB), May, 471

GC

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

GC/MS

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos, BJ, Froneman, M, Rohwer, E, and Sutherland, DA), July, 736

Isotopic analogs as internal standards for quantitative GC/MS analysis—molecular abundance and retention time difference as interference factors (Chang, W-T, Smith, J, and Liu, RH), July, 873

GC/MS/MS

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos, BJ, Froneman, M, Rohwer, E. and Sutherland, DA), July, 736

GC-MS

Concentrations of unconjugated morphine, codeine and 6-acetylmorphine in urine specimens from suspected drugged drivers (Ceder, G and Jones, AW), March, 366

Genetic database

D1S80 population data in eight predominant populations of India (Trivedi, R, Chattopadhyay, P, Dutta, R, Sarkar, N, Sharma, AK, and Kashayp, VK), May, 676

Genomic DNA

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Genotype

Author's response (Çakir, AH), July, 922

Genotypes

Author's response (Perlin, MW), Sept., 1177

Genotyping

Extraction of human nuclear DNA from feces samples using the QIAamp DNA stool mini kit (Vandenberg, N and van Oorschot, RAH). Sept., 993

Geographic profiling

Commentary on: Rossi D. Review of: Geographic profiling, J Forensic Sci 2001; 46(3):765 (Rossmo, DK), Sept., 1175

GHB detection

Review of: Benzodiazepines and GHB detection and pharmacology (Logan, BK), Sept., 1186

Glass

Interpretation of glass composition measurements: the effects of match criteria on discrimination capability (Koons, RD and Buscaglia, J), May, 505

Review of: forensic interpretation of glass evidence (Bottrell, MC and Webb, JB), July, 926

Glossolalia

Fiery tongues and mystical motivations: glossolalia in a forensic population is associated with mania and sexual/religious delusions (Hempel, AG, Meloy, JR, Stern, R, Ozone, SJ, and Gray, BT), March, 305

Glycated hemoglobin

HbA1c as a postmortem tool to identify glycenic control (Winecker, RE, Hammett-Stabler, CA, Chapman, JF, and Ropero-Miller, JD), Nov., 1373

Gun shot residues

Gunshot residue deposits on the gas pistons of assault rifles (Migeot, G and De Kinder, J), July, 808

Gunpowder

Associating gunpowder and residues from commercial ammunition using compositional analysis (MacCrehan, WA. Reardon, MR, and Duewer, DL), March, 260

Gunpowder additives

A quantitative comparison of smokeless powder measurements (MacCrehan, WA, Reardon, MR, and Duewer, DL), Nov., 1283

Gunshot residue

Associating gunpowder and residues from commercial ammunition using compositional analysis (MacCrehan, WA, Reardon, MR, and Duewer, DL), March, 260 Brake linings: a source of non-GSR particles containing lead, barium, and antimony (Torre, C, Mattutino, G, Vasino, V, and Robino, C), May, 494

Gunshot residue (GSR)

Handguns and ammunitions indicators extracted from the GSR analysis (Lebiedzik, J and Johnson, DL), May, 483

Gunshot wounds

Gunshot location through recorded sound: a preliminary report (Pregliasco, RG and Martínez, EN), Nov., 1309

Guyana

Jonestown tragedy revisited: the role of dentistry (Brannon, RB and Morlang, WM), Jan., 3

GYPA

Polymarker, HLA-DQAα, and D1S80 allele frequency data in Antioquia (Colombia) population (Builes, JJ, Moreno, MA, Gaviria, AM, Espinal, C, Cuartas, AE, Figueroa, EE, and Bravo, MJ), July, 902 Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Н

Hair

A method for the longitudinal sectioning of single hair samples (Kempson, IM, Skinner, WM, and Kirkbride, KP), July, 889

Hair analysis

Hair analysis of seven bodybuilders for anabolic steroids, ephedrine, and clenbuterol (Dumestre-Toulet, V, Cirimele, V, Ludes, B, Gromb, S, and Kintz, P), Jan. 211

Hair comparisons

Correlation of microscopic and mitochondrial DNA hair comparisons (Houck, MM and Budowle, B), Sept., 964

Handwriting

Forensic handwriting examiners' expertise for signature comparison (Sita, J, Found, B, and Rogers, DK), Sept., 1117

Hanging

Fatal accidental hanging from a lanyard key chain in a 10-year-old boy (Denton, JS), Nov., 1345

Haplogroup designation

Characterization of the Caucasian haplogroups present in the SWGDAM forensic mtDNA dataset for 1771 human control region sequences (Allard, MW, Miller, K, Wilson, M, Monson, KL, and Budowle, B), Nov., 1215

Haplotype

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene, M, Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E, Moreno, P, and Corbella, J), Sept., 1156

Hardy-Weinberg equilibrium

Genetic study of 15 important STR loci among four major ethnic groups of Bihar, India (Ashma, R and Kashyap, VK). Sept., 1139

Polymarker, HLA-DQAα, and D1S80 allele frequency data in Antioquia (Colombia) population (Builes, JJ, Moreno, MA, Gaviria, AM, Espinal, C, Cuartas, AE, Figueroa, EE, and Bravo, MJ), July, 902 Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox. KJ, and Burns, DM). July, 786

Sudden death due to an unrecognized cardiac hydatid cyst (Malamou-Mitsi, V, Pappa. L, Vougiouklakis, T, Peschos, D, Kazakos, N., Grekas, G., Sideris, D., and Agnantis, NJ), Sept., 1062

Concentrations of unconjugated morphine. codeine and 6-acetylmorphine in urine specimens from suspected drugged drivers (Ceder, G and Jones, AW), March, 366 Levels of trace and major elements in illicit heroin (Bora, T, Merdivan, M, and Hamamci, C), Sept., 959

High performance liquid chromatography

Development of fluorescent markers using polycyclic aromatic hydrocarbons with vaseline (Kurata, SK, Hirano, H. and Nagai, M), March, 244

Hispanic

Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations (Kayser, M, Brauer, S, Willuweit, S, Schädlich, H, Batzer, MA, Zawacki, J. Prinz, M. Roewer, L. and Stoneking, M), May, 513

The accuracy and precision of third molar development as an indicator of chronological age in Hispanics (Solari, AC and Abramovitch, K), May, 531

Histomorphometry

Population-specific histological age-estimating method: a model for known African-American and European-American skeletal remains (Cho, H, Stout, SD, Madsen, RW, and Streeter, MA), Jan., 12

HLA-DQA1

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Homicide

A case of homicide by lethal injection with Lidocaine (Kalin, JR and Brissie, RM), Sept., 1135

Spousal homicide and the subsequent staging of a sexual homicide at a distant location (Meloy, JR), March, 395

Horizontal polyacrylamide gel electrophoresis

Typing Y chromosome STR haplotypes using redesigned primers (Hou, Y, Zhang, J, Sun, D, Li, Y, Wu, J, Zhang, S, and Prinz, M), Jan., 215

Hough transform

A 3-D transformation to improve the legibility of license plate numbers (Wen, CY, Yu, CC, and Hun, ZD), May, 578

Changes in composition of ballpoint pen inks on aging in darkness (Andrasko, J). March, 324

Identification of human urine stains by HPLC analysis of 17-ketosteroid conjugates (Nakazono, T, Kashimura, S, Hayashiba, Y, Hisatomi, T, and Hara, K), May, 568

Hubcap

Unusual conatct marks: connecting the hubcap to the wheel of the car (Novoselsky, Y, Tsach, T, Klein, A, Volkov, N, Shor, Y, and Vinokurov, A), May, 630

Human factors

Review of: human factors in traffic safety (Batterman, SC), Nov., 1410

Human identification

Do resemblance ratings measure the accuracy of facial approximation? (Stephan, CN), March, 239

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap. VK), Sept.. 1168

The use of amalgam powder and calcium hydroxide to recreate a radiopaque image of a lost dental restoration (Shiroma, CY), May, 609

Human taphonomy

Fluvial transport of human remains in the Lower Mississippi River (Bassett, HE and Manheim, MH), July, 719

HUMTH01

Author's response (Çakir, AH), July, 922

Hydrogen sulfide

Fatal and nonfatal poisoning by hydrogen sulfide at an industrial waste site (Kage, S. Kashimura, S, Ikeda, H, Kudo, K, and Ikeda, N), May, 652

Hydrolysis

Author's response (Gnezda, M and Salamone, SJ), March, 428

Commentary on: Dou C, et al. Comparison of rates of hydrolysis of lorazepam-glucoronide, oxazepam-glucoronide and temazepam-glucoronide catalyzed by E. Coli B-Glucoronidase (O'Neal, CL and Poklis, A), March, 427

Hyperglycemia

Fatality from olanzapine induced hyperglycemia (Meatherall, R and Younes, J). July, 893

Hypoxic/ischemic encephalopathy

Pseudo-subarachnoid hemorrhage of the head diagnosed by computerized axial tomography: a postmortem study of ten medical examiner cases (Chute, DJ and Smialek, JE), March, 360

I

ID3 algorithm

Authors' response (McBride, DG), March, 426

Commentary on: McBride DG, Dietz MJ, Vennemeyer MT, Meadors ST, Benfer RA, Furbee NL. Bootstrap methods for sex determination from the os coxae using the ID3 algorithm. J Forensic Sci 2001;46:424-428. (Konigsberg, LW. Herrmann, NP, and Wescott, DJ), March, 424

Identification

An approach to individual video camera identification (Kurosawa, K, Kuroki, K, and Saitoh, N), Jan., 97

Dental participants in mass disasters—a retrospective study with future implications (Pretty, IA, Webb, DA, and Sweet, D), Jan.,

Skeletal remains presumed submerged in water for three years identified using PCR-

STR analysis (Crainic, K, Paraire, F, Leterreux, M, Durigon, M, and de Mazancourt, P), Sept., 1025

The use of quantitative light-induced fluorescence (QLF) to identify composite restorations in forensic examinations (Pretty, IA, Smith, PW, Edgar, WM, and Higham, SM), July, 831

Ignitable liquid

Forensic analysis of ignitable liquids in fire debris by comprehensive two-dimensional gas chromatography (Frysinger, GS and Gaines, RB), May, 471

Ignitable liquids

A study of the effects of a micelle encapsulator fire suppression agent on dynamic headspace analysis of fire debris samples (McGee, E and Lang, TL), March, 267

Ill-treatment

Assessment of the quality of medical documents issued in central police stations in Madrid, Spain: the doctor's role in the prevention of ill-treatment (Petersen, HD, Morentin, B, Callado, LF, Meana, JJ. and Idoyaga, MI), March. 293

Erratum/correction of Petersen HD et al. Assessment of the quality of medical documents issued in Central Police Stations in Madrid, Spain: the doctor's role in the prevention of ill-treatment. J Forensic Sci 2002 March;47(2):293–298 (Petersen, HD, Morentin, B, Callado, LF, Meana, JJ, and Idoyaga, MI), July, 928

Illustration

Review of: Forensic art and illustration (Walter, RD), July, 925

Image analysis

A discrimination method for paper by Fourier transform and cross correlation (miyata, H, Shinozaki, M, Nakayama, T, and Enomae, T), Sept., 1125

Image databases

Content based information retrieval in forensic image database (Geradts, Z and Bijhold, J), March, 285

Image/X-ray analysis

Handguns and ammunitions indicators extracted from the GSR analysis (Lebiedzik, J and Johnson, DL), May, 483

Immunohistochemistry

Determination of ABO blood grouping from human oral squamous epithelium by the highly sensitive immunohistochemical staining method EnVision+ (Noda, H, Yokota, M, Tatsumi, S, and Sugiyama, S), March, 341

Impalement

Bizarre impalement fatalities—where is the implement? (Karger, B, Teige, K, and Bajanowski, T), March, 389

Impurity profiling

Levels of trace and major elements in illicit heroin (Bora, T, Merdivan, M, and Hamamci, C), Sept. 959 Trace elemental analysis of drugs of abuse using synchrotron radiation total reflection X-ray fluorescence analysis (SR-TXRF) (Muratsu, S, Ninomiya, T, Kagoshima, Y, and Matsui, J), Sept., 944

