Informative web Resources on the subject of Forensic Science.

Abstract

The term webliography is commonly used when discussing online resources. The purpose of this paper is to provide key electronic resources in the area of Forensic sciences. This paper followed a mixed research approach and collected primary data by literature, the internet. This paper also discusses some of the best resources on the web for forensic science research and information. Which relate to locate, evaluate, organize, and use effectively. It is Essential for information literacy and technology integration in the specific area of the subject.

Keyword: Webliography, E-Resources, Forensic science-, Forensic Anthropology, Forensic Botany

Introduction

"Forensic" comes to us from the Latin forensus, meaning "of the forum." In Ancient Rome, the forum was where governmental debates were held, but it was also where trials were held. It was the courthouse. Forensic science is the use of science to solve criminal cases. It is also called criminalistics or crime scene investigation. Forensic science is actually an umbrella term that indicates the use of applied science in matters of criminal, and sometimes, civil law. It can include the use of many disciplines, such as anthropology, biology, botany, chemistry, computer science, engineering, entomology, genetics, medicine, and toxicology. This guide highlights the diversity of the scientific professions and disciplines used in investigations and provide sources on the general practice of criminalistics. Also included is information on ballistics, firearm examination, and scientific examination of documents. So forensic science has come to mean the application of the natural and physical sciences to the resolution of conflicts within a legal setting. The forensic sciences refer to a group of subspecialties in science and medicine that apply their principles and methods to legal questions of a criminal or civil nature". Forensic science includes, but is not limited to, pathologists, psychiatrists, odontologists, toxicologists, molecular biologists, entomologists, and criminalists. Practitioners are finding themselves increasingly in demand in the courtroom as expert witnesses. With the advent of shows such as forensic science sites on the Web have multiplied exponentially. Sites are produced by government and professional organizations and forensic specialists, as well as by forensic scientist aspirants.

Scope & Methodology

This webliography is written for librarians who serve a scientific or technical clientele, and any person interested in learning more about forensic science information services. The scope of this webliography is to point people to some of the best resources on the web for forensic science research and information. This is by no means comprehensive, and is focused on web sites based in the United States. Some of the annotations for the resources were drawn from the organization providing the resource. Since many of the metasites do not provide much of an annotation nor a description of a resource, a webliography such as this will provide more information about the content of a web site. Much of the information for this webliography was found by browsing many of the existing web sites, links and pointers that others have provided. Some of the links and resources were found
using articles listed in the References section. I also used the search engine Google -http://www.google.com/-- to verify changed URLs for some of the resources.

**General Information sources**

- Zeno's Forensic Site [http://forensic.to/forensic.html]
- Reddy's Forensic Page [http://www.forensicpage.com/]
- Kruglick's Forensic Resource and Criminal Law Search Site {http://www.kruglaw.com/}
- Kulesh's Forensic Page {http://vip.poly.edu/kulesh/forensics/list.htm}
- Yahoo Directory of Forensic Science Resources {http://dir.yahoo.com/Science/Forensics/}

**Associations and Organizations, Federal Agencies:**

- [Bureau of Alcohol, Tobacco, Firearms and Explosives](http://www.atf.gov) (ATF)
- [Drug Enforcement Administration Forensic Sciences Program](http://www.dea.gov) (DEA)
- [Department of Defense Combating Terrorism Technical Support Office, Investigative and Forensic Science Capability](http://www.jointbase.com)
- [Federal Bureau of Investigation Laboratory](http://www.fbi.gov) (FBI)
- [Fish and Wildlife Service Forensics Laboratory](http://www.fws.gov) (FWS)
- [Immigration and Customs Enforcement Homeland Security Investigations Forensic Laboratory](http://www.ice.gov)
- [National Institute of Justice Forensic Sciences website](http://www.nij.gov)
- [Office of Justice Programs Bureau of Justice Statistics: Forensic Investigation](http://www.ojp.usdoj.gov)
- [Office of Justice Programs Technology and Forensics website](http://www.ojp.usdoj.gov)
- [National Oceanic and Atmospheric Administration Marine Forensics Program](http://www.nos.noaa.gov)
- [National Science Foundation](http://www.nsf.gov) (link searches for current forensics grants)
- [NSF Research Spending and Results search](http://www.nsf.gov) (search on "forensics" to find research spending and results)
- [United States Secret Service Forensic Services](http://www.fbi.gov)
- [US Army Criminal Investigation Laboratory](http://www.coms.us.army.mil)
- [American Academy of Forensic Sciences](http://www.aafs.org)
- [American Society of Crime Laboratory Directors](http://www.ascld.org)
- [California Association of Criminalists](http://www.cac.org)
- [Canadian Society of Forensic Science](http://www.csfs.org)
- [Carpenter's Forensic Science Resources](http://www.carpentersforensics.com)

