

# CURRICULUM VITAE

## **BRYAN REEDER BURNETT**

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## **EDUCATION**

Scripps Institution of Oceanography: M.S. Marine Biology  
San Diego State University: M.S. Biology (Physiology)  
San Diego State University: B.S. Zoology

## **PROFESSIONAL EXPERIENCE**

- Scanning electron microscopy - preparation/operation/imaging
- Energy dispersive X-ray analysis - elemental analysis
- Gunshot forensics - Gunshot residue analysis & interpretation
- Crime-scene reconstruction
- Quantification of asbestos and non-asbestos particle burden in lung tissue by electron microscopy.
- Digital imaging - application development/training in the PC environment
- Detection of manipulation in color photographs
- Booth setup, display and demonstrations in technical shows
- Testimony in court (civil and criminal)
- Use of statistics in ecology and other sciences
- Technical/scientific illustration (>35 years experience)
- Beta testing of software for scientists for a digital camera company
- Specialized software development - documentation/debugging (Basic)
- Biological Oceanography/Marine Biology - set up of sampling programs, etc. (6 months total sea time)

## **EMPLOYMENT**

Jan. 1982- Present: Director of MEIXA TECH, Cardiff-by-the-Sea, California. We provide:

- 1) Documentation of inorganic particle exposure (e.g. asbestos, heavy metals) in lung and other tissue. Meixa Tech has worked on hundreds of pulmonary-injury cases throughout the country (publications).
- 2) Analysis and interpretation of gunshot residue in criminal cases (publications).
- 3) Digital imaging: macro imaging, image enhancement and processing (publications).
- 4) Crime-scene reconstruction (publications).
- 5) Industrial testing, past & current clients include: Maxwell Labs, Cymer Laser, Kelco, Ryan Aeronautical, Biosensors International and Professional Water Technologies.
- 6) Award-winning artist: sculptures

Jan. 2002- Mar. 2005: Associate with NYOPTICS, INC. Duties include demonstration of digital cameras to professional engineers and scientists, booth preparation and product demonstration for trade shows, training professionals on the use of Adobe® Photoshop and beta-testing of a manufacturer of scientific digital cameras and software.

Feb. 1997- Oct.2000: Associate with PACIFIC CREST IMAGING SYSTEMS. Duties include demonstration of digital cameras to professional engineers and scientists, booth preparation and product demonstration for trade shows, training professionals on the use of Adobe Photoshop and beta-testing of a major manufacturer of scientific digital cameras and software.

Nov. 1992- Sept. 1997: Senior Scientist with FORENSIC SCIENCE CONSULTING GROUP, Cardiff-by-the-Sea, California (Director: Joseph Orantes). We provided forensic support for almost all aspects in the investigation of criminal cases. My expertise includes gunshot residue and other particle analyses by scanning electron microscopy/energy dispersive X-ray analysis. I also contribute expertise in other forensic areas where scanning electron and light microscopy are applicable.

July 1987- July 1988: Senior Research Analyst with MEC Analytical Systems. 531 Encinitas Blvd., Suite 110, Encinitas, CA 92024.

Oct. 1981- Aug. 1982: Scientific illustrator and illustration consultant for environmental impact reports involving shallow marine and fresh water projects. Lockheed Ocean Systems, San Diego.

Oct. 1980- June 1982: Staff Research Associate, University of California, San Diego. Duties: finding particulates in human lung sections with scanning electron microscopy and identifying elemental composition using X-ray analysis.

June 1980- Oct. 1980: Freelance scientific illustration. Clients included Marine Ecological Consultants and Marine Review Committee.

Oct. 1975- June 1980: Staff Research Associate, Scripps Institution of Oceanography. Duties: ecological impact study for DOE of the abyssal benthos in the central North Pacific. Nano-, meio- and macrobenthos; organisms associated with ferromanganese nodules. Chief scientist in oceanographic expeditions.