Incest

A father marries his daughters: a case of incestuous polygamy (Myers, WC and Brasington, SJ), Sept., 1112

India

Allele frequency distribution at five Y-chromosomal short tandem repeat loci among five distinct ethnic groups of India (Das, B. Chauhan, PS, and Seshadri, M), March, 410

Distribution of allele frequencies for two short tandem repeats (HUMTH01 and F13A01) among five Indian population groups (Ghosh, A and Seshadri, M), March, 415

Indian population data for two tetrameric short tandem repeat loci—vWA and D3S1359 (Ghosh, A and Seshadri, M), March, 413

Indian population

Population database of Y-chromosomal haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das, B. Chauhan, PS, and Seshadri, M), May, 692

Indo-Caucasian

D1S80 population data in eight predominant populations of India (Trivedi, R, Chattopadhyay, P, Dutta, R, Sarkar, N, Sharma, AK, and Kashayp, VK), May, 676

Indo-Mongoloid

D1S80 population data in eight predominant populations of India (Trivedi, R, Chattopadhyay, P, Dutta, R, Sarkar, N, Sharma, AK, and Kashayp. VK), May, 676

Indonesian

Allele frequency distribution of the STR locus D20S161 in Indonesians, Tibetans, South African Blacks and South African Whites (Kido, A, Susukida, R, Oya, M, Fujitan, N, Kimura, H, and Hara, M), Nov., 1401

Inductively coupled plasma spectroscopy

Comparison of the elemental composition of office document paper: evidence in a homicide case (Spence, LD, Francis, RB, and Tinggi, U), May, 648

Infant abduction

Newborn kidnapping by Cesarean section (Burgess, AW, Baker, T, Nahirny, C, and Rabun, JB), July, 827

Infectious mononucleosis

Unexpected death due to infectious mononucleosis (Byard, RW), Jan., 202

Ink aging

Does ink age inside of a pen cartridge? (Grim, DM, Siegel, J, and Allison, J), Nov., 1294

Inks

Changes in composition of ballpoint pen inks on aging in darkness (Andrasko, J). March, 324

Internet

Pedophilia on the Internet (Deirmenjian, JM), Sept., 1090

Interobserver variation

Interobserver variation of selected postcranial skeletal measurements (Adams, BJ and Byrd, JE), Nov., 1193

Interpretation

Interpreting small quantities of DNA: the hierarchy of propositions and the use of Bayesian networks (Evett, IW, Gill, PD, Jackson, G, Whitaker, J, and Champod, C), May, 520

Intoxication

Criminal responsibility and cannabis use: psychiatric review and proposed guidelines (Niveau, G), May, 451

Intravenous bags

A method for the determination of syringe needle punctures in rubber stoppers using stereoscopic light microscopy (Platek, SF, Keisler, MA, Ranieri, N, Reynolds, TW, and Crowe, JB), Sept.. 986

Involuntary commitment

Factors predictive of changes in the legal status of psychiatric inpatients (Anand, VS, Ciccone, JR, Kashtan, I, and Seger, A). Nov., 1365

Ion preparation method (IPM)

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos, BJ, Froneman, M. Rohwer, E, and Sutherland, DA), July, 736

Istanbul

Allele frequencies for 10 STR loci in Istanbul (Turkey) population (Filoglu, G, Abaci-Kalfoglu, E, and Atasoy, S), July, 909

Italy

Allele frequencies for eight STR loci in a population sample from Sicily (Italy) (Asmundo, A, Sapienza. D, and Crinò, C), March, 408

Distribution of DYS19, DYS389 I, DYS389 II, DYS389 II, DYS390 alleles in a southern Italian population sample (Di Nunno, N, Baldassarra, SL, Di Nunno, C, Boninfante, B, Guanti, G, Forleo, G, and Resta, N), March, 417

J

Jeffrey Dahmer

The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva. JA, Ferrari, MM, and Leong, GB), Nov., 1347

Jonestown

Jonestown tragedy revisited: the role of dentistry (Brannon, RB and Morlang, WM), Jan., 3

Juvenile

In vivo facial tissue depth measurements for White British children (Wilkinson, CM), May, 459

Review of: developmental juvenile osteology (Jantz, RL), Sept., 1183

K

Ketosis

Detection of ketosis in vitreous at autopsy after embalming (Steinhauer, JR, Volk, A, Hardy, R, Konrad, R, Daly, T, and Robinson, CA), Jan., 221

17-Ketosteroids

Identification of human urine stains by HPLC analysis of 17-ketosteroid conjugates (Nakazono, T, Kashimura, S, Hayashiba, Y, Hisatomi, T, and Hara, K), May, 568

L

Laboratory manual

Review of: human skeletal anatomy laboratory manual and workbook (Williams, S and Warren, MW), July, 924

Laboratory medicine

HbA1c as a postmortem tool to identify glycemic control (Winecker, RE, Hammett-Stabler, CA, Chapman, JF, and Ropero-Miller, JD), Nov., 1373

Lachrymators

Stability and detectability of lachrymators and their degradation products in evidence samples (Kataoka, M, Seto, Y, Tsuge, K, and Noami, M), Jan., 44

Lanyard

Fatal accidental hanging from a lanyard key chain in a 10-year-old boy (Denton, JS), Nov., 1345

Late luteal Phase dysphoric disorder

PMS, psychosis and culpability: sound or misguided defense? (Downs, LL), Sept., 1083

Latent fingerprint

Author's response (Lewis, LA), May, 701 Commentary on: Lewis LA et al. Processes involved in the development of latent fingerprints using the cyanocrylate fuming method. J Forensic Sci 2001;46(2): 241–246. (Geller, B), May, 700

Latent fingerprints

Evaluation of some oxygen, sulfur, and selenium substituted ninhydrin analogues, ni-

trophenylninhydrin and benzo[f]furoninhydrin (Kobus, HJ, Pigou, PE, Jahangiri, SJ, and Taylor, B), March, 254

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz. C, and Wiesner, S), May, 586

Law enforcement

Acute dissociative responses in law enforcement officers involved in critical shooting incidents: the clinical and forensic implications (Rivard, JM, Dietz, P, Martell, D, and Widawski, M), Sept., 1093

Lawyer

Review of: Questioned documents: a lawyer's handbook (McKasson, S), May, 704

LDLR

Polymarker, HLA-DQAα, and D1S80 allele frequency data in Antioquia (Colombia) population (Builes, JJ, Moreno, MA, Gaviria, AM, Espinal, C, Cuartas, AE, Figueroa, EE, and Bravo, MJ). July, 902 Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Lead analysis

Compositional variation in bullet lead manufacture (Koons, RD and Grant, DM), Sept., 950

Legal evidence

The combined use of pollen and soil analyses in a search and subsequent murder investigation (Brown, AG, Smith, A, and Elmhurst, O), May, 614

Lethal injection

A case of homicide by lethal injection with Lidocaine (Kalin, JR and Brissie, RM), Sept., 1135

License plate identification

A 3-D transformation to improve the legibility of license plate numbers (Wen, CY, Yu, CC, and Hun, ZD), May, 578

Lidocaine

A case of homicide by lethal injection with Lidocaine (Kalin, JR and Brissie, RM), Sept., 1135

Ligature strangulation

Cervical fracture, decapitation, and vehicleassisted suicide (Byard, RW and Gilbert, JD), March, 392

Likelihood ratios

Interpreting small quantities of DNA: the hierarchy of propositions and the use of Bayesian networks (Evett, IW, Gill, PD, Jackson, G, Whitaker, J, and Champod, C), May, 520

Linear mixture analysis

Author's response (Perlin, MW), Sept., 1177

Liposuction

Deaths associated with liposuction: case reports and review of the literature (Platt, MS, Kohler, LJ, Ruiz, R, Cohle, SD, and Ravichandran, P), Jan., 205

LPL

Population study of seven microsatellites in Alagoas—Northeastern Brazil (da Silva, LA, Pimentel, BJ, de Azevedo, DA, da Silva, EN, and dos Santos, SS), Nov., 1399

Luminescence

Improving the effectiveness of fluorescence for the detection of semen stains on fabrics (Kobus, H, Silenieks, E, and Schamberg, J), July, 819

M

Maltreatment

Concentrated bleach burns in a child (Telmon, N, Allery, JP, Dorandeu, A, and Rougé, D), Sept., 1060

Mandible/radiography

Nutrient canals of the alveolar process as an anatomic feature for dental identifications (Fielding, CC), March, 381

Manner of death

Bodies found in the waterways of New York City (Lucas, J, Goldfeder, LB, and Gill, JR), Jan., 137

Mass casualty incidents

The emotional and psychological impact of mass casualty incidents on forensic odontologists (Webb, DA, Sweet, D. and Pretty, IA), May, 539

Mass spectrometry

Does ink age inside of a pen cartridge? (Grim, DM, Siegel, J, and Allison, J), Nov., 1294

Evaluation of laser desorption mass spectrometry and UV accelerated aging of dyes on paper as tools for the evaluation of a questioned document (Grim, DM. Siegel, J, and Allison, J), Nov., 1265

Fatal and nonfatal poisoning by hydrogen sulfide at an industrial waste site (Kage, S, Kashimura, S, Ikeda, H, Kudo, K, and Ikeda, N), May, 652

Mass-disaster investigation

The crash of LOT flight 007: dental identification (Brannon, RB and Morlang, WM), Nov., 1323

Mastoid air cells

Identification of human skeletal remains by comparison of bony details of the cranium using computerized tomographic (CT) scans (Smith, DR, Limbird, KG, and Hoffman, JM), Sept., 937

Material "fingerprint"

Optimum methamphetamine profiling with sample preparation by solid-phase microex-

traction (Koester, CJ, Andresen, BD, and Grant, PM), Sept., 1002

Mathematical approach

Commentary on Perlin, MW, Szabady B. Linear mixture analysis: a mathematical approach to resolving mixed DNA samples. J Forensic Sci 2001:46(6) 1372–78. (Wang, T), Sept., 1176

MDMA

Ecstasy (MDMA) deaths in New York City: a case series and review of the literature (Gill, JR, Hayes, JA, seSouza, IS, Marker, E, and Stajic, M), Jan., 121

Measurement comparison

A qualitative comparison of smokeless powder measurements (MacCrehan, WA and Reardon, MR), Sept., 996

A quantitative comparison of smokeless powder measurements (MacCrehan, WA, Reardon, MR, and Duewer, DL), Nov., 1283

Medical documents

Assessment of the quality of medical documents issued in central police stations in Madrid, Spain: the doctor's role in the prevention of ill-treatment (Petersen, HD, Morentin, B, Callado, LF, Meana, JJ, and Idoyaga, MI), March, 293

Erratum/correction of Petersen HD et al. Assessment of the quality of medical documents issued in Central Police Stations in Madrid, Spain: the doctor's role in the prevention of ill-treatment. J Forensic Sci 2002 March;47(2):293–298 (Petersen, HD, Morentin, B, Callado, LF, Meana, JJ, and Idoyaga, MI), July, 928

Melting curve SNP (McSNP) genotyping

Melting curve SNP (McSNP) genotyping: a useful approach for diallelic genotyping in forensic science (Ye, J. Parra, EJ, Sosnoski, DM, Hiester, K, Underhill, PA, and Shriver, MD), May, 593

Memory impairment

Acute dissociative responses in law enforcement officers involved in critical shooting incidents: the clinical and forensic implications (Rivard, JM, Dietz, P, Martell, D, and Widawski, M), Sept., 1093

Meningitis

Fatal meningitis and encephalitis due to *Bartonella henselae* bacteria (Gerber, JE, Johnson, JE, Scott, MA, and Madhusudhan, KT). May, 640

Menstrual blood

Evaluation of mRNA markers for the identification of menstrual blood (Bauer, M and Patzelt, D), Nov., 1278

Mental illness

An epidemiological assessment of problematic contacts to members of congress (Scalora, MJ, Baumgartner, JV, Zimmerman, W, Callaway, D, Hatch Maillette, MA, Covell, CN, Palarea, RE, Krebs, JA, and Washington, DO), Nov., 1360