**Forensic Science Resources on the Internet**

Extant: Extension Toxicology Network is a collaborative project of Oregon State University, Michigan State University, the University of California, Davis and Cornell University. This site provides information on pesticide toxicology and environmental chemistry. Links to other toxicology sites and full-text fact sheets are also included.

Forensic magazine. Topical articles & videos, amidst advertisements for forensic-related products.
**Forensic Science Education**. Forensiced.org offers free online training for forensic and medical professionals, law enforcement and ancillary professionals. Course topics range from toxicology to crime scene investigation. From the Research Triangle Institute, funded in part by the Department of Justice.

**Forensic Science Society Web Page (UK)**. British forensic science professional organization site includes information about the society's journal *Science and Justice* (subscriptions, rates, and the table of contents of recent volumes), full text (in PDF format) of their newsletter, *Interfaces*, and a long list of links to other forensic science sites.

IAI – International Association for Identification [https://www.theiai.org/](https://www.theiai.org/)

**International Association of Forensic Toxicologists**.


Kristine Alpi's **INTERNET RESOURCES: Criminal investigation and forensic science: Sources for scholars and aficionados**


MAFS – Mid-Western Association of Forensic Scientists [http://www.mafs.net/](http://www.mafs.net/)

**National Fish and Wildlife Forensic Laboratory**: The only crime lab in the world dedicated entirely to wildlife, it serves both the national and international communities. Included on the site are *Identification Notes* for distinguishing different animals and part of animals.

NIJ – National Institute of Justice [http://www.nij.gov/Pages/welcome.aspx](http://www.nij.gov/Pages/welcome.aspx)


**New York City Office of the Chief Medical Examiner**. Including a link to the forensic science training program.

**New York City Poison Control Center**.


**Questioned Document Examination Page of Emily Will**: This fascinating site details the basic theories, applications, and famous cases in questioned document examination along with links to related sites on microscopy, handwriting, forensic science and law. Emily Will is a certified document examiner.


SWAFS – South-Western Association of Forensic Scientists [http://www.swafs.us/](http://www.swafs.us/)

**Visible Proofs: Forensic Views of the Body**. A companion website to an exhibit at the National Library of Medicine about the history of Forensic Medicine.

**WebPath: The Internet Pathology Laboratory for Medical Education**. Over 1900 images along with text, tutorials, laboratory exercises, and examination items for self-assessment that demonstrate gross and microscopic
pathologic findings associated with human disease conditions." Mini-tutorials on [Firearms](#) and [Drug Abuse Pathology](#) are noteworthy for forensic science students.

**WHO: International Programme on Chemical Safety.** Through the International Programme on Chemical Safety (IPCS), WHO works to establish the scientific basis for the sound management of chemicals, and to strengthen national capabilities and capacities for chemical safety.

**WWW Virtual Library: Forensic Toxicology** A portal site for forensic toxicology including a link to the searchable index of the Journal of Analytical Toxicology (1996 to present).

For specialty specific organizations, refer to each specialty's section in this webliography from site [http://www.istl.org/03-spring/internet.html](http://www.istl.org/03-spring/internet.html)

### Forensic Anthropology

International Association for Craniofacial Identification (IACI) [http://www.forensicartist.com/IACI/index.html](http://www.forensicartist.com/IACI/index.html)
Osteointeractive [http://medstat.med.utah.edu/kw/osteo/index2.html](http://medstat.med.utah.edu/kw/osteo/index2.html)

### Forensic Botany

Forensic Botany [http://myweb.dal.ca/jvandomm/forensicbotany/](http://myweb.dal.ca/jvandomm/forensicbotany/)