## **HOBBIES**

Antique furniture restoration

Sculpture in wood

Award: First Place and Best of Show, 2015 Fine Art Show, San Diego County Fair, Del Mar, California

## **AFFILIATIONS**

American Academy of Forensic Sciences (Retired Fellow, General Section, member since 1986)

San Diego Forensic Consultants Association (1982 to 2015; defunct as of March 2015))

Vice President, 2008, 2009, 2010, 2011

President, 1998, 1999

Secretary, 1992, 1993, 1994

Newsletter Editor, 1992, 1993, 1994

International Association for MicroAnalysis (defunct, bur professional articles still available online)

## **CERTIFICATIONS & AWARDS**

San Diego County Fair Fine Art Show: 2015 - First Place and Best of Show: "Sculpture Under my Avocado Tree"

Invited speaker, International Association of Meiobenthologists, Hamburg , Germany 1977.

Early '90s: certified by the EPA for asbestos analysis by PLM.

Provisional certification to Meixa Tech as a medical laboratory (CLIA# 05D0565549) by the U.S. Department of Health and Human Services. Certification was solely contingent that Meixa Tech's director has a M.D. or Ph.D. degree - all other requirements for certification have been met. Provisional certification status cancelled sometime prior to May 2008.

Los Angeles County Superior Court Judges - List of Approved Experts: Crime Scene Reconstruction & Gunshot Residue, since 2011.

## **CONFERENCES ATTENDED**

American Academy of Forensic Sciences - 1987, 1988, 1989, 1990, 1991,1994, 1995, 1998, 2000, 2014, 2015, 2016, 2017 (original papers presented for most)

California Association of Criminalists - 1993, 1995, 1996, 2002

Canadian Society of Forensic Science & Northwest Association Forensic Scientists - November, 1994, Vancouver, BC - Round Table Discussion on Gunshot Residue Scanning 96, 1996 – Forensic course/workshops/original papers.

Scanning 97, 1997 – Forensic course/workshops/original papers (presenter).

Scanning 03, 2003 – Forensic course/workshops/original papers.

Scanning 05, 2005 – Forensic course/workshops/original papers (presenter).

Scanning 07, 2007 – Forensic course/workshops/original papers (presenter).

Scanning 09, 2009 – Forensic course//original papers (presenter).

SPIE Scanning 2014 – Original papers (presenter).

## **COURT APPEARANCES (as an expert)**

1. July 1988: People v. Joselito Cinco, Superior Court, Orange County, California (accepted as a expert on SEM/EDXA- gunshot residue)
2. May 1990: Royal v. Colvin, Superior Court, Contra Costa County, California (accepted as a expert on SEM/EDXA- particle analysis)
3. Dec. 1991: Jacobs v. Wittaker Corporation, Superior Court, Los Angeles County, South Central District, Compton, CA (accepted as a expert on SEM/EDXA- particle analysis)
4. Oct. 1993: USMC v. Williams. Military Court, Camp Pendleton, California (accepted as a expert on SEM/EDXA- gunshot residue)
5. Aug. 1994: People v. Edmunds. Superior Court, El Cajon, California (accepted as an expert on SEM/EDXA- gunshot residue)
6. Sept. 1995: People v. Morrison. Oklahoma City, Oklahoma (accepted as an expert on SEM/EDXA- gunshot residue)
7. Oct. 1995: People v. Rogers. Superior Court, San Diego (accepted as an expert on SEM/EDXA- gunshot residue)
8. May 1996: People v. Leon, Superior Court, Orange County (accepted as an expert on SEM/EDXA - gunshot residue)
9. Nov. 1996: USMC v. Quintanilla. Military Court, Camp Pendleton, California (accepted as a expert on SEM/EDXA- gunshot residue, paint analysis)