Metabolite

Fatal and nonfatal poisoning by hydrogen sulfide at an industrial waste site (Kage, S, Kashimura, S. Ikeda, H, Kudo. K, and Ikeda, N), May, 652

Methamphetamine

Enantiomeric separation of methamphetamine and related analogs by capillary zone electrophoresis: intelligence study in routine methamphetamine seizures (Cheng, WC, Lee, WM, Chan, MF, Tsui, P, and Dao, KL), Nov., 1248

Optimum methamphetamine profiling with sample preparation by solid-phase microextraction (Koester, CJ, Andresen, BD, and Grant, PM), Sept., 1002

Methyl violet

Evaluation of laser desorption mass spectrometry and UV accelerated aging of dyes on paper as tools for the evaluation of a questioned document (Grim, DM, Siegel, J, and Allison, J), Nov., 1265

Micro-infrared spectroscopy

Identification of tiny and thin smears of automotive paint following a traffic accident (Giang, YS, Wang, SM, Cho. LL, Yang, CK, and Lu, CC), May, 625

Microscopy

World-renowned forensic microscopist, Walter C. McCrone, June 9, 1916—July 10, 2002 (Stoney, DA), Nov., 1463

Mitochondrial DNA

An improved method for post-PCR purification for intDNA sequence analysis (Dugan, KA, Lawrence, H, Hares, DR, Fisher, CL, and Budowle, B), July, 811 Correlation of microscopic and mitochondrial DNA hair comparisons (Houck, MM and Budowle, B), Sept., 964

Mitochondrial DNA and STR typing of matter adhering to an earphone (Seo, Y, Uchiyama, T, Matsuda, H, Shimizu, K, Takami, Y, Nakayama, T, and Takahama, K), May, 605

Mitochondrial DNA sequencing of beetle larvae (*Nitidulidae: Omosita*) recovered from human bone (DiZinno, JA, Lord, WD, Collins-Morton, MB, Wilson, MR, and Goff, ML), Nov., 1337

Successful DNA typing of a urine sample in a doping control case using a human mitochondrial DNA analysis (Junge, A, Steevens, M, and Madea, B). Sept., 1022 Surface sterilization of a maggot using bleach does not interfere with mitochondrial DNA analysis of crop contents (Linville, JG and Wells, JD), Sept., 1055

MMPI-2

A comparison of simulation and known groups in the detection of malingering on the MMPI-2 (Kucharski, LT and Johnsen, D), Sept., 1078

Motor vehicle accidents

Review of: forensic accident investigation: motor vehicles: forensic accident investigation: motor vehicles—2 (Batterman, SD), Nov., 1412

Motor vehicle collisions

Children in motor vehicle collisions: Analysis of injury by restraint use and seat location (Sweitzer, RE, Rink, RD, Corey, TS, and Goldsmith, J). Sept., 1049

Motor vehicles

Driver and front seat passenger fatalities associated with air bag deployment. Part 1: A Canadian study (Shkrum, MJ, McClafferty, KJ. Nowak, ES, and German, A). Sept., 1028

Driver and front seat passenger fatalities associated with air bag deployment. Part 2: A review of injury patterns and investigative issues (Shkrum, MJ, McClafferty, KJ, Nowak, ES, and German, A), Sept., 1035

MRNA

Evaluation of mRNA markers for the identification of menstrual blood (Bauer, M and Patzelt, D), Nov., 1278

Multipex

Characterization and validation studies of PowerPlexTM 2.1 a nine-locus short tandem repeat (STR) multiplex system and Penta D monoplex (Levedakou, EN. Freeman, DA, Budzynski, MJ, Early, BE, Damaso, RC, Pollard, AM, Townley, AJ, Gombos, JL, Lewis, JL, Kist, FG, Hockensmith, ME, Terwilliger, ML, Amiott, E, McElfresh, KC, Schumm, JW, Ulery, SR, Konotop, F, Sessa, TL, Sailus, JS, Crouse, CA, Tomsey, CS, Ban, JD, and Nelson, MS), July, 757

Multiplex

Constructing universal multiplex PCR systems for comparative genotyping (Wallin, JM, Holt, CL, Lazaruk, KD, Nguyen, TH, and Walsh, PS), Jan., 52

Detection of a primer-binding site polymorphism for the STR locus D16S539 using the Powerplex® 1.1 system and validation of a degenerate primer to correct for the polymorphism (Nelson, MS, Levedakou, EN, Matthews, JR, Early, BE, Freeman, DA, Kuhn, CA, Sprecher, CJ, Amin, AS, McElfresh, KC, and Schumm, JW), March, 345

Multiplex amplification

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Myiasis

Effect of temperature on development of Liopygia (= Sarcophaga) Argyrostoma (Robineau-Desvoidy)(Diptera: Sarcophagidae) and its forensic implications (Grassberger, M and Reiter, C), Nov.. 1332

N

Narcotics

Review of: the Robert F. Borkenstein International Symposium on Alcohol and Forensic Science—the Influence of Alcohol and Drugs on Transportation Safety (Caplan, YH), May, 706

Necrophagia

The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva, JA, Ferrari, MM, and Leong. GB), Nov., 1347

Necrophilia

The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva, JA, Ferrari, MM, and Leong, GB), Nov., 1347

Needle

A method for the determination of syringe needle punctures in rubber stoppers using stereoscopic light microscopy (Platek, SF, Keisler, MA, Ranieri, N, Reynolds, TW, and Crowe, JB), Sept., 986

New York City

Sharp injury fatalities in New York City (Gill, JR and Catanese, C), May, 554

Ninhydrin

Advanced solvent-free application of ninhydrin for detection of latent fingerprints on thermal paper and other surfaces (Schwartz, L and Frerichs, I), Nov., 1274

Ninhydrin analogues

Evaluation of some oxygen, sulfur, and selenium substituted ninhydrin analogues, nitrophenylninhydrin and benzo[f]furoninhydrin (Kobus, HJ, Pigou, PE, Jahangiri, SJ, and Taylor. B), March. 254

Nitroglycerin

A qualitative comparison of smokeless powder measurements (MacCrehan, WA and Reardon, MR), Sept., 996

NMR Spectroscopy

Author's Response (Lee, GS and Wilson, MA), March, 430

Commentary on: Lee GSH, Brinch KM, Kannangara K, Dawson M, Wilson MA. A methodology based on NMR spectroscopy for the forensic analysis of condoms. J Forensic Sci 2001;46(4):808–21. (Blackledge, RD), March, 429

The identification of sodium fluoroacetate (Compound 1080) employing NMR spectroscopy (Kirms, MA and Kirms, LM), May, 573

Non-human DNA evidence

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D, Smith, KT, Palman, D, and Kornfield, I), May, 673

North Indian populations

Allele frequencies of microsatellite repeat loci in Bhargavas, Chaturvedis, and Brahmins of North India (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 678

Distribution of allele frequencies of six STR markers in North Indians (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 682

Evaluation of six short tandem repeat loci in forensics: North Indian populations (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 686

0

Obituary

World-renowned forensic microscopist, Walter C. McCrone, June 9, 1916—July 10, 2002 (Stoney, DA), Nov., 1463

Odocoileus virginianus

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D, Smith, KT, Palman, D, and Kornfield, I), May, 673

Odontology

Skeletal identification using the frontal sinus region: a retrospective study of 39 cases (Kirk, NJ, Wood, RE, and Goldstein, M), March, 318

The emotional and psychological impact of mass casualty incidents on forensic odontologists (Webb, DA, Sweet, D, and Pretty, IA). May, 539

The use of amalgam powder and calcium hydroxide to recreate a radiopaque image of a lost dental restoration (Shiroma, CY), May, 609

WinID2 versus CAPMI4: two computer-assisted dental identification systems (Lewis, C), May, 536

Off-angle distortion

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Olanzapine

Fatality from olanzapine induced hyperglycemia (Meatherall, R and Younes, J), July, 893

Oleoresin capsicum

The effect of oleoresin capsicum "pepper" spray inhalation on respiratory function (Chan, T, Vilke, GM, Clausen, J, Clark, RF, Schmidt, P, Snowden, T, and Neuman. T), March, 299

OPD

Extension of the color suite available for chemical enhancement of fingerprints in blood (Caldwell, JP and Kim, ND), March, 332

Oral fluid

The use of oral fluid and sweat wipes for the detection of drugs of abuse in drivers (Samyn, N, De Beock, G, and Verstraete, AG), Nov., 1380

Osteological analysis

Authors' response (McBride, DG), March, 426

Osteology

Review of: developmental juvenile osteology (Jantz, RL), Sept., 1183

Osteometrics

Interobserver variation of selected postcranial skeletal measurements (Adams, BJ and Byrd, JE), Nov., 1193

Osteon

Population-specific histological age-estimating method: a model for known African-American and European-American skeletal remains (Cho, H, Stout, SD, Madsen, RW, and Streeter. MA). Jan., 12

Osteopenia

Spontaneous fractures in the differential diagnosis of fractures in children (Torwalt, CR, Balachandra, AT, Youngson, C, and de Nanassay, J), Nov., 1340

Osteoporosis

Experiments in the combustibility of the human body (Christensen, AM), May, 466

P

Paint analysis

Identification of tiny and thin smears of automotive paint following a traffic accident (Giang, YS, Wang, SM, Cho, LL, Yang, CK, and Lu, CC), May, 625

Paint and tape

Commentary on: Bernard WR. Paint and tape: collection and storage of microtraces of paint in adhesive tape. J Forensic Sci 2000; 45(6) 1312–5. (Ryland, S), Sept., 1178

Paint evidence

Author's response (Zollinger, K), Sept., 1179

Palm trees

Identification of stolen rare palm trees by soil morphological and mineralogical properties (Lee, BD, Williamson, TN, and Graham, RC), Jan., 190

Panoramic radiographs

The accuracy and precision of third molar development as an indicator of chronological age in Hispanics (Solari, AC and Abramovitch, K), May, 531

Paper formation

A discrimination method for paper by Fourier transform and cross correlation (miyata, H, Shinozaki, M, Nakayama, T, and Enomae, T), Sept., 1125

Parallax distortion

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Paraphilias

The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva, JA, Ferrari, MM, and Leong, GB), Nov.. 1347

Parricide

Double particide: forensic analysis and psycholegal implications (Weisman, AM, Ehrenclou, MC, and Sharma, KK), March, 313

Particle-size analysis

Identification of stolen rare palm trees by soil morphological and mineralogical properties (Lee, BD, Williamson, TN, and Graham, RC), Jan., 190

Pathology

Bizarre impalement fatalities—where is the implement? (Karger, B, Teige, K, and Bajanowski, T), March, 389

Colchicine poisoning resulting from accidental ingestion of meadow saffron (Colchicum Autumnale) (Sannohe, S, Makino, Y, Kita, T, Kuroda, N, and Shinozuka, T), Nov., 1391

Sharp injury fatalities in New York City (Gill, JR and Catanese, C), May, 554

The combined use of pollen and soil analyses in a search and subsequent murder investigation (Brown, AG, Smith, A, and Elmhurst, O), May, 614

Patient assailants

Characteristics of assaultive patients with schizophrenia versus personality disorder: six year analysis of the assaulted staff action program (ASAP) (Flannery jr, RB, Rachlin, S, and Walker, AP), May, 558

PCR

A study on four short tandem repeat systems: African immigrant, Portuguese, and Spanish population data (Gamero, JJ, Romero, JL, González, JL, Carvalho, M, Anjos, MJ, Real, FC, and Vide, MC), July, 897

Constructing universal multiplex PCR systems for comparative genotyping (Wallin, JM, Holt, CL, Lazaruk, KD, Nguyen, TH, and Walsh, PS), Jan. 52

PDMS

Author's Response (Lee, GS and Wilson, MA), March, 430

Pediatrics

Children in motor vehicle collisions: Analysis of injury by restraint use and seat location (Sweitzer, RE, Rink, RD, Corey, TS, and Goldsmith, J), Sept.. 1049