### Forensic Chemistry and Toxicology

The International Association of Forensic Toxicologists (TIAFT) [http://www.tiaft.org/](http://www.tiaft.org/)
The Society of Forensic Toxicologists (SOFT) [http://www.soft-tox.org/](http://www.soft-tox.org/)
Guidelines for the Interpretation of Analytical Toxicology Results and Unit of Measurement Conversion Factors [http://www.leeds.ac.uk/acb/annals/Webwise/Webwise97-1.html](http://www.leeds.ac.uk/acb/annals/Webwise/Webwise97-1.html)
Footwear & Tire Track Impression Evidence [http://members.aol.com/varfee/mastssite/index.html](http://members.aol.com/varfee/mastssite/index.html)

### Criminalistics and Trace Evidence


### Forensic DNA Analysis

Mitochondrial DNA Concordance
{http://shelob.bioanth.cam.ac.uk/mtDNA/toc.html}

Mitochondrial DNA Analysis in the FBI Laboratory {http://www.fbi.gov/about-us/lab/forensic-science-communications/fsc/july1999/dnalist.htm/}

STRBase http://www.cstl.nist.gov/biotech/strbase/
Forensic Mathematics http://dna-view.com/

Forensic Entomology

American Board of Forensic Entomology (ABFE) {http://www.forensicentomologist.org/}
Forensic Entomology Pages, International {http://folk.uio.no/mostarke/forens_ent/forensic_entomology.html}

Ethics in Forensic Science

Ethics in Science {http://www.tissuegroup.chem.vt.edu/chem-ed/ethics/}
American Academy of Psychiatry and the Law Ethical Guidelines for the Practice of Forensic Psychiatry {http://www.forensic-psych.com/articles/artEthics.php}
American Society of Crime Lab Directors Code of Ethics {http://www.ascld.org/ethics.html}

Explosives

International Association of Bomb Technicians and Investigators (IABTI) http://www.iabti.org/

Firearms, Tool Marks & Ballistics

Association of Firearm and Tool Mark Examiners (AFTE) http://www.afte.org/
firearmsID.com http://www.firearmsid.com/
Firearms Tutorial {http://library.med.utah.edu/WebPath/TUTORIAL/GUNS/GUNINTRO.html}
Forensic Odontology

American Board of Forensic Odontology (ABFO)  http://www.abfo.org/
Bureau of Legal Dentistry (BOLD)  http://www.boldlab.org/
Forensic Dentistry Online  http://www.forensicdentistryonline.org/
Issues in Human and Animal Bite Mark (Bitemark) Management  http://www.forensic.to/webhome/bitemarks/
Created by Mike Bowers, a forensic odontologist, this

Scientific Literature Resources

- Annotated Bibliographies of foundational forensic science research
- National Criminal Justice Reference Service Forensic Science website
- Drug Enforcement Administration National Forensic Laboratory Information System
- National Institutes of Health PubMed database  (link searches for forensic science journal articles)
- American Academy of Forensic Science Reference Library

Training Resources

- Extended Feature Set Training Tool for Fingerprint Examiners
- National Computer Forensics Institute
- National Institute of Justice Forensics Training website
- National White Collar Crime Center
- SEARCH, National Consortium for Justice Information and Statistics
- RTI Forensic Science Education  (funded by the National Institute of Justice)

Related E-Databases :

(See the complete list of e-databases from Stang Mongkolsuk Library website at  http://stang.sc.mahidol.ac.th/text/ebase.htm  )

(a).  Academic Search Premier (ASP)  http://www.ebscohost.com

The world’s largest academic multi-disciplinary database, Academic Search Premier provides full text for nearly 4,700 publications, including full text for more than 3,600 peer-reviewed journals. PDF backfiles to 1975 or further are available for well over one hundred journals, and searchable cited references are provided for more than 1,000 titles. This database is updated on a daily basis via EBSCOhost.

Online Subscription | by Mahidol University

(b).  Blackwell Synergy  http://www.blackwell-synergy.com

Blackwell Synergy is the online journals service from Blackwell Publishing. It holds the content for 805 Blackwell's journals, the majority of which are published on behalf of international scholarly and professional societies. Blackwell Synergy enables readers to search for relevant articles, read abstracts for free, print the full-text of subscribed to articles, download citations, and make connections to other relevant research through reference linking.
Web of Science® consists of five databases containing information gathered from thousands of scholarly journals in all areas of research:

- Science Citation Index Expanded™
- Social Sciences Citation Index®
- Arts & Humanities Citation Index®
- Index Chemicus®
- Current Chemical Reactions®

A citation index contains the references cited by the authors of the articles covered by the index. You can use these references to do cited reference searching. A cited reference search enables you to find articles that cite a previously published work. In addition to cited reference searching, you can search these databases by topic, author, source title, and address.

