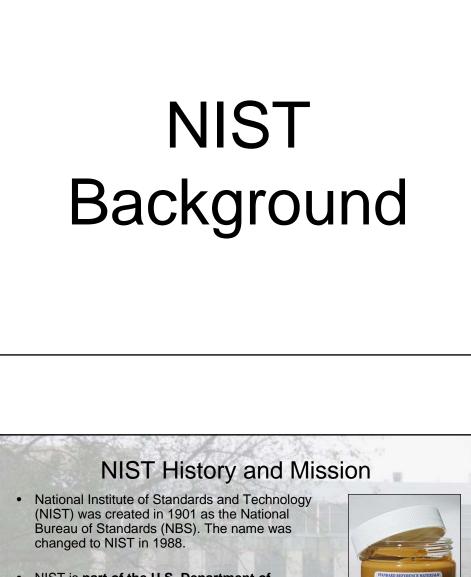






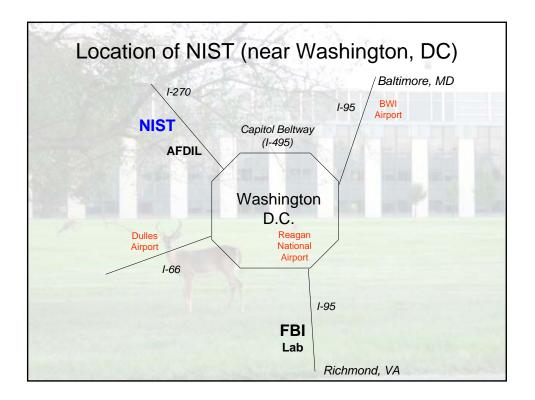
http://www.fbi.gov/hq/lab/codis/stats.htm#NewJersey		
New Jersey Statistics (Sept 2008)	Total	
Offender Profiles	168,646	
Forensic Samples	5,785	
Investigations Aided	2,094	
National DNA Index Syster	n:	



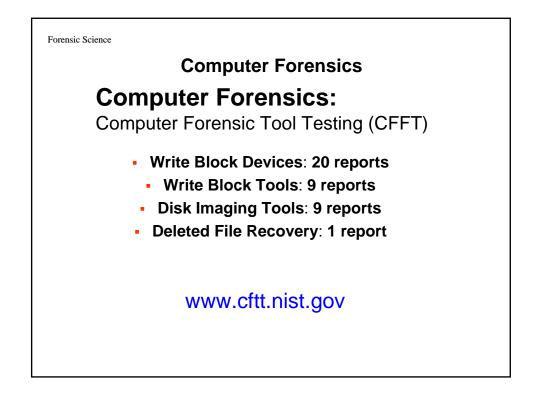
- NIST is part of the U.S. Department of Commerce with a mission to develop and promote measurement, standards, and technology to enhance productivity, facilitate trade, and improve the quality of life.
- NIST supplies over 1,300 Standard Reference Materials (SRMs) for industry, academia, and government use in calibration of measurements.
- NIST defines time for the U.S.