10. Dec. 1996: People v. Murphy. Superior Court, Los Angeles (accepted as an expert on SEM/EDXA - gunshot residue)
11. Mar. 1997: People v. Chrisman. Superior Court, San Diego (accepted as an expert on SEM/EDXA - gunshot residue)
12. Apr. 1997: People v. Pena. Superior Court, San Diego (accepted as an expert on SEM/EDXA - gunshot residue)
13. July 1999: People v. Contreras. Superior Court, San Diego (accepted as an expert on SEM/EDXA, crime scene reconstruction & gunshot residue).
14. Oct. 2000: Emrick v. Asbestos Defendants. Superior Court, Portland, OR. (asbestos injury)
15. Feb. 2003: People v. Pasillas. Superior Court, San Diego (accepted as an expert on SEM/EDXA - gunshot residue)
16. Feb. 2004: People v. Lepore. Superior Court, Pasadena, CA (accepted as expert on SEM/EDXA & crime scene reconstruction).
17. Feb. 2004: People v. Rountree. Superior Court, San Diego, CA (accepted as expert on SEM/EDXA - gunshot residue)
18. May 2004: People v. Crowder. Superior Court, San Diego, CA (accepted as expert on SEM/EDXA - gunshot residue)
19. Sept. 2004: People v. Plasencia. Superior Court, Riverside, CA (accepted as expert on SEM/EDXA - gunshot residue)
20. Nov. 2005: People v. Owens. Superior Court, Kotzebue, AK (accepted as expert on SEM/EDXA - paint analysis)
21. March, 2006: People v. Andrews. Superior Court, San Diego, CA. (tentatively accepted as expert on SEM/EDXA - gunshot residue.
22. April 2006: People v. New. Superior Court, El Cajon, CA. (accepted as expert on SEM/EDXA - gunshot residue).
23. May, 2006: People v. Lawrie. Superior Court, Vista, CA (accepted as expert on SEM/EDXA - gunshot residue).
24. Aug. 2006: People v. Maldonado, Superior Court, Compton, CA (accepted as expert on SEM/EDXA - gunshot residue).
25. March 2007: Webb, C. (Martin, S) v. ACandS et al. Superior Court, Baltimore, MD. (asbestos injury).
26. May 2008: People v. Alvarez. Superior Court. Los Angeles, CA (accepted as expert on SEM/EDXA - automotive tire transfer)
27. May 2008: People v. McIntyre. Juvenile Court, Tucson, AZ (accepted as expert on SEM/EDXA - gunshot residue).
28. April 2009. People v. Lopez. Superior Court, Los Angeles, CA (accepted as expert: crime scene reconstruction and gunshot residue).
29. July 2009. People v. Baldwin. Superior Court, Los Angeles, CA (accepted as expert: gunshot residue).
30. August 2011. People v. Flechtner. Superior Court, Victorville, CA (accepted as expert: gunshot residue and crime scene reconstruction)
31. September 2011. People v. Birdsong. Superior Court, Airport Court, Los Angeles County, CA (accepted as expert: gunshot residue).
32. October 2011. People v. Ochoa. Superior Court, Van Nuys, Los Angeles County, CA (accepted as expert: gunshot residue).
33. April 2013. People v. Mintz. Superior Court, Los Angeles, CA. (accepted as expert: gunshot residue).
34. April 2013. People v. Salas. Superior Court, San Fernando, CA (accepted as expert: gunshot residue).
35. August 2013. People v. Hill. Superior Court, Van Nuys, CA (accepted as expert: physical evidence evaluation of attempted burglary).
36. March 2015. People v. Lovato, Superior Court, Compton, CA (accepted as expert: gunshot residue)