Penta D

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

Penta E

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912 Concordance study on 15 STR loci in three major populations of Himalayan State Sikkim (Kashyap, VK, Guha, S, and Trivedi, R), Sept., 1163

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

Pepper spray products

Detection of pepper spray residues on fabrics using liquid chromatography-mass spectrometry (Reilly, CA, Crouch, DJ, Yost, GS, and Andrenyak, DM), Jan., 37

Peritraumatic dissociation

Acute dissociative responses in law enforcement officers involved in critical shooting incidents: the clinical and forensic implications (Rivard, JM, Dietz, P, Martell, D, and Widawski, M), Sept., 1093

Personality disorder

Characteristics of assaultive patients with schizophrenia versus personality disorder: six year analysis of the assaulted staff action program (ASAP) (Flannery jr, RB, Rachlin, S, and Walker, AP). May, 558

Perspective distortion

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Petro

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos, BJ, Froneman, M, Rohwer, E, and Sutherland, DA), July. 736

Pharmaceutical bottle

A method for the determination of syringe needle punctures in rubber stoppers using stereoscopic light microscopy (Platek, SF, Keisler, MA, Ranieri, N, Reynolds, TW, and Crowe, JB), Sept., 986

Photograph comparison

The identification of stolen paintings using comparison of various marks (Shor, Y,

Novoselsky, Y, Klein, A, Lurie, DJ, Levi, JA, Vinokurov, A, and Levin, N), May, 633

Photography

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Physical match

The identification of stolen paintings using comparison of various marks (Shor, Y, Novoselsky, Y, Klein, A, Lurie, DJ, Levi, JA. Vinokurov, A, and Levin, N). May, 633 Unusual contact marks: connecting the hubcap to the wheel of the car (Novoselsky, Y, Tsach, T. Klein, A, Volkov, N, Shor, Y, and Vinokurov, A), May, 630

Physiopathology

Review of: asphyxia: the physiopathology (Reay, DT), Sept., 1180

Plastic bags

3D measurements on extrusion marks in plastic bags (Berx, V and De Kinder, J). Sept., 976

Polycyclic aromatic hydrocarbons

Development of fluorescent markers using polycyclic aromatic hydrocarbons with vaseline (Kurata, SK, Hirano, H, and Nagai, M), March, 244

Polygamy

A father marries his daughters: a case of incestuous polygamy (Myers, WC and Brasington, SJ), Sept., 1112

Polymarker

Polymarker, HLA-DQAα, and D1S80 allele frequency data in Antioquia (Colombia) population (Builes, JJ, Moreno, MA, Gaviria, AM, Espinal, C, Cuartas, AE, Figueroa, EE, and Bravo, MJ), July, 902

Polymerase chain reaction

Allele frequencies for 10 STR loci in Istanbul (Turkey) population (Filoglu, G, Abaci-Kalfoglu, E, and Atasoy. S), July, 909
Allele frequencies for three STR loci in Turkish population of Kosovo (Çerkezi, AB, Altunçul, DH, Yükseloglu, H, Abaci-Kalfoglu, E, and Atasoy, S), July, 908
Allele frequencies for two STR loci D1S1676, D2S2735 in Chinese population (Gao, YZ, Ying, BW, Hou, YP, Li, YB, Wu, J, Zhang, J, Tang, JP, Yan, J, and Yu, HL), Nov., 1404

Allele frequencies of CODIS STR loci in Chinese population (Ji, Q, Zhang, H, Du, H, Dong, J, Tang, J, Sheng, Y, Liao, J, Wang, Q, and Hou, Y), Sept., 1143

Allele frequencies of HLADQA1 and PM in Istanbul (Turkey) population (Yükseloglu, H, Altunçul, DH, Filoglu, G, Abaci-Kalfoglu, E, and Atasoy, S), July, 907 An improved method for post-PCR purification for mtDNA sequence analysis

(Dugan, KA, Lawrence, H, Hares, DR, Fisher, CL, and Budowle, B), July, 811 Characterization and validation studies of PowerPlexTM 2.1 a nine-locus short tandem repeat (STR) multiplex system and Penta D monoplex (Levedakou, EN, Freeman, DA, Budzynski, MJ, Early, BE, Damaso, RC. Pollard, AM, Townley, AJ, Gombos, JL, Lewis, JL, Kist, FG, Hockensmith, ME, Terwilliger, ML, Amiott, E, McElfresh. KC, Schumm, JW, Ulery, SR, Konotop, F, Sessa, TL, Sailus, JS, Crouse, CA, Tomsey, CS, Ban, JD, and Nelson, MS), July, 757 D1S80 polymorphism in Istanbul (Turkey) (Akgunes, E, Filoglu, G, Yükseloglu, H, Abaci-Kalfoglu, E, and Atasoy, S), July,

Detection of a primer-binding site polymorphism for the STR locus D16S539 using the Powerplex® 1.1 system and validation of a degenerate primer to correct for the polymorphism (Nelson, MS, Levedakou, EN, Matthews, JR, Early, BE, Freeman, DA, Kuhn, CA, Sprecher, CJ, Amin, AS, McElfresh, KC, and Schumm, JW), March, 345 Distribution of HLA-DQA1 and amplitype PM locus alleles in Aegean region of Turkey (Çakir, AH, Simsek, F, and Altunbas, S), May, 710

Distribution of nine STR loci alleles frequencies in a Chinese population (Yu, X, Hu, DY, Zhang, J, Tang, JP, and Hou, YP), Sept., 1147

Fatal meningitis and encephalitis due to Bartonella henselae bacteria (Gerber, JE, Johnson, JE, Scott, MA, and Madhusudhan, KT), May, 640

Han Chinese population data for ten STR loci in Changsha, China (Ma. Y. Gong, B, Xia, J, Deng, H, Pan, Q, Li, Q, Dai, H, Wen, S, and Xia, K), March, 404

Mitochondrial DNA sequencing of beetle larvae (Nitidulidae: Omosita) recovered from human bone (DiZinno, JA, Lord, WD, Collins-Morton, MB, Wilson, MR, and Goff, ML), Nov., 1337

Presentation of a three-banded allele pattern-analysis and interpretation (Azmir, A, Shpitzen, M. Oz, C, Motro, U, Meiner, V, and Gafny, R), July, 824

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Reduced volume PCR amplification reactions using the AmpF&STR® Profiler PlusTM kit (Gaines, ML, Wojtkiewicz, PW, Valentine, JA, and Brown, CL), Nov., 1224 The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

Trace DNA: a review, discussion of theory, and application of the transfer of trace quantities of DNA through skin contact (Wickenheiser, RA), May, 442

Typing of the locus DYS19 from DNA derived from fingernail clippings using PCR ConcertTM rapid purification system (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B, and Padula, RA), Jan., 175 Validation of a 16-locus fluorescent multiplex system (Krenke, BE, Tereba, A, Anderson, SJ, Buel, E, Culhane, S, Finis, CJ, Tomsey, CS, Zachetti, JM, and Sprecher, CJ), July, 773

Western Australian sub-population data for the thirteen AMPF\ellSTR® Profiler PlusTM and COfilerTM STR Loci (Bagdonavicius, A, Turbett, GR, Buckleton, JS, and Walsh, SJ), Sept., 1149

Polymorphism

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912

Population genetics

Allele distribution for D21S1435 and D21S2055 loci in two Chinese populations (Liang, W. Zhang, L, Chen, G, Xin, J, Liao, M, and Yu, MY). May, 667

Allele frequencies for 10 STR loci in Istanbul (Turkey) population (Filoglu, G. Abaci-Kalfoglu, E, and Atasoy, S), July, 909

Allele frequencies for eight STR loci in a population sample from Sicily (Italy) (Asmundo, A. Sapienza, D. and Crinò, C), March, 408

Allele frequencies for six STR in a Chilean population (Cifuentes, L, Acuña, M, and Sepulveda, D), July, 904

Allele frequencies for the 13 CODIS STR loci in a sample of southern Croatians (Schanfield, MS, Gabriel, MN, Andelinovic, S, Reynolds, RL, Ladd, C, Lee, HC, and Primorac, D), May, 669

Allele frequencies for the AmpF\ell STR profiler loci in a Colombian population (department of Boyaca) (Vargas, CI, Castillo, A, Gil, AM, Pico, AL, and García, O), March, 406

Allele frequencies for three STR loci in Turkish population of Kosovo (Çerkezi, AB, Altunçul, DH, Yükseloglu, H, Abaci-Kalfoglu, E, and Atasoy, S), July, 908

Allele frequencies for two STR loci D1S1676, D2S2735 in Chinese population (Gao, YZ, Ying, BW, Hou, YP, Li, YB, Wu, J, Zhang, J, Tang, JP, Yan, J, and Yu, HL), Nov., 1404

Allele frequencies of CODIS STR loci in Chinese population (Ji, Q, Zhang, H, Du, H, Dong, J, Tang, J, Sheng, Y, Liao, J. Wang. Q, and Hou, Y), Sept., 1143

Allele frequencies of eight short tandem repeat loci in three Visayas Regional populations of the Philippines (Tabbada, KA, Magno, MM, Delfin, FC, Calacal, GC, Tan, M, Chu-Ferreon, JY, Halos, SC, and de Ungria, MC), Nov., 1397

Allele frequencies of HLADQA1 and PM in Istanbul (Turkey) population (Yükseloglu, H, Altunçul, DH, Filoglu, G, Abaci-Kalfoglu, E, and Atasoy, S), July, 907

Allele frequencies of Y-chromosome STR locus DYS445 in a Chinese population (Dong, JG, Hou, YP, Li, YB, Wu, J, Tang, JP, and Ji, Q), Sept., 1160

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912

Allele frequency distribution for nine fluorescent based STR loci in Tamil population (South India) (Panneerchelvam, S, Vanaja, N, Goud, CV, Sheeba, A, Rao, GV, and Damodaran, C), Jan., 226

Allele frequency distribution of three STR loci (D5S818, Penta D, and Penta E) in Turkish population (Cakir, AH and Celebioglu, A), Sept., 1154

D1S80 polymorphism in Istanbul (Turkey) (Akgunes, E, Filoglu, G, Yükseloglu, H, Abaci-Kalfoglu, E, and Atasoy, S), July, 906

Distribution of DYS391, DYS392, DYS393, DYS385, alleles in a Southern Italian population sample (DiNunno, N, Baldassarra, SL, DiNunno, C, Boninfante, B, Guanti, G, Forleo, G, and Resta, N), July,

Distribution of HLA-DQA1 and amplitype PM locus alleles in Aegean region of Turkey (Çakir, AH, Simsek, F, and Altunbas, S), May, 710

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May,

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May,

Genetic variation at five STR loci (D10S2325, D13S325, D20S470, D18S51. and D19S253) in Korean population (Shin. SH, Hwang, JH. Park, HS, Kim, NK, and Chung, KW), Sept., 1161

Genetic variation at three DYS-STR loci and amelogenin between the Australian Caucasians and three Asian ethnic groups (Chang, YM, Both, K, and Burgoyne, LA), July, 918

Han Chinese population data for ten STR loci in Changsha, China (Ma, Y, Gong, B, Xia, J, Deng, H, Pan, Q, Li, Q, Dai, H, Wen, S, and Xia, K), March, 404

Haplotype frequencies for two new Y-STR loci in Chinese population (Zhang, J, Hou, Y, Tang, J, Li, Y, and Wu, J), Jan., 232

HLA-DQA1 and polymarker loci allele frequencies in the Bharias, a primitive Indian tribal population from Patalkot, India (Biswas, R and Giroti, R), July, 916

Polymarker, HLA-DQAα, and D1S80 allele frequency data in Antioquia (Colombia) population (Builes, JJ, Moreno, MA, Gaviria, AM, Espinal, C, Cuartas, AE, Figueroa, EE, and Bravo, MJ), July, 902 Population data on nine STR loci in an El Salvadoran (Central American) sample population (Morales, JA, Monterrosa, JC, Alvarez, JC, Entrala, C, Lorente, JA. Lorente, M, Budowle, B, and Villanueva, E), July, 900