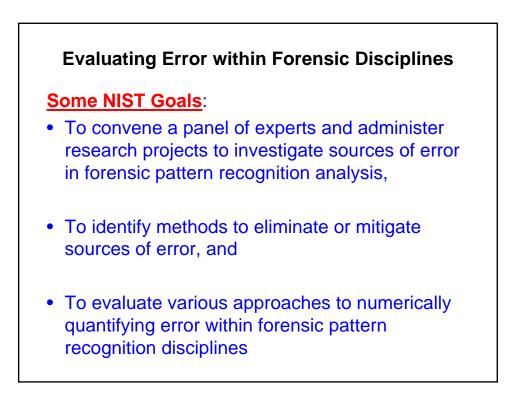


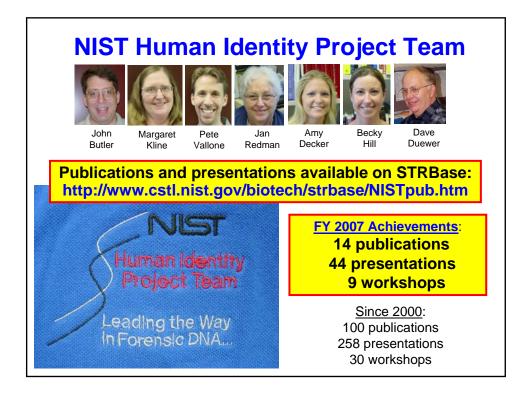


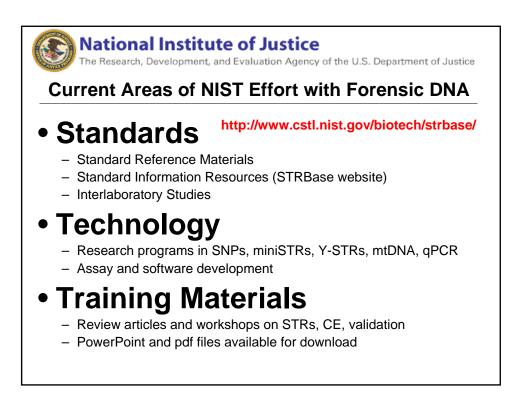




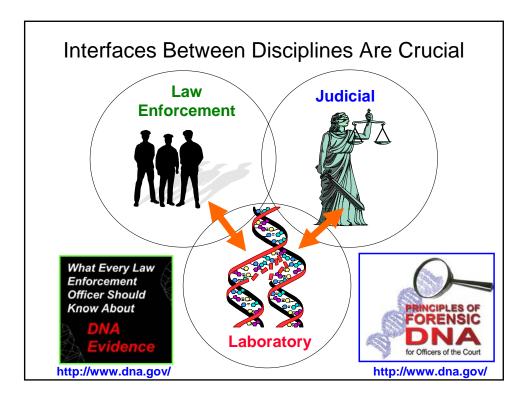


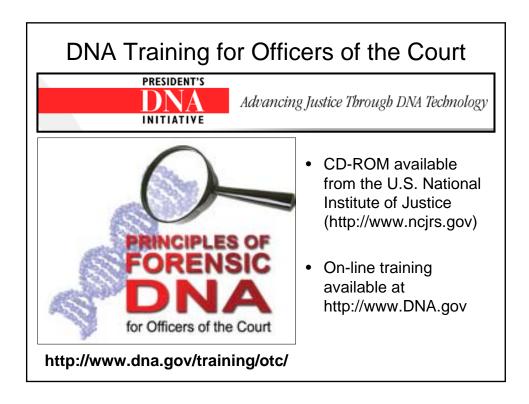


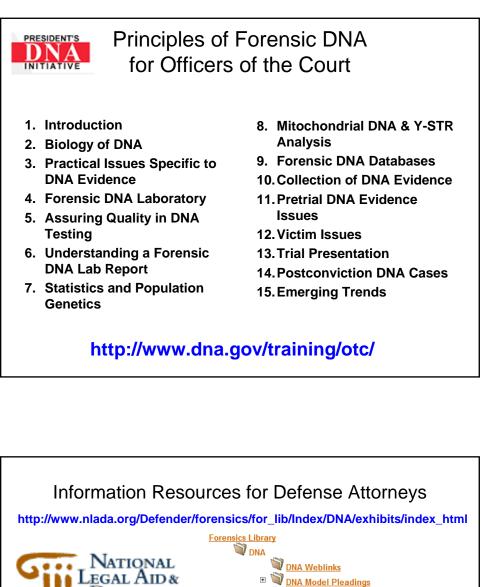


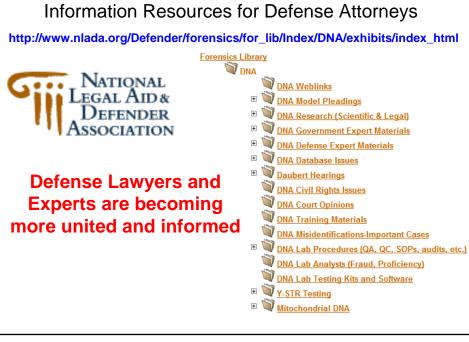


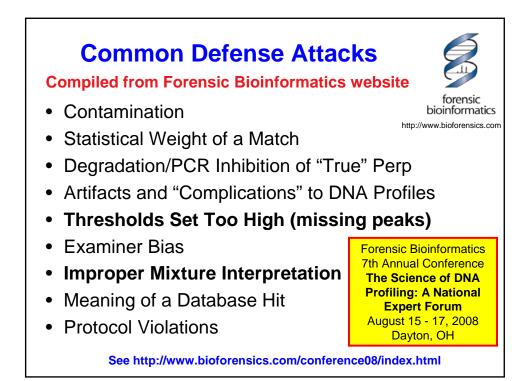
http://www.cstl.nist.gov/ Address 👔 http://www.cstl.nist.gov/biotech/strbase/	
Short Tandem Repeat DNA Internet DataBase MIST Standard Reference Database SRD 130 [Recent Updates] These data are intended to benefit rescarch and application of short tandem repeat DNA marker buman identity testing. The autions are solely responsible for the information herein. [Furpose of Database] This database has been accessed [25503] times since 10/02/97. (Counter courtesy www.digita.com - see disclaime.)	Includes information on: Core STR loci Validation STR reference list NIST publications miniSTRs Forensic SNPs Variant STR alleles Population data resources Addresses of scientists