## DEPOSITIONS & ARBITRATIONS

1. Weeks v. Fibreboard et al.; Duda vs. Fibreboard et al., February 10, 1987 (asbestos injury)
2. Lostal v. Johns-Mansville Corp., et al., March 26, 1987 (asbestos injury)
3. Zaragoza v. Solis, et al., July 16, 1987, November 2, 1987 & October 14, 1988 (gunshot forensics)
4. Johnson v. Pfizer Corp., et al., March 15, 1991 (asbestos injury)
5. Jacobs v. Whittaker Corp. et al. November 9, 1991 (industrial exposure)
6. Hollywood v. Becker, March, 1992 (asbestos injury)
7. Jablon v. A.U.M., July, 1993 (paint analysis)
8. Prafke v. Alvarado Hospital, October, 1993 (surgical error)
9. Barry v. Owens-Illinois, Inc., February, 1994 (asbestos injury)
10. Wild v. AC and S, Inc., et al. 1995 (asbestos injury)
11. Blanco v. McMillin Realty et al. December, 1995 (paint analysis)
12. Sparco Trial Group - limited to Mitchell, October, 1997 (asbestos injury)
13. Hilgen v. Burlington Northern, Inc. March, 1998 (asbestos injury)
14. Edwards: PA2 Trial Group, Wilmington, DE. August, 1999 (asbestos injury)
15. Mabile v. The Executive Officers et al. April, 2000 (industrial exposure)
16. Hernandez v. Acheson Industries et al. November, 2003 (industrial exposure)
17. Pannell v. Nalco et al. February, 2004 (industrial exposure)
18. Nuriddin v. Asbestos Defendants (BHC). November, 2004 (asbestos injury)
19. Lopez v. U.S. Filter. December, 2004 (industrial exposure)
20. Coulter v. AC and S et al. January, 2005 (asbestos injury)
21. Nuriddin v. Asbestos Defendants (BHC). February, 2005 (asbestos injury)
22. Coffey v. American Standard, et al. March, 2005 (asbestos injury).
23. Rosen v. Sybron Dental Specialities et al., June, 2005 (asbestos injury).
24. Hicks v. Garlock Sealing Technologies et al., September, 2005. (asbestos injury).
25. St.Louis et al. v. City of El Cajon, et al., November, 2005 (gunshot residue, crime scene reconstruction).
26. Delaney v. Lennar Homes. March, 2006 (asbestos injury).
27. Haanstra v. Asbestos Corporation, et al. May, 2006 (asbestos injury).
28. Lilly v. John Crane et al. September, 2007. (asbestos injury).
29. Webb, C. (Martin, S) v. ACandS et al., February, 2008. (asbestos injury).
30. Watson v. B.F.Goodrich Company, et al., June , 2008 (asbestos injury).
31. Dietz (Smith, A.) v. ACand S et al., February, 2009 (asbestos injury).
32. Colaizzi v. Plus Orthopedics, et al., July, 2009 (medical device injury).
33. McCurdy v. John Crane et al., May, 2012 (asbestos injury).
34. Ureta v. Los Angeles PD (November, 2016) (crime scene reconstruction)

## CASE LOAD

Approximately 30 cases per year (total career cases approximately 3000).

## PUBLICATIONS

1966. Burnett, B.R. The fifty dollar inverted green: a new variety. *Paper Money*. **5**:45.

1972. Burnett, B.R. Aspects of the circulatory system of *Pollicipes polymerus* J.B.Sowerby (Cirripedia: Thoracica). *Journal of Morphology*. **136**:79-107.

1972. Burnett, B.R. Notes on the lateral arteries of two stomatopods. *Crustaceana* **23**:303-305.

1973. Burnett, B.R. and R.R. Hessler. Thoracic epipodites in the Stomatopoda (Crustacea): a phylogenetic consideration. *Journal of Zoology*. **169**:381-392.