Population data on the three STR loci in the Upper Silesia (Poland) (Raczek, E), Jan.. 228

Population study of seven microsatellites in Alagoas—Northeastern Brazil (da Silva, LA, Pimentel, BJ, de Azevedo, DA, da Silva, EN, and dos Santos, SS), Nov., 1399 STR data for the PowerPlex® 16 loci in Buenos Aires population (Argentina) (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B, Lorente, JA, and Padula, RA), March, 418

Three Y-chromosome STR frequencies in a population from Equatorial Guinea (central Africa) (Alvarez, S, López-Parra, AM, Mesa, MA, Jimenez, V, Herrera, SJ, Bandres, F, Arraztio, A, Rubio, JM, and Arroyo-Pardo, E), Jan., 224

Western Australian sub-population data for the thirteen AMPFℓSTR® Profiler PlusTM and COfilerTM STR Loci (Bagdonavicius, A, Turbett, GR, Buckleton, JS, and Walsh, SJ), Sept.. 1149

Y-Chromosome STR haplotypes in centralwest African immigrant in Spain population sample (Gamero, JJ, Romero, JL, González, JL, Carvalho, M, Anjos, MJ, Real, FC, Vieira, DN, and Vide, MC), March, 421

Population genetics studies

Author's response (Margolis-Nunno, H and Kobilinsky, L), July, 923

Positional asphyxia

The effect of oleoresin capsicum "pepper" spray inhalation on respiratory function (Chan, T, Vilke, GM, Clausen, J, Clark, RF, Schmidt, P, Snowden, T, and Neuman, T), March, 299

Postmortem

Postmortem blood and vitreous humor ethanol concentrations in a victim of a fatal motor vehicle crash (Hardin, GG), March, 402

Postmortem concentrations of citalopram (Anastos, N, McIntyre, IM, Lynch, MJ, and Drummer, OH), July, 882

Postmortem blood

A comparison of carboxyhemoglobin saturation values in postmortem heart blood and peripheral blood specimens (Levine, B, Moore, KA, Titus, JM, and Fowler, D). Nov., 1388

Author's response (Hardin, GG), Nov., 1405

Commentary on: Hardin GC. Postmortem blood and vitreous humor ethanol concentrations in a victim of a fatal motor vehicle crash. J Forensic Sci 2002;47(2):402–403. (Ribe, JK), Nov., 1405

HbAlc as a postmortem tool to identify glycemic control (Winecker, RE, Hammett-Stabler, CA, Chapman, JF, and Ropero-Miller, JD), Nov., 1373

Postmortem chondrocyte damage

Visualization of postmortem chondrocyte damage by vital staining and confocal laser scanning 3D microscopy (Lasczkowski, GE, Aigner, T, Gamerdinger, U, Weiler, G, and Bratzke, H), May, 663

Postmortem dental restoration loss

The use of amalgam powder and calcium hydroxide to recreate a radiopaque image of a lost dental restoration (Shiroma, CY), May, 609

Postmortem interval

Decomposition chemistry of human remains: a new methodology for determining the postmortem interval (Vass, AA, Barshick, SA, Sega, G. Caton, J, Skeen, JT, Love, JC, and Synstelien, JA), May, 542 Effect of temperature on development of Liopygia (= Sarcophaga) Argyrostoma (Robineau-Desvoidy)(Diptera: Sarcophagidae) and its forensic implications (Grassberger, M and Reiter, C), Nov., 1332 Estimation of postmortem interval from hypoxic inducible levels of vascular endothelial growth factor (Thaik-Oo, M, Tanaka, E, Tsuchiya, T, Kominato, Y, Honda, K, Yamazaki, K, and Misawa, S), Jan., 186

Posttraumatic stress disorder

Acute dissociative responses in law enforcement officers involved in critical shooting incidents: the clinical and forensic implications (Rivard, JM, Dietz, P, Martell, D, and Widawski, M). Sept.. 1093

PowerPlex® 1.1

Detection of a primer-binding site polymorphism for the STR locus D16S539 using the Powerplex® 1.1 system and validation of a degenerate primer to correct for the polymorphism (Nelson, MS, Levedakou, EN, Matthews, JR, Early, BE, Freeman, DA, Kuhn, CA, Sprecher, CJ, Amin, AS, McElfresh, KC, and Schumm, JW), March, 345

PowerPlexTM 1.1

Characterization and validation studies of PowerPlexTM 2.1 a nine-locus short tandem repeat (STR) multiplex system and Penta D monoplex (Levedakou. EN, Freeman, DA, Budzynski, MJ, Early, BE. Damaso, RC. Pollard, AM, Townley. AJ, Gombos, JL, Lewis, JL, Kist, FG. Hockensmith, ME. Terwilliger, ML, Amiott, E, McElfresh, KC, Schumm, JW, Ulery, SR, Konotop, F, Sessa, TL, Sailus, JS, Crouse, CA, Tomsey, CS, Ban, JD, and Nelson, MS), July, 757

PowerplexTM 16 STR loci

Genetic study of 15 important STR loci among four major ethnic groups of Bihar, India (Ashma, R and Kashyap, VK), Sept., 1139

PowerPlexTM 2.1

Characterization and validation studies of PowerPlexTM 2.1 a nine-locus short tandem repeat (STR) multiplex system and Penta D monoplex (Levedakou, EN, Freeman, DA,

Budzynski, MJ, Early, BE, Damaso, RC, Pollard, AM, Townley, AJ, Gombos, JL, Lewis, JL. Kist, FG, Hockensmith, ME, Terwilliger, ML, Amiott, E, McElfresh, KC, Schumm, JW, Ulery, SR, Konotop, F, Sessa, TL, Sailus, JS, Crouse, CA, Tomsey, CS, Ban, JD, and Nelson, MS), July, 757

PPD

Extension of the color suite available for chemical enhancement of fingerprints in blood (Caldwell, JP and Kim, ND), March, 33?

Premenstrual dysphoric disorder

PMS, psychosis and culpability: sound or misguided defense? (Downs, LL), Sept., 1083

Premenstrual syndrome

PMS, psychosis and culpability: sound or misguided defense? (Downs, LL), Sept., 1083

Primates

A more sensitive method for the quantitation of genomic DNA by *Alu* amplification (Sifis, ME, Both, K, and Burgoyne, LA), May, 589

Primers

Typing Y chromosome STR haplotypes using redesigned primers (Hou, Y. Zhang, J, Sun, D, Li, Y, Wu, J, Zhang, S, and Prinz, M), Jan., 215

Profiler Plus

Western Australian sub-population data for the thirteen AMPFℓSTR® Profiler Plus[™] and COfiler[™] STR Loci (Bagdonavicius, A, Turbett, GR, Buckleton, JS, and Walsh, SJ), Sept., 1149

Profilometry

3D measurements on extrusion marks in plastic bags (Berx, V and De Kinder, J), Sept., 976

Propellant

A quantitative comparison of smokeless powder measurements (MacCrehan, WA, Reardon, MR, and Duewer, DL), Nov., 1283

Proto-Australoid

D1S80 population data in eight predominant populations of India (Trivedi, R, Chattopadhyay, P, Dutta, R, Sarkar, N, Sharma, AK, and Kashayp, VK), May, 676

Pseudoephedrine

Enantiomeric separation of methamphetamine and related analogs by capillary zone electrophoresis: intelligence study in routine methamphetamine seizures (Cheng, WC, Lee, WM, Chan, MF, Tsui, P, and Dao, KL), Nov., 1248

Psilocybin

Psychotropic drugs in developmental mushrooms: a case study review (Gross, ST), Nov., 1298

Psilocyn

Psychotropic drugs in developmental mushrooms: a case study review (Gross, ST), Nov., 1298

Psychiatry

Pedophilia on the Internet (Deirmenjian, JM), Sept., 1090

Psychological autopsies

Psychological autopsies: the current department of defense effort to standardize training and quality assurance (Ritchie, EC and Gelles. MG), Nov., 1370

Psychological impact

The emotional and psychological impact of mass casualty incidents on forensic odontologists (Webb, DA, Sweet, D, and Pretty, IA), May, 539

Psychology

Forensic implications of biting behavior: a conceptually underdeveloped area of investigation (Webb, DA, Sweet, D, Hinman, DL, and Pretty, IA), Jan., 103

Psychopathology

Review of: drug-facilitated sexual assault: a forensic handbook (Logan, BK), Nov., 1411

Pupulation genetics

Distribution of nine STR loci alleles frequencies in a Chinese population (Yu, X, Hu, DY, Zhang, J, Tang, JP, and Hou, YP), Sept., 1147

Pyrolosis

Forensic analysis of ignitable liquids in fire debris by comprehensive two-dimensional gas chromatography (Frysinger, GS and Gaines, RB), May, 471

Pyrolysis

Author's response (Zollinger, K), Sept., 1179

Q

QLF

The use of quantitative light-induced fluorescence (QLF) to identify composite restorations in forensic examinations (Pretty, IA, Smith, PW. Edgar, WM, and Higham, SM), July, 831

Quality assessment

Assessment of the quality of medical documents issued in central police stations in Madrid, Spain: the doctor's role in the prevention of ill-treatment (Petersen, HD, Morentin, B, Callado, LF, Meana, JJ, and Idoyaga, MI), March, 293

Quantitation

Isotopic analogs as internal standards for quantitative GC/MS analysis-molecular abundance and retention time difference as interference factors (Chang, W-T, Smith, J, and Liu, RH), July, 873

Quantitative microscopy

Handguns and ammunitions indicators extracted from the GSR analysis (Lebiedzik, J and Johnson, DL), May, 483

Questioned document examination

A discrimination method for paper by Fourier transform and cross correlation (miyata, H, Shinozaki, M, Nakayama, T, and Enomae, T), Sept., 1125

Forensic handwriting examiners' expertise for signature comparison (Sita, J. Found, B, and Rogers, DK), Sept., 1117

Questioned documents

An unusual rubber stamp case (Moryan, DD), March, 399

Ballpoint pen inks: characterization by positive and negative ion-electrospray ionization mass spectrometry for the forensic examination of writing inks (Ng, LK, Lafontaine, P, and Brazeau, L), Nov., 1238 Does ink age inside of a pen cartridge? (Grim, DM, Siegel, J, and Allison, J), Nov., 1294

Evaluation of laser desorption mass spectrometry and UV accelerated aging of dyes on paper as tools for the evaluation of a questioned document (Grim, DM, Siegel, J, and Allison, J), Nov., 1265

R

Racemization

Age estimation by measuring the racemization of aspartic acid from total amino acid content of several types of bone and rib cartilage: a preliminary account (Ohtani, S, Matsushima, Y, Kobayashi, Y, and Yamamoto, T), Jan., 32

Radiographic (X-ray) comparison

Radiographic identification using the clavicle of an individual missing from the Vietnam conflict (Adams, BJ and Maves, RC), March, 369

Radiographs

Using pre- and post-surgical foot and ankle radiographs for identification (Rich, J, Tatarek, NE. Powers, RH, Brogdon, BG, Lewis, BJ, and Dean, DE), Nov., 1319

Classification of narcotics in solid mixtures using principal component analysis and Raman spectroscopy (Ryder, AG), March, 275

Screen-print in ink transfer in a sexual assault case (Amick, JF and Beheim, CW), May, 619

Rectification

Photographic evidence protocol: the use of digital imaging methods to rectify angular distortion and create life size reproductions of bite mark evidence (Bowers, CM and Johansen, RJ), Jan., 179

Resonant excitation

Detection of petrol (gasoline) in fire debris by gas chromatography/mass spectrometry/mass spectrometry (GC/MS/MS) (de-Vos. BJ. Froneman, M, Rohwer, E, and Sutherland, DA), July, 736

Restoration

The use of quantitative light-induced fluorescence (QLF) to identify composite restorations in forensic examinations (Pretty, IA, Smith, PW. Edgar, WM, and Higham, SM), July, 831