Science Citation Index Expanded is a multidisciplinary index to the journal literature of the sciences. It fully indexes 5,900 major journals across 150 scientific disciplines

(d). Proquest Dissertations & Theses (PQDT) http://wwwlib.umi.com/dissertations

The database represents the work of authors from over 1,000 North American graduate schools and European universities. It includes citations for materials ranging from the first U.S. dissertation, accepted in 1861, to those accepted as recently as last semester. PQDT provides web-based access to citations and abstracts, and free 24 page previews of dissertations and theses published after 1996.


PubMed, a service of the National Library of Medicine, includes over 15 million citations for biomedical articles back to the 1950's. These citations are from MEDLINE and additional life science journals. PubMed includes links to many sites providing full text articles and other related resources.

Free Database | Produced by NLM
Since its launch in 1997, ScienceDirect has evolved from a web database of Elsevier journals to one of the world's largest providers of scientific, technical and medical (STM) literature. Its collection includes more than 1,800 Elsevier journals, and over 6 million full-text articles spanning 24 subjects in life, physical, social and health sciences.

SciFinder Scholar is today's leader in providing the most accurate and comprehensive chemical and related scientific information. This desktop research tool provides easy access to the rich and diverse scientific information offered by the CAS databases such as

- Patent and journal references (CAPlus & MEDLINE)
- Substance information (CAS Registry)
- Chemical reactions (CHEMREACT)
- Chemical supplier information (CHEMCATS)
- regulated chemicals (CHEMLIST)

Download SciFinder Search software at http://stang.sc.mahidol.ac.th/text/ebase.htm

Scopus is a unique new navigational product for all science from Elsevier. Apart from being the world's biggest full-text linking, abstracting-and-indexing database covering 25 million abstracts from over 14,000 titles across 4,000 publishers, Scopus also offers powerful and innovative searching and browsing tools.

Elsevier's ScienceDirect product covers 1,800 full text journals from Elsevier only, while Scopus opens access to other STM publishers-and 14,000 titles.

SpringerLink is the premier electronic data source from Springer for researchers in biomedicine, life science, clinical medicine, physics, engineering, mathematics, computer science, humanities, and economics. Springer has combined two of the world's leading research powerhouses – SpringerLink and KluwerOnline – to bring you the new Springer Link. Home to thousands of journals and eBooks.

(See URLs of the whole list of e-journals subscribed by Mahidol University and some open access journals from the library website at http://stang.sc.mahidol.ac.th/text/ejournal.htm)
1. American Journal of Forensic Medicine & Pathology (OVID)
2. Annual Review of Pharmacology and Toxicology (AR)
3. Canadien Society of Forensic Science
4. Digital Investigation (ScienceDirect)
5. Environmental Forensics (ScienceDirect)
6. Forensic Science Communications (FBI Laboratory)
7. Forensic Science International (ScienceDirect)
8. Forensic Science Abstracts
12. Forensic Science International
13. Forensic Science Review
14. Journal of Clinical Forensic Medicine (ScienceDirect)
15. Journal of Forensic Psychiatry (ASP)
16. Journal of Forensic Psychiatry & Psychology (ASP)
17. Journal of Forensic Sciences (AAFS / ASTM)
18. Journal of Quantitative Criminology (Kluwer / SpringerLink)
19. Legal Medicine (ScienceDirect)
20. Pharmacology & Toxicology (Blackwell Synergy)

(L) References Resource:

Forensic science books are available at Stan Mongkolsuk Library (LISC), Siriraj Medical Library (LISI), Ramathibodi Medical Library (LIRA), and International College Library at Salaya (LIIC)

Search your required books from Mahidol Library Catalogs (WebOPAC) at: http://www.li.mahidol.ac.th/library/opaceng.htm

2. Encyclopedia of Forensic and Legal Medicine.
References

6. Forensic science Resources
   http://www.lib.sfu.ca/help/research-assistance/subject/criminology/forensics

******************************************************************************

Uttamkumar D Rana
Librarian
Gandhinagar

Copyright © 2012- 2016 KCG. All Rights Reserved. | Powered By: Knowledge Consortium of Gujarat