1973. Burnett, B.R. Observations of the microfauna of the deep-sea benthos using light and scanning electron microscopy. *Deep-Sea Research*. **20**:413-418.
1975. Burnett, B.R. Blood circulation in four species of barnacles (*Lepas*, *Conchoderma*: Lepadidae). *Transactions San Diego Society of Natural History*. **17**:293-304.
1975. Burnett, B.R. A new method for serially mounting resin sections (Spurr) for light microscopy. *Stain Technology* **50**:288-290.
1977. Burnett, B.R. Blood circulation in the balanomorph barnacle, *Megabalanus californicus* (Pilsbry). *Journal of Morphology*. **153**:299-306.
1977. Burnett, B.R. Quantitative sampling of microbiota of the deep-sea benthos - I. Sampling techniques and some data from the abyssal central North Pacific. *Deep-Sea Research* **24**:781-789.
1977. Burnett, B.R. Microbiota. In: Annual Report of Sandia Laboratories Seabed Disposal Program: Benthic biological studies. D. Talbert (ed.) pp. 38-45.
1978. Hessler, R.R., C.L.Ingram, Yayanos,A.A. and Burnett, B.R.. Scavenging amphipods from the floor of the Philippine Trench. *Deep-Sea Research* **25**:1029-1047.
1978. Burnett, B.R. Microbiota and meiofauna. In: Annual Report of the Sandia Laboratories Seabed Disposal Program: Benthic biological studies. D. Talbert (ed.) pp. 29-47.
1979. Burnett, B.R. Quantitative sampling of microbiota of the deep-sea benthos- II. Evaluation of technique and introduction to the biota of the San Diego Trough. *Transactions of the American Microscopical Society*. **98**:233-242.
1981. Burnett, B.R. and K. Neelson. Organic films and microorganisms associated with manganese nodules. *Deep-Sea Research* **28**:637-645
1981. Burnett, B.R. Compound eyes in the cephalocarid crustacean *Hutchinsoniella macracantha*. *Journal of Crustacean Biology*. **1**:11-15.
1981. Burnett, B.R. Quantitative sampling of nanobiota (microbiota) of the deep-sea benthos- III. The bathyal San Diego Trough. *Deep-Sea Research*. **28**:649-663.
1982. Abraham, J.L., B.R.Burnett and R.Rodriguez-Roisin. Correlated environmental, radiological, physiologic, pathologic and mineralogical analysis in asbestos workers. *American Review of Respiratory Diseases*. **125**:154.
1983. Burnett, B.R. and K.H.Neelson. Energy dispersive X-ray analysis of the surface of a deep-sea ferromanganese nodule. *Marine Geology* **53**:313-329.
1983. Abraham, J.L. and B.R.Burnett. Quantitative analysis of inorganic particle burden *in situ* in tissue sections. *Scanning Electron Microscopy/1983/II* pp. 681-696.
1984. Burnett, B.R. Striated muscle in the wall of the dorsal abdominal aorta of the California spiny lobster, *Panulirus interruptus*. *Journal of Crustacean Biology*. **4**:560-566.
1984. Snider, L., B.R. Burnett and R.R. Hessler. The composition and distribution of meiofauna and nanobiota in a central North Pacific deep-sea area. *Deep-Sea Research*. **31**: 1225-1249.
1984. Abraham, J.L., C.M. Smith and B.R. Burnett. Changes in lung chrysotile asbestos burden during and following six weeks exposure in rats. Abstract. *Laboratory Investigation* **50**: 1A.

1986. Abraham, J.L. and B.R. Burnett. Inorganic particulates in human lungs-quantitative *in situ* analysis in 156 cases. *Lab Invest* **54**:2A.

1987. Burnett, B.R. The cirripede circulatory system and its evolution. pp. 175-190 In: *Crustacean Issues 5 - Barnacle Biology*. A.J. Southward (ed.), F.R. Schram (gen.ed). A.A. Balkema, Rotterdam.

1988. Burnett, B.R. Modification of gunshot residue as a result of exposure to blood, bone fragments and water. *Abstract D20*, p 77. American Academy of Forensic Sciences, Philadelphia, PA.

1988. Burnett, B.R. and H. Thiel. The nanofauna (Chp.15). In: *Introduction to the Study of Meiofauna*. R.P.Higgins & H. Thiel (eds.) Smithsonian Institution Press. Blue Ridge Summit, PA. 488pp.

1989 Abraham, J.L. and B.R. Burnett. Quantitative *in situ* analysis of inorganic particle burden in tissue sections - an update. In: *Microprobe Analysis in Medicine*. Ingram, Shelburne and Roggli (eds). Hemisphere Publishing Corporation, New York. 352pp.