Restoration of obliteated numbers

Restoration of obliterated painted registration number on vehicle (Thirunavukkarasu, G, Hemalatha, M, and Kuppuswamy, R), March, 374

RT09

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D, Smith, KT. Palman, D, and Kornfield, I), May, 673

RT24

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D. Smith, KT. Palman, D. and Kornfield, I), May, 673

RT-PCR

Evaluation of mRNA markers for the identification of menstrual blood (Bauer, M and Patzelt, D), Nov., 1278

Rubber stamp

An unusual rubber stamp case (Moryan, DD), March, 399

Rubber stopper

A method for the determination of syringe needle punctures in rubber stoppers using stereoscopic light microscopy (Platek, SF, Keisler, MA, Ranieri, N, Reynolds, TW, and Crowe, JB), Sept., 986

 \mathbf{S}

Safety belts

Children in motor vehicle collisions: Analysis of injury by restraint use and seat location (Sweitzer, RE, Rink, RD, Corey, TS, and Goldsmith, J), Sept., 1049

Sarcophagidae

Effect of temperature on development of Liopygia (= Sarcophaga) Argyrostoma (Robineau-Desvoidy)(Diptera: Sarcophagidae) and its forensic implications (Grassberger, M and Reiter, C), Nov., 1332

Scanning electron microscopy (SEM)

Handguns and ammunitions indicators extracted from the GSR analysis (Lebiedzik, J and Johnson, DL), May, 483

Scanning electron microscopy/energydispersive spectroscopy

Brake linings: a source of non-GSR particles containing lead, barium, and antimony (Torre, C, Mattutino, G, Vasino, V, and Robino, C), May, 494

Schizophrenia

Characteristics of assaultive patients with schizophrenia versus personality disorder: six year analysis of the assaulted staff action program (ASAP) (Flannery jr, RB, Rachlin, S, and Walker, AP), May. 558

Screen-printing ink

Screen-print in ink transfer in a sexual assault case (Amick, JF and Beheim, CW), May, 619

Search strategy

Commentary on: Rossi D. Review of: geographic profiling, J Forensic Sci 2001;46(3):765 (Rossmo, DK), Sept., 1175

SEM/EDS analysis

The use of SEM/EDS analysis to distinguish dental and osseous tissue from other materials (Ubelaker, DH, Ward, DC, Braz, VS, and Stewart, J), Sept., 940

Semen

Use of a Y chromosome probe as an aid in the forensic proof of sexual assault (Dziegelewski, M, Simich, JP. and Rittenhouse-Olson, K), May, 601

Semen analysis

Commentary on: Lee GSH, Brinch KM, Kannangara K, Dawson M, Wilson MA. A methodology based on NMR spectroscopy for the forensic analysis of condoms. J Forensic Sci 2001;46(4):808–21. (Blackledge, RD), March, 429

Semen stains

Improving the effectiveness of fluorescence for the detection of semen stains on fabrics (Kobus, H, Silenieks, E, and Scharnberg, J), July, 819

Septa

A method for the determination of syringe needle punctures in rubber stoppers using stereoscopic light microscopy (Platek, SF, Keisler, MA, Ranieri, N, Reynolds, TW, and Crowe, JB), Sept., 986

Serial killers

The case of Jeffrey Dahmer: sexual serial homicide from a neuropsychiatric developmental perspective (Silva, JA, Ferrari, MM, and Leong, GB), Nov., 1347

Sex determination

Commentary on: McBride DG, Dietz MJ, Vennemeyer MT, Meadors ST, Benfer RA. Furbee NL. Bootstrap methods for sex determination from the os coxae using the ID3 algorithm. J Forensic Sci 2001;46:424–428. (Konigsberg, LW. Herrmann, NP, and Wescott, DJ), March, 424

Sex estimation

A test of the Phenice method for the estimation of sex (Ubelaker, DH and Volk, CG), Jan., 19

Sexual abuse

A father marries his daughters: a case of incestuous polygamy (Myers, WC and Brasington, SJ), Sept., 1112

Sexual assault

Erratum/Correction of Dziegelewski M, Simich JP, Rittenhouse-Olson K. Use of a Y chromosome probe as an aid in the forensic proof of sexual assault. J Forensic Sci 2002;47(3):601–604 (Dziegelewski, M, Simich, JP, and Rittenhouse-Olson, K), Sept., 1187

Use of a Y chromosome probe as an aid in the forensic proof of sexual assault (Dziegelewski, M, Simich, JP, and Rittenhouse-Olson, K), May, 601

Sexual Assault Response Team (SART)

Screen-print in ink transfer in a sexual assault case (Amick, JF and Beheim, CW), May, 619

Short tandem repeat

Allele distribution for D21S1435 and D21S2055 loci in two Chinese populations (Liang, W, Zhang, L, Chen, G, Xin, J, Liao, M, and Yu, MY), May, 667

Allele frequencies for eight STR loci in a population sample from Sicily (Italy) (Asmundo, A, Sapienza, D, and Crinò, C), March, 408

Allele frequencies for six STR in a Chilean population (Cifuentes, L, Acuña, M, and Sepulveda, D), July, 904

Allele frequencies for the AmpFℓSTR profiler loci in a Colombian population (department of Boyaca) (Vargas, CI, Castillo, A, Gil, AM, Pico, AL, and García, O), March, 406

Allele frequencies for two STR loci D1S1676, D2S2735 in Chinese population (Gao, YZ, Ying, BW, Hou, YP, Li, YB, Wu, J, Zhang, J, Tang, JP, Yan, J, and Yu, HL), Nov., 1404

Allele frequencies in three STR loci RT24, RT09, and BM1225 in northern New England white-tailed deer (Smith, PF, Den-Danto, D, Smith, KT, Palman, D, and Kornfield, I), May, 673

Allele frequencies of eight short tandem repeat loci in three Visayas Regional populations of the Philippines (Tabbada, KA, Magno, MM. Delfin, FC, Calacal, GC, Tan, M, Chu-Ferreon, JY, Halos, SC, and de Ungria, MC), Nov., 1397

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912 Characterization and validation studies of PowerPlexTM 2.1 a nine-locus short tandem repeat (STR) multiplex system and Penta D monoplex (Levedakou, EN, Freeman, DA,

Budzynski, MJ, Early, BE. Damaso, RC, Pollard, AM, Townley, AJ, Gombos, JL, Lewis, JL, Kist, FG, Hockensmith, ME, Terwilliger, ML, Amiott, E, McElfresh, KC, Schumm, JW, Ulery, SR, Konotop, F, Sessa, TL, Sailus, JS, Crouse, CA, Tomsey, CS, Ban, JD, and Nelson, MS), July, 757 Commentary on: Margolis-Nunno H, Brenner L, Cascardi J, Koblinsky L. A new allele of the short tandem repeat (STR) locus, CSF1PO. J Forensic Sci 2001;46(6):1480–1483 (Walsh, SJ), July, 923

Detection of a primer-binding site polymorphism for the STR locus D16S539 using the Powerplex[®] 1.1 system and validation of a degenerate primer to correct for the polymorphism (Nelson, MS. Levedakou, EN, Matthews, JR, Early. BE, Freeman, DA, Kuhn, CA, Sprecher, CJ, Amin, AS, McElfresh, KC, and Schumm, JW), March, 345 Distribution of allele frequencies for two short tandem repeats (HUMTH01 and F13A01) among five Indian population groups (Ghosh, A and Seshadri, M), March, 415

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R, and Kashyap, VK), Sept., 1168

Han Chinese population data for ten STR loci in Changsha, China (Ma. Y, Gong, B, Xia, J, Deng, H, Pan, Q, Li, Q, Dai, H, Wen, S, and Xia, K), March, 404

Haplotype frequencies for two new Y-STR loci in Chinese population (Zhang, J. Hou, Y, Tang, J, Li, Y, and Wu, J), Jan., 232

Indian population data for two tetrameric short tandem repeat loci—vWA and D3S1359 (Ghosh, A and Seshadri, M), March, 413

Population data on the three STR loci in the Upper Silesia (Poland) (Raczek, E), Jan., 228

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

Trace DNA: a review, discussion of theory, and application of the transfer of trace quantities of DNA through skin contact (Wickenheiser, RA), May, 442

Validation of a 16-locus fluorescent multiplex system (Krenke, BE, Tereba, A. Anderson, SJ, Buel, E, Culhane, S, Finis, CJ, Tomsey, CS, Zachetti, JM, and Sprecher, CJ), July, 773

Y-Chromosome STR haplotypes in centralwest African immigrant in Spain population sample (Gamero, JJ, Romero, JL, González, JL, Carvalho, M, Anjos, MJ, Real, FC, Vieira, DN, and Vide, MC), March, 421

Short tandem repeat loci

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox. KJ, and Burns, DM), July, 786

Short tandem repeats

A study on four short tandem repeat systems: African immigrant, Portuguese, and Spanish population data (Gamero, JJ, Romero, JL. González, JL. Carvalho, M. Anjos, MJ, Real, FC, and Vide, MC), July,

Allele frequencies for 10 STR loci in Istanbul (Turkey) population (Filoglu, G, Abaci-Kalfoglu, E, and Atasoy, S), July. 909 Allele frequencies for three STR loci in Turkish population of Kosovo (Cerkezi, AB, Altunçul, DH, Yükseloglu, H, Abaci-Kalfoglu, E, and Atasoy, S), July, 908 Allele frequencies of CODIS STR loci in Chinese population (Ji, Q, Zhang, H, Du, H, Dong, J, Tang, J, Sheng, Y, Liao, J, Wang, Q, and Hou, Y), Sept., 1143

Allele frequency distribution of three STR loci (D5S818, Penta D, and Penta E) in Turkish population (Çakir, AH and Çelebioglu, A), Sept., 1154

Distribution of nine STR loci alleles frequencies in a Chinese population (Yu, X, Hu, DY, Zhang, J, Tang, JP, and Hou, YP), Sept., 1147

Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations (Kayser, M, Brauer, S, Willuweit, S, Schädlich, H, Batzer, MA, Zawacki, J, Prinz, M, Roewer, L, and Stoneking, M), May, 513

STR data for the PowerPlex® 16 loci in Buenos Aires population (Argentina) (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B. Lorente, JA, and Padula, RA), March, 418

Typing of the locus DYS19 from DNA derived from fingernail clippings using PCR ConcertTM rapid purification system (Gangitano, DA, Garófalo, MG, Juvenal, GJ, Budowle, B, and Padula, RA), Jan., 175 Western Australian sub-population data for the thirteen AMPFℓSTR® Profiler Plus™ and COfiler™ STR Loci (Bagdonavicius, A, Turbett, GR, Buckleton, JS, and Walsh, SJ), Sept., 1149

Forensic handwriting examiners' expertise for signature comparison (Sita, J, Found, B, and Rogers, DK), Sept., 1117

Signature analysis

Optimum methamphetamine profiling with sample preparation by solid-phase microextraction (Koester, CJ, Andresen, BD, and Grant, PM), Sept., 1002

Site dependence

A comparison of carboxyhemoglobin saturation values in postmortem heart blood and peripheral blood specimens (Levine, B, Moore, KA, Titus, JM, and Fowler, D), Nov., 1388

Skeletal age at death

Application of Lamendin's adult dental aging technique to a diverse skeletal sample (Prince, DA and Ubelaker, D), Jan., 107

Skeletal age estimation

Variability of the pattern of aging on the human skeleton: evidence from bone indicators and implications on age at death estimation (Schmitt, A, Murail, P, Cunha, E, and Rougé, D), Nov., 1203

Skeletal anatomy

Review of: human skeletal anatomy laboratory manual and workbook (Williams, S and Warren, MW), July, 924

Skeletal measurements

Interobserver variation of selected postcranial skeletal measurements (Adams, BJ and Byrd, JE), Nov., 1193

Trace DNA: a review, discussion of theory, and application of the transfer of trace quantities of DNA through skin contact (Wickenheiser, RA), May, 442

Do resemblance ratings measure the accuracy of facial approximation? (Stephan, CN), March, 239