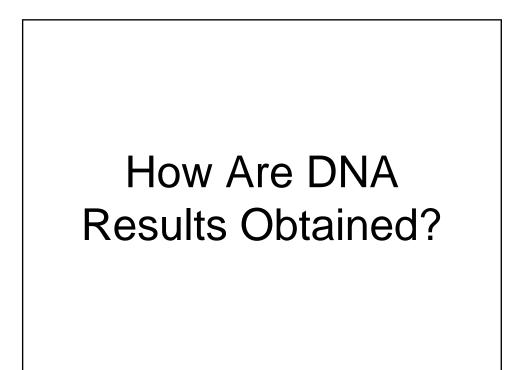


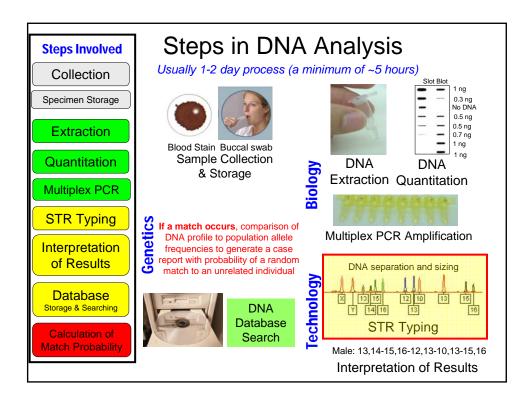


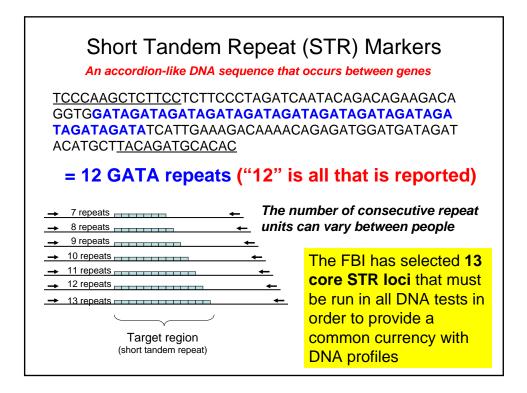


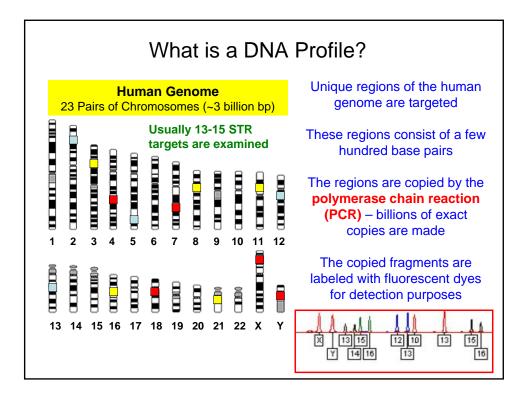


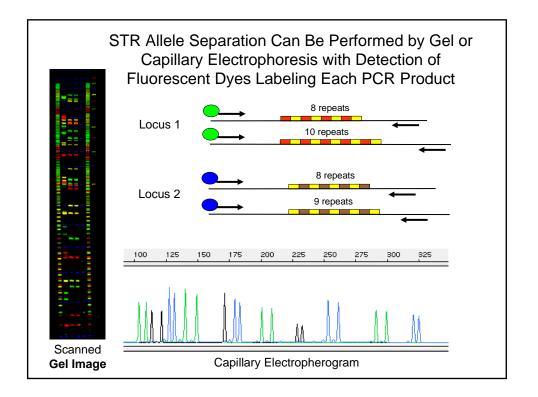


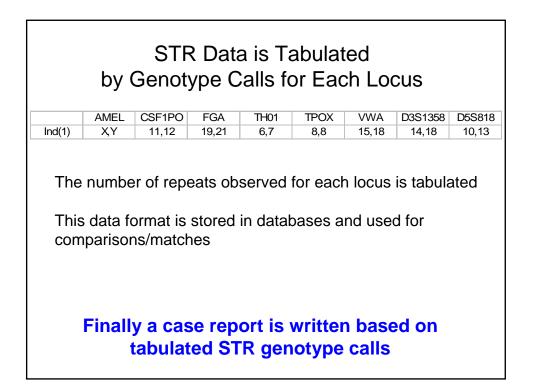


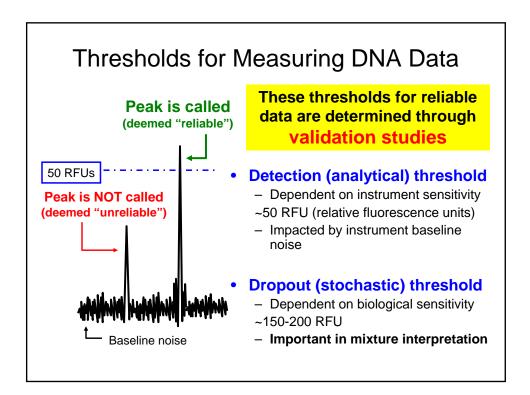


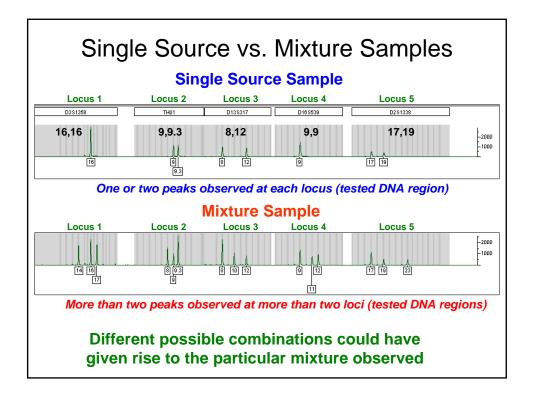


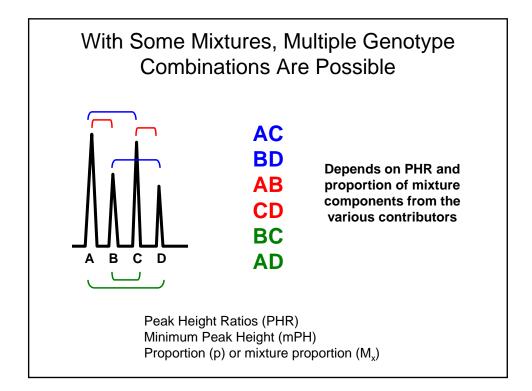


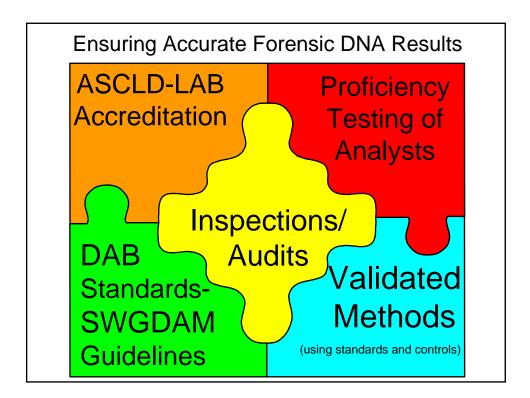


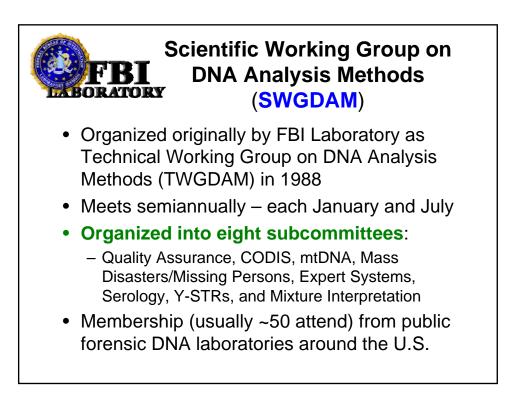


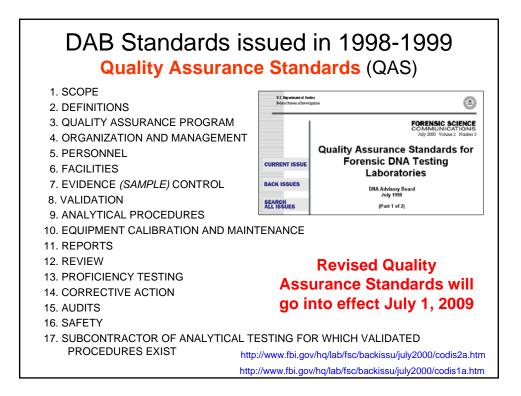