1989. Burnett, B.R. The form of gunshot residue is modified by target impact. *Journal of Forensic Sciences*. **34**: 808-822. (also Abstract B51 p.58. American Academy of Forensic Sciences, Las Vegas, NV)

1989. Burnett, B.R. Evidence for elemental fractionation in the formation of gunshot residue. Abstract B49, p 58. American Academy of Forensic Sciences, Las Vegas, NV.

1990. Abraham, J.L., A. Hunt, B.R. Burnett, M. Allison and E. Gerszten. Light microscopic and microanalytic study of lungs from pre-Columbian Chilean mummies. *Paleopathology Newsletter* 41.

1990. Abraham, J.L., B.R. Burnett, and A. Hunt. Asbestosis and mesothelioma: Non commercial amphibole asbestos fibers in New York State talc miners. Abstract: presented at American Thoracic Society, Toronto, Canada, September, 1990

1991. Burnett, B.R. Detection of bone and bone-plus-bullet particles in backspatter from close-range shots to heads. *Journal of Forensic Sciences*. **36** (6): 1745-1752. (Also Abstract B30, p 68. American Academy of Forensic Sciences, Cincinnati, OH., 1990)

1991. Abraham, J.L., B.R. Burnett, and A. Hunt. Development and use of a pneumoconiosis database of human pulmonary inorganic particulate burden in over 400 lungs. *Scanning Microscopy*. **5** (1): 95-108.

1992. Abraham, J.L., B.R. Burnett, and A. Hunt. Talcosis and asbestosis in New York talc miners: dose-response analysis of occupational exposure, lung pathology and lung particulate burden.: Abstract, American Thoracic Society Meeting, 1992.

1993. Burnett, B.R. Detection of gunshot residue on fabric that has been previously been soaked in blood. Abstract, California Association of Criminalists, Semiannual Meeting, October, 1993.

1994. Abraham, J.L., L.E. Stettler, B.R. Burnett, A. Hunt and F. Platck. Interlaboratory comparison of non-fibrous particle lung burden, Quantitative techniques. *Ann.occup.Hyg.* **38**:541-550.

1994. Abraham, J.L., A. Hunt and B.R. Burnett. Steel (Fe-Cr) particles as a marker of welding fume exposure, frequency of occurrence and prevalence in a series of over 400 human lungs. *Ann.occup.Hyg.* **38**:551-557.

1994. Abraham, J.L., and B.R. Burnett. Mineralogic analysis in lung tissue using scanning electron microscopy-energy dispersive X-ray analysis. In: *Structural methods in experimental lung research*. J.Gill and J. Kleinerman (eds.)

1995. Burnett, B.R. Scanning electron microscopy/energy dispersive X-ray analysis of gunshot residue associated with clothing. *Proceedings of the American Academy of Forensic Sciences*. **1**:85.