Slip resistance

Utilized coefficient of friction during walking: static estimates exceed measured values (Powers, CM, Burnfield, JM, Lim, P, Brault, JM, and Flynn, JE), Nov., 1303

Smokeless powder

A qualitative comparison of smokeless powder measurements (MacCrehan, WA and Reardon, MR), Sept., 996

A quantitative comparison of smokeless powder measurements (MacCrehan, WA, Reardon, MR, and Duewer, DL), Nov., 1283

Smokeless powders

A gradient reversed phase HPLC procedure for smokeless powder comparison (Wissinger, CE and McCord, BR), Jan., 168

Smoking

GC/MS determination of pyrolysis products from diacetylmorphine and adulterants of street heroin samples (Brenneisen, R and Hasler, F), July, 885

SNPs

Characterization of the Caucasian haplogroups present in the SWGDAM forensic mtDNA dataset for 1771 human control region sequences (Allard, MW, Miller, K, Wilson, M, Monson, KL, and Budowle, B), Nov., 1215

Melting curve SNP (McSNP) genotyping: a useful approach for diallelic genotyping in forensic science (Ye, J, Parra, EJ, Sosnoski, DM, Hiester, K, Underhill, PA, and Shriver, MD), May, 593

Social isolation

Discovery of decomposed and mummified corpses in the domestic setting-a marker of social isolation? (Hönigschnabl, S, Schaden, E, Stichenwirth, M, Schneider, B, Klupp, N, Kremeier, E, Lehner, W, Vycudilik, W. Bauer, G, and Risser, D), July, 837

Sodium fluoroacetate

The identification of sodium fluoroacetate (Compound 1080) employing NMR spectroscopy (Kirms, MA and Kirms, LM), May, 573

Soil

Forensic comparison of soils by bacterial community NDA profiling (Horswell, J, Cordiner, SJ. Maas, EW, Martin, TM, Sutherland, BW, Speir, TW, Nogales, B, and Osborn, AM), March, 350

Soil analyses

The combined use of pollen and soil analyses in a search and subsequent murder investigation (Brown, AG, Smith, A, and Elmhurst, O), May, 614

Soil color

Identification of stolen rare palm trees by soil morphological and mineralogical properties (Lee, BD, Williamson, TN, and Graham, RC), Jan., 190

Soil science

Identification of stolen rare palm trees by soil morphological and mineralogical properties (Lee, BD, Williamson, TN, and Graham, RC), Jan., 190

Solubility test

Identification of tiny and thin smears of automotive paint following a traffic accident (Giang, YS, Wang, SM, Cho, LL, Yang, CK, and Lu, CC), May, 625

Solvent extraction

Stability and detectability of lachrymators and their degradation products in evidence samples (Kataoka, M, Seto, Y, Tsuge, K, and Noami, M), Jan., 44

South Indian population

Y-chromosomal STR haplotypes in two population goups of Kerala in South India (Das, B, Chauhan, PS, and Seshadri, M), May, 690

Frequency data of nine Y-chromosomal STR loci in a sample from Central Spain (López-Parra, AM, Alvarez, S, Mesa, MS, Bandrés, F, and Arroyo-Pardo, E), May, 694

Spectroscopic analysis

The identification of sodium fluoroacetate (Compound 1080) employing NMR spectroscopy (Kirms, MA and Kirms, LM), May, 573

Spectroscopy

Classification of narcotics in solid mixtures using principal component analysis and Raman spectroscopy (Ryder, AG), March, 275

Sphenoid sinus

Identification of human skeletal remains by comparison of bony details of the cranium using computerized tomographic (CT) scans (Smith, DR, Limbird, KG, and Hoffman, JM). Sept., 937

Spontaneous fractures

Spontaneous fractures in the differential diagnosis of fractures in children (Torwalt, CR, Balachandra, AT, Youngson, C, and de Nanassay, J), Nov., 1340

Spontaneous human combustion

Experiments in the combustibility of the human body (Christensen, AM), May, 466

Spontaneous ignition thresholds

Chemical analysis of vegetable oils following spontaneous ignition (Coulombe, R). Jan., 195

Stab wounds

Sharp injury fatalities in New York City (Gill, JR and Catanese, C), May, 554

Stability

Stability and detectability of lachrymators and their degradation products in evidence samples (Kataoka, M, Seto, Y, Tsuge, K, and Noami, M), Jan., 44

Staging

Spousal homicide and the subsequent staging of a sexual homicide at a distant location (Meloy, JR), March, 395

Stalker characteristics

Stalking following the breakup of romantic relationships: characteristics of stalking former partners (Roberts, KA), Sept., 1070

Stalking

Erratum/correction of predicting violent behavior in stalkers: a preliminary investigation in criminal harassment. J Forensic Sci 2001;46(6):1403–1410. May, 714

Stalking following the breakup of romantic relationships: characteristics of stalking former partners (Roberts, KA), Sept., 1070 Stalking: developing an empirical typology to classify stalkers (Del Ben, K and Fremouw, WJ), Jan., 152

Statistics

Estimation of the quantity of a drug in a consignment from measurements on a sample (Aitken, CGG and Lucy, D), Sept., 968 Interpretation of glass composition measurements: the effects of match criteria on discrimination capability (Koons, RD and Buscaglia, J), May, 505

Stature estimation

New formulae for estimating stature in the Balkans (Ross, AH and Konigsberg, LW), Jan., 165

Stimulants

Prevalence of drug use in commercial tractor-trailer drivers (Couper, FJ, Pemberton, M, Jarvis, A, Hughes, M, and Logan, BK), May, 562

Stolen paintings

The identification of stolen paintings using comparison of various marks (Shor, Y, Novoselsky, Y, Klein, A, Lurie, DJ, Levi, JA, Vinokurov, A, and Levin, N), May, 633

STR

Allele frequencies of microsatellite repeat loci in Bhargavas, Chaturvedis, and Brahmins of North India (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 678

Concordance study on 15 STR loci in three major populations of Himalayan State Sikkim (Kashyap, VK, Guha. S, and Trivedi, R), Sept., 1163

Constructing universal multiplex PCR systems for comparative genotyping (Wallin, JM, Holt, CL, Lazaruk, KD, Nguyen, TH, and Walsh, PS). Jan., 52

Distribution of allele frequencies of six STR markers in North Indians (Agrawal, S, Müller, B. Bharadwaj, U, Bhatnagar, S, and Khan, F), May, 682

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene, M, Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E, Moreno, P, and Corbella, J), Sept., 1156 Evaluation of six short tandem repeat loci in forensics: North Indian populations (Agrawal, S, Müller, B, Bharadwaj, U, Bhatnagar, S, and Khan, F). May, 686 Population data for the STR systems D3S1358, D8S1179, D18S51, D21S11, and the Y-chromosomal DYS385 in a population sample from Lower Franconia (South Germany) (Jung, S and Patzelt, D), Sept.,

TWGDAM validation of AMPF&STRTM PCR amplification kits for forensic DNA casework (Holt, CL. Buoncristiani, M, Wallin, JM, Nguyen, T, Lazaruk, KD, and Walsh, PS). Jan., 66

STR data

Review of: forensic DNA typing (Sensbaugh, GF), May, 705

STR system

Mitochondrial DNA and STR typing of matter adhering to an earphone (Seo, Y, Uchiyama, T, Matsuda, H, Shimizu, K, Takami, Y, Nakayama, T, and Takahama, K). May. 605

Street heroin

GC/MS determination of pyrolysis products from diacetylmorphine and adulterants of street heroin samples (Brenneisen, R and Hasler, F), July, 885

STR

Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations (Kayser, M, Brauer, S, Willuweit. S, Schädlich, H, Batzer, MA, Zawacki. J, Prinz, M, Roewer, L, and Stoneking. M), May, 513

Subarachnoid hemorrhage

Pseudo-subarachnoid hemorrhage of the head diagnosed by computerized axial tomography: a postmortem study of ten medical examiner cases (Chute, DJ and Smialek, JE), March, 360

Sublimation

Advanced solvent-free application of ninhydrin for detection of latent fingerprints on thermal paper and other surfaces (Schwartz, L and Frerichs, I), Nov., 1274

Substance abuse

The use of oral fluid and sweat wipes for the detection of drugs of abuse in drivers (Samyn, N, De Beock, G, and Verstraete, AG), Nov., 1380

Substance abuse detection

Classification of narcotics in solid mixtures using principal component analysis and Raman spectroscopy (Ryder, AG), March, 275

Sudden death

Sudden death due to an unrecognized cardiac hydatid cyst (Malamou-Mitsi, V, Pappa, L, Vougiouklakis, T, Peschos, D, Kazakos, N, Grekas, G, Sideris, D, and Agnantis, NJ), Sept., 1062

Sudden death due to undiagnosed Wilms' tumor in an adult (Oeberst, JL, Barnard, JJ, and Prahlow, JA). May, 638

Sudden Infant Death Syndrome (SIDS)

Failure to detect elevated levels of carboxyhemoglobin in infants dying from SIDS (Meny, RG, Vreman, HJ, Stevenson, DK, Hauck, FR, Donoghue, ER, Smialek, JE, Fowler, DR, and Zielke, HR), May, 660

Suicide

Cervical fracture, decapitation, and vehicleassisted suicide (Byard, RW and Gilbert, JD), March. 392

Psychological autopsies: the current department of defense effort to standardize training and quality assurance (Ritchie, EC and Gelles, MG), Nov., 1370

Suicide by drowning: a 20-year review (Wirthwein, DP, Barnard, JJ, and Prahlow, JA), Jan., 131

Suicide on death row (Lester, D and Tartaro, C). Sept., 1108

Unusual suicidal smothering by means of multiple loops of adhesive gummed tape (Di Vella, G. Neri, M, and Belviso, M), May, 645

Sweat

The use of oral fluid and sweat wipes for the detection of drugs of abuse in drivers (Samyn, N, De Beock, G, and Verstraete, AG), Nov., 1380

SWGDAM forensic mtDNA dataset

Characterization of the Caucasian haplogroups present in the SWGDAM forensic mtDNA dataset for 1771 human control region sequences (Allard, MW, Miller, K, Wilson, M, Monson, KL, and Budowle, B), Nov., 1215

SWGMAT

Author's response (Zollinger, K), Sept., 1179

Synchotron radiation

Trace elemental analysis of drugs of abuse using synchrotron radiation total reflection X-ray fluorescence analysis (SR-TXRF) (Muratsu, S, Ninomiya, T, Kagoshima, Y, and Matsui, J), Sept., 944

Syringe

A method for the determination of syringe needle punctures in rubber stoppers using stereoscopic light microscopy (Platek, SF, Keisler, MA, Ranieri, N, Reynolds. TW, and Crowe, JB), Sept., 986

Talipes equinovarus

Identification of decomposed human remains from radiographic comparisons of an unusual foot deformity (Sudimack, JR, Lewis, BJ. Rich, J, Dean, DE, and Fardal, PM), Jan., 218

Ternary diagrams

Changes in composition of ballpoint pen inks on aging in darkness (Andrasko, J), March, 324

Text book

Review of: introduction to forensic anthropology: a textbook (Rowe, WF), Nov., 1

Third molar

The accuracy and precision of third molar development as an indicator of chronological age in Hispanics (Solari, AC and Abramovitch, K), May, 531

TH01

Allele frequency data for Powerplex 16 loci in four major populations of Orissa, India (Sahoo, S and Kashyap, VK), July, 912 Commentary on: Çakir AH, Simsek F, Açik L. Tasdelen B. Distribution of HumTPOX. HumvWA, HumTh01 alleles in a Turkish population sample. J Forensic Sci 2001;46(5):1257 (Kalfoglu, EA). July, 922 Concordance study on 15 STR loci in three major populations of Himalayan State Sikkim (Kashyap, VK, Guha, S. and Trivedi, R), Sept., 1163

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept.. 1168

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

Recovery of genomic DNA from archived PCR product mixes for subsequent multiplex amplification and typing of additional loci: forensic significance for older unsolved criminal cases (Patchett, KL, Cox, KJ, and Burns, DM), July, 786