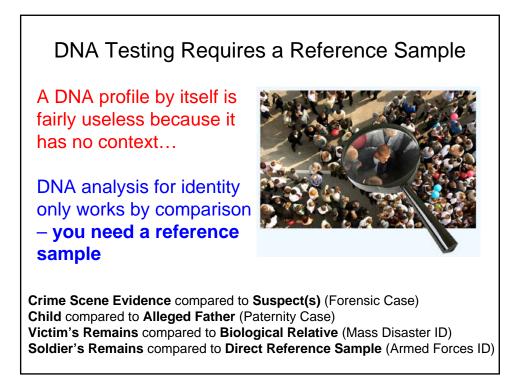


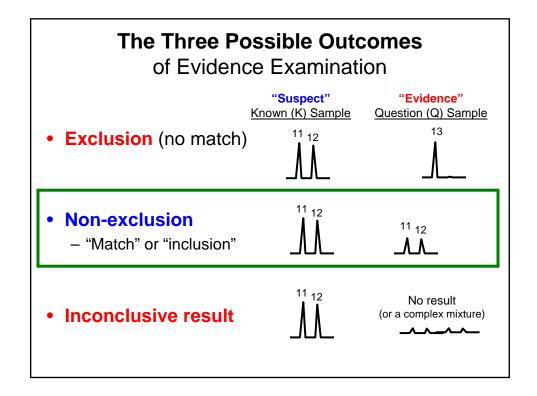






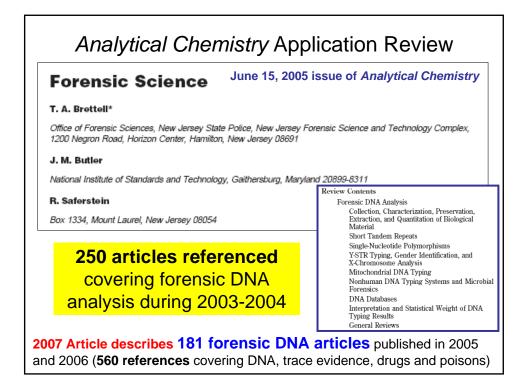
	Checks and Controls on DNA Results		
	Community	FBI DNA Advisory Board's Quality Assurance Standards (also interlaboratory studies)	
	Laboratory	ASCLD/LAB Accreditation and Audits	
	Analyst	Proficiency Tests & Continuing Education	
11	Method/Instrument	Validation of Performance	
Ш.		(along with traceable standard sample)	
	Protocol	Standard Operating Procedure is followed	