1995. Burnett, B.R. 1995. Observation of .22 caliber gunshot residue on fabric targets by scanning electron microscopy. Abstract, California Association of Criminalists, Semiannual Meeting, October, 1995.
1995. Abraham, J.L., L. Newman. and B.R. Burnett Beryllium disease: Pathologic and quantitative electron probe and secondary ion mass spectroscopic (SIMS) analysis of lung biopsies. Abstract. Am. J.Resp.Crit.Case Med.
1995. Burnett, B.R. Observation of .22 caliber gunshot residue on fabric targets by scanning electron microscopy. Abstract, California Association of Criminalists, Semiannual meeting, October, 1995.
1996. Schoning, P., J.L. Abraham and B.R.Burnett Silicate and metal dust in lungs of Greyhounds. American Journal of Veterinary Research. **57**(7): 1006-1009.
1997. Burnett, B.R. Shooting from the hip: Gunshot residue evidence collection, analysis and interpretation. Proceedings, Scanning '97, Scanning **19**(3): 183.
1997. Burnett, B.R. and J.M. Orantes. An unusual bloodstain case. Journal of Forensic Sciences. **42**: 519-523.
1997. Hunt, A., B.R.Burnett, T.M. Basford and J.L. Abraham. Lead and other metals in play-kit craft items composed of vinyl and leather. American Journal of Public Health. **87**(10):1724-1727.
1997. Abraham, J.L., A. Hunt and B.R. Burnett. Lung pathology and mineralogy associated with high pulmonary burden of metal particles: Fe, Ti, Al and Cr in a pneumoconiosis data base. 1997. Annals of Occupational Hygiene.
1998. Burnett, B.R. The forensic analysis of interior semi-gloss house paint. Proceedings American Academy of Forensic Sciences, **4**:58.
1998. Burnett, B.R. The form and composition of .22 caliber gunshot residue from muzzle and breech deposits. Proceedings American Academy of Forensic Sciences, **4**:26.
2000. Burnett, B.R. and P. Golubovs. The first mail bomb? Journal of Forensic Sciences. **45** (4): 935-936.
2001. Burnett, B.R. A shot through the window. Journal of Forensic Sciences, **46** (2): 379-385.
2001. Burnett, B.R. Copper contamination of gunshot residue and other particle spectra. Microscopy Today, **01**(3):24-25
2002. Wright, R.S., J.L. Abraham, P. Harber and B.R. Burnett Fatal asbestosis 50 years after brief high intensity exposure in a vermiculite expansion plant. Amer. J. Respiratory and Critical Care Medicine **165**(8):1145-1149.
2002. Abraham,J.L., B.R. Burnett and A. Hunt. Quantification of non-fibrous and fibrous particulates in human lungs: Twenty year update on pneumoconiosis database. Ann.occup.Hyg. **46**(Suppl. 1 ): 397-440.
2003. Burnett, B.R. Observations on the composition of breech gunshot residue from a .22 pistol. International Association for MicroAnalysis **4**(1):12-15. (Posted on [meixatech.com/articles/](http://meixatech.com/articles/))
2003. Burnett, B.R. and S. Blaauw. Macroimaging with digital cameras. Microscopy Today. July/August **11**(4):32-35 (Posted on [meixatech.com/articles/](http://meixatech.com/articles/))
2003. Burnett, B.R. Nose or base strike: Analysis of bullet orientation in a ricochet. International Association for MicroAnalysis **4**(2):14-15. (Posted on [meixatech.com/articles/](http://meixatech.com/articles/))