Threat assessment

An epidemiological assessment of problematic contacts to members of congress (Scalora, MJ, Baumgartner, JV, Zimmerman. W, Callaway, D, Hatch Maillette, MA, Covell, CN, Palarea, RE, Krebs, JA, and Washington, DO), Nov., 1360

Three-dimensional transformation

A 3-D transformation to improve the legibility of license plate numbers (Wen, CY, Yu, CC, and Hun, ZD), May, 578

Tibetan

Allele frequency distribution of the STR locus D20S161 in Indonesians, Tibetans. South African Blacks and South African Whites (Kido, A, Susukida, R, Oya, M, Fujitan, N, Kimura, H, and Hara, M). Nov., 1401

Time since death

Decomposition chemistry of human remains: a new methodology for determining the postmortem interval (Vass, AA, Barshick, SA, Sega, G, Caton, J, Skeen, JT, Love, JC, and Synstelien, JA), May. 542

Tissue composition

Decomposition chemistry of human remains: a new methodology for determining the postmortem interval (Vass, AA, Barshick, SA, Sega, G, Caton, J, Skeen, JT, Love, JC, and Synstelien, JA), May, 542

Toolmarks

Unusual contact marks: connecting the hubcap to the wheel of the car (Novoselsky, Y, Tsach, T, Klein, A, Volkov, N, Shor, Y, and Vinokurov, A), May, 630

Tooth formation

The accuracy and precision of third molar development as an indicator of chronological age in Hispanics (Solari, AC and Abramovitch, K), May, 531

Toxicology

Colchicine poisoning resulting from accidental ingestion of meadow saffron (Colchicum Autumnale) (Sannohe, S. Makino, Y, Kita, T, Kuroda, N, and Shinozuka, T), Nov., 1391

Detection of ketosis in vitreous at autopsy after embalming (Steinhauer, JR, Volk, A. Hardy, R, Konrad, R, Daly, T, and Robinson, CA), Jan., 221

Drug-facilitated sexual assault involving gamma-hydroxybutyric acid (Stillwell, ME), Sept., 1133

Fatal and nonfatal poisoning by hydrogen sulfide at an industrial waste site (Kage, S. Kashimura, S, Ikeda, H, Kudo, K, and Ikeda, N), May, 652

Prevalence of drug use in commercial tractor-trailer drivers (Couper, FJ, Pemberton, M, Jarvis, A, Hughes, M, and Logan, BK), May, 562

TPOX

Commentary on: Çakir AH, Simsek F, Açik L, Tasdelen B. Distribution of HumTPOX, HumvWA, HumTh01 alleles in a Turkish population sample. J Forensic Sci 2001;46(5):1257 (Kalfoglu, EA), July, 922 The effect of 1.2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May. 586

Trace analysis

Trace elemental analysis of drugs of abuse using synchrotron radiation total reflection X-ray fluorescence analysis (SR-TXRF) (Muratsu, S, Ninomiya, T, Kagoshima, Y, and Matsui, J), Sept., 944

Trace evidence

Interpretation of glass composition measurements: the effects of match criteria on discrimination capability (Koons, RD and Buscaglia, J), May, 505

Screen-print in ink transfer in a sexual assault case (Amick, JF and Beheim, CW). May. 619

Tractor-trailer drivers

Prevalence of drug use in commercial tractor-trailer drivers (Couper, FJ, Pemberton, M, Jarvis, A, Hughes, M, and Logan, BK). May, 562

Transportation

Review of: the Robert F. Borkenstein International Symposium on Alcohol and Forensic Science-the Influence of Alcohol and Drugs on Transportation Safety (Caplan. YH), May, 706

Turkey

Allele frequencies for 10 STR loci in Istanbul (Turkey) population (Filoglu, G, Abaci-Kalfoglu, E, and Atasoy, S), July, 909 Distribution of HLA-DQA1 and amplitype PM locus alleles in Aegean region of Turkey (Çakir, AH, Simsek, F, and Altunbas, S), May, 710

Turkish population sample

Commentary on: Çakir AH, Simsek F, Açik L, Tasdelen B. Distribution of HumTPOX, HumvWA. HumTh01 alleles in a Turkish population sample. J Forensic Sci 2001;46(5):1257 (Kalfoglu, EA), July, 922

Typology

Stalking: developing an empirical typology to classify stalkers (Del Ben, K and Fremouw, WJ), Jan., 152

U

Ultrasound

In vivo facial tissue depth measurements for White British children (Wilkinson, CM), May, 459

Unemployment

Discovery of decomposed and mummified corpses in the domestic setting—a marker of social isolation? (Hönigschnabl, S, Schaden, E, Stichenwirth, M, Schneider, B, Klupp, N, Kremeier, E, Lehner, W, Vycudilik, W, Bauer, G, and Risser, D), July, 837

Urine sample

Successful DNA typing of a urine sample in a doping control case using a human mitochondrial DNA analysis (Junge, A, Steevens, M, and Madea, B), Sept., 1022

Urine stains

Identification of human urine stains by HPLC analysis of 17-ketosteroid conjugates (Nakazono, T, Kashimura, S, Hayashiba, Y, Hisatomi, T, and Hara, K), May, 568

\mathbf{V}

Validation

Characterization of the Caucasian haplogroups present in the SWGDAM forensic mtDNA dataset for 1771 human control region sequences (Allard, MW, Miller, K. Wilson, M, Monson, KL, and Budowle, B), Nov., 1215

Validation of a 16-locus fluorescent multiplex system (Krenke, BE, Tereba, A, Anderson, SJ, Buel, E, Culhane, S, Finis, CJ, Tomsey, CS, Zachetti, JM, and Sprecher, CJ), July, 773

Vascular endothelial growth factor (VEGF)

Estimation of postmortem interval from hypoxic inducible levels of vascular endothelial growth factor (Thaik-Oo, M, Tanaka, E, Tsuchiya, T, Kominato, Y, Honda, K, Yamazaki, K, and Misawa, S), Jan., 186

Vaseline

Development of fluorescent markers using polycyclic aromatic hydrocarbons with vaseline (Kurata, SK, Hirano, H, and Nagai, M), March, 244

Vegetable oils

Chemical analysis of vegetable oils following spontaneous ignition (Coulombe, R), Jan., 195

Vehicle history

The combined use of pollen and soil analyses in a search and subsequent murder investigation (Brown, AG, Smith, A, and Elmhurst, O), May, 614

Victim identification

WinID2 versus CAPMI4: two computer-assisted dental identification systems (Lewis, C), May, 536

Video camera

An approach to individual video camera identification (Kurosawa, K. Kuroki, K, and Saitoh, N), Jan., 97

Video image

An approach to individual video camera identification (Kurosawa, K, Kuroki, K, and Saitoh, N), Jan., 97

Video recording

Gunshot location through recorded sound: a preliminary report (Pregliasco, RG and Martínez, EN), Nov., 1309

Virtopsy

Charred body: virtual autopsy with multislice computed tomography and magnetic resonance imaging (Thali, MJ, Yen, K, Plattner, T, Schweitzer, W, Vock, P, Ozdoba, C, and Dirnhofer, R), Nov., 1326

Virtual autopsy

Charred body: virtual autopsy with multislice computed tomography and magnetic resonance imaging (Thali, MJ, Yen, K, Plattner, T, Schweitzer, W, Vock, P, Ozdoba, C, and Dirnhofer, R), Nov., 1326

Visualization

Forensic radiology with cross-section modalities: spiral CT evaluation of a knife wound to the aorta (Thali, M, Schwab, CM, Tairi, K, Dirnhofer, R, and Vock, P), Sept., 1041

Vitreous

Detection of ketosis in vitreous at autopsy after embalming (Steinhauer, JR, Volk, A, Hardy, R, Konrad, R, Daly, T, and Robinson, CA), Jan., 221

Vitreous humor

Author's response (Hardin, GG), Nov., 1405

Commentary on: Hardin GC. Postmortem blood and vitreous humor ethanol concentrations in a victim of a fatal motor vehicle crash. J Forensic Sci 2002;47(2):402–403. (Ribe, JK), Nov., 1405

VNTR

Allele frequencies of D1S80 locus in the Bharias, a primitive Indian tribal population from Patalkot, India (Biswas, R and Giroti, R), Nov., 1403

vWA

Genotype profile for thirteen tetranucleotide repeat loci and two pentanucleotide repeat loci in four endogamous Tamil population groups of India (Laximi, S, Trevedi, R., and Kashyap, VK), Sept., 1168

The effect of 1,2-indanedione, a latent fingerprint reagent on subsequent DNA profiling (Azoury, M, Zamir, A, Oz, C, and Wiesner, S), May, 586

W

Wax

Analysis of artificial fireplace logs by high temperature gas chromatography (Kuk, RJ), Nov., 1288

Wilms' tumor

Sudden death due to undiagnosed Wilms' tumor in an adult (Oeberst, JL, Barnard, JJ, and Prahlow, JA), May, 638

Wounds

Fetal gunshot wound characteristics (Catanese, CA and Gilmore, K), Sept., 1067

\mathbf{X}

X-ray analyses

The use of amalgam powder and calcium hydroxide to recreate a radiopaque image of a lost dental restoration (Shiroma, CY), May, 609

Xvlene

Commentary on Bernard WR. Paint and tape: collection and storage of microtraces of paint in adhesive tape. J Forensic Sci 2000; 45(6) 1312-5. (Ryland, S). Sept., 1178

Y

Y chromosome

Distribution of DYS19, DYS389 I, DYS389 II, DYS389 II, DYS390 alleles in a southern Italian population sample (Di Nunno, N, Baldassarra, SL, Di Nunno, C, Boninfante, B, Guanti, G, Forleo, G, and Resta, N), March, 417

DYS19, DYS385, DYS389, (I and II), DYS390, DYS391, DYS392, DYS393 haplotypes in a population sample from Catalonia (North-East Spain) (Gene, M, Pique, E, Borrego, N, Ortega, M, Xifró, A, Hugue, E, Moreno, P, and Corbella, J), Sept., 1156 Use of a Y chromosome probe as an aid in the forensic proof of sexual assault (Dziegelewski, M, Simich, JP, and Rittenhouse-Olson, K), May, 601

Y chromosome DNA

Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations (Kayser, M, Brauer, S, Willuweit, S, Schädlich, H, Batzer, MA, Zawacki, J, Prinz, M, Roewer, L, and Stoneking, M), May, 513

Y chromosome probe

Erratum/Correction of Dziegelewski M, Simich JP, Rittenhouse-Olson K. Use of a Y chromosome probe as an aid in the forensic proof of sexual assault. J Forensic Sci 2002;47(3):601–604 (Dziegelewski, M, Simich, JP, and Rittenhouse-Olson, K), Sept., 1187

Y short tandem repeats

Distribution of DYS391, DYS392, DYS393, DYS385, alleles in a Southern Italian population sample (DiNunno, N, Baldassarra, SL, DiNunno, C, Boninfante,

B, Guanti, G, Forleo, G, and Resta, N), July, 911

Y STR haplotypes

Y-chromosomal STR haplotypes in two population goups of Kerala in South India (Das, B, Chauhan, PS, and Seshadri, M), May, 690

Y-chromosomal haplotypes

Population database of Y-chromosomal

haplotypes at five microsatellites among two distinct ethinic groups of Western India (Das, B, Chauhan, PS, and Seshadri, M), May. 692

Y-chromosomal STRs

Allele frequency distribution at five Ychromosomal short tandem repeat loci among five distinct ethnic groups of India (Das, B, Chauhan, PS, and Seshadri, M), March, 410

Y-chromosome

Allele frequencies of Y-chromosome STR locus DYS445 in a Chinese population (Dong, JG, Hou, YP, Li, YB, Wu, J, Tang, JP, and Ji, Q), Sept., 1160

Y-Chromosome STR haplotypes in centralwest African immigrant in Spain population sample (Gamero, JJ, Romero, JL, González, JL, Carvalho, M, Anjos, MJ, Real, FC, Vieira, DN, and Vide, MC), March, 421