	Data Sets	Allelic ladders, positive and negative amplification controls, and reagent blanks are used	
	Individual Sample	Internal size standard present in every sample	
	Interpretation of Result	Second review by qualified analyst/supervisor	
•	Court Presentation of Evidence	Defense attorneys and experts with power of discovery requests	

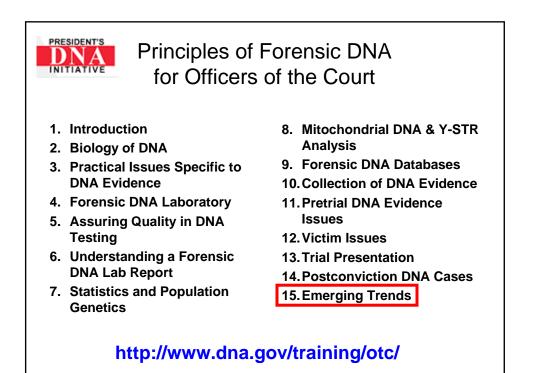


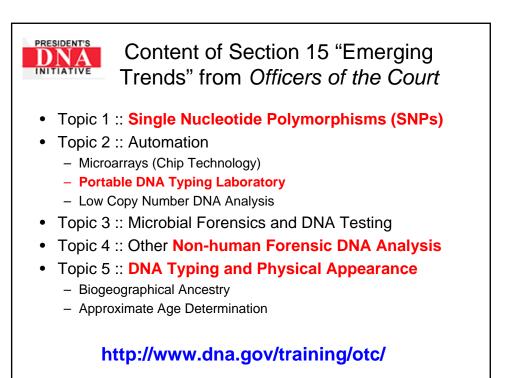


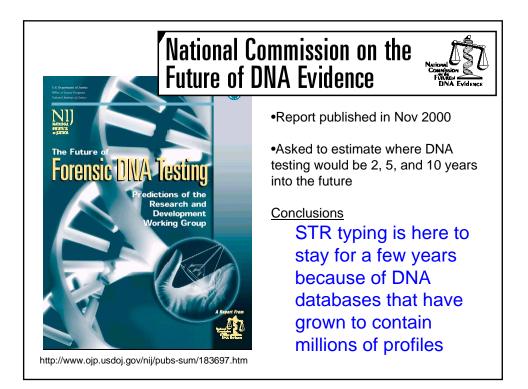


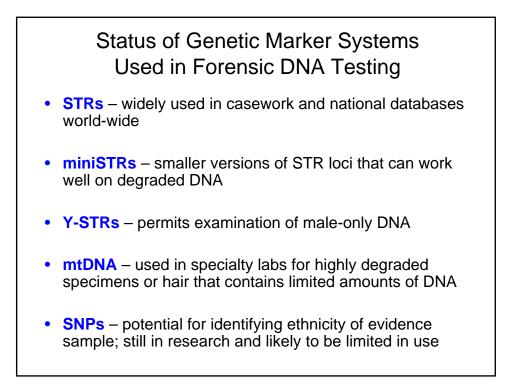