2003. Burnett, B.R. Macro imaging with a digital camera: Examination of a .22 revolver. *International Association for MicroAnalysis* 4(2):8-10. (Posted on [meixatech.com/articles/](http://meixatech.com/articles/))
2003. Burnett, B.R. Antimony coats .22 caliber bullets. *International Association for MicroAnalysis* 4(3):4-5. (Posted on [meixatech.com/articles/](http://meixatech.com/articles/))
2003. Burnett, B.R. .22 rimfire ammunitions. *International Association for MicroAnalysis* 4(3):14. (Posted on [meixatech.com/articles/](http://meixatech.com/articles/))
2005. Burnett, B.R. People v. Aceves - A case of .22 rimfire gunshot residue matching (Summary). *Proceedings of Scanning* 2005. 27(2):91.
2005. Abraham, J.L., B.R. Burnett and A. Hunt. The influence of analytical methodology on apparent frequency and dimensions of asbestos fibers in lungs. *Amer.J.Resp.CriticalCare Med.* 149:A404,1994.
2007. Burnett, B. R. The Colonel Sabow homicide: The gunshot residue evidence. Paper presented at Scanning, Monterey, CA, April 12, 2007.
2007. Tolocia, I., C. Thakral, B.R. Burnett and J.L. Abraham. Asbestos and asbestos fibers documented in pleural and lymph biopsies and autopsy lung associated with mesothelioma and lung cancer in two co-workers with sole exposure to asbestiform talc. Poster for European Respiratory Society meeting.
2008. Naqui, A.H., A. Hunt, B.R. Burnett and J.L. Abraham. Pathologic spectrum and lung dust burden in giant cell interstitial pneumonia (hard metal disease/cobalt pneumonia): Review of 100 cases. *Archives of environmental & Occupational Health* 63(2).
2009. Burnett, B.R. Gunshot residue inserted under hair scales as a result of a muzzle blast. *Proceedings of SPIE - Scanning Microscopy* 2009: 7378-94.
2010. Burnett, B.R. The ill-fated beer run: The shooting of Christopher St. Louis. *Investigative Sciences Journal* 2(1):1-31.
2010. Abraham, J.L., J.A. Crawford, B.R. Burnett and S.D. Fitzgerald. Non-fibrous particles and fibers in the lungs of rescue dogs deployed on 9/11 at the Pentagon and World Trade Center. Abstract, American Thoracic Society
2010. Burnett, B.R. and J.D. Sabow. People v. Jackson Daniels: The shooting of Riverside police officers Dennis Doty and Philip Trust. *Investigative Sciences Journal.* 2(2)
2014. Burnett, B.R. Analysis of manipulated photographs submitted to Federal Court and the United States Congress. *Proceedings. B25 American Academy of Forensic Sciences Annual Meeting, Seattle, Washington.*
2014. Burnett, B.R. Discharge of a pistol out a car window with the breech within the interior of the car: Analysis of gunshot residue on a car's interior surfaces. *Proceedings American Academy of Forensic Sciences Annual Meeting, Seattle, Washington.* A173. In Press: *Journal of Forensic Sciences.*
2014. Burnett, B.R. A tale of three trials: From science to junk science. *Proc. SPIE* 9236. *Scanning Microscopies* 2014, 92369 (September 16, 2014); doi 10.1117/12.2065556.
2014. Burnett, B.R. An electro-conductive organic coating for scanning electron microscopy (déjà vu). *Proc. SPIE* 9236. *Scanning Microscopies* 2014, 92360L (September 16, 2014); doi 10.1117/12.2065553.
2015. Burnett, B.R. The gunshot residue evidence of People vs. Robert Blake, the actor. *Proceedings. American Academy of Forensic Sciences Annual Meeting, Orlando, Florida.* LW2

2016. Burnett, B.R. Bloodstain evidence of trophy taking in a homicide. Proceedings American Academy of Forensic Sciences Annual Meeting, Las Vegas. E22.

2016. Burnett, B.R. Small town forensics in the Land of Oz. Proceedings American Academy of Forensic Sciences Annual Meeting, Las Vegas. LW5.

2016. Burnett, B.R. The effect of skin debris on gunshot residue sampling and detection. Doi: 10.1111/1556-4029.13149. Journal of Forensic Sciences. 61(6):1632-1638.

2016. Burnett, B.R. Analysis of modified photographs submitted to Federal Court and the United States Congress. Journal of Forensic Research 7(5): DOI: 10.4172/2157-7145.1000343.

2017. Burnett, B.R. The homicide of United States Marine Colonel, James E. Sabow: A forensic analysis submitted to the United States Congress. Journal of Forensic Research 2017, 8:362  
DOI:10.4172/2157.1000362.

2017. Burnett, B.R. and R. MacLachlan. Pathological and physiological principles of instantaneous vs. sudden death. Forensic Studies. 2017:1-9. DOI

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### **In Preparation (near complete for journal submission in 2017):**

Bloodstain evidence of trophy taking in a homicide.

Analysis of non-fibrous particles in situ in lungs: examples of lessons learned over 40 years.

### **In Preparation:**

Gunshot residue on the surface of bullets using target bullet wipes: A method using scanning electron microscopy to estimate muzzle – target distance

Pyrotechnic produced particles versus gunshot residue: A case study.

The defense expert in a homicide case and the nondisclosure agreement: what are his ethical responsibilities when the defense attorney's behavior does not appear to be in the interest of his client?

Rural justice in a murder case: missing evidence, incompetent crime scene analysis, and defense attorney bias.

The reconstruction of a triple homicide in rural San Bernardino County, California: Hatfield vs. McCoy déjà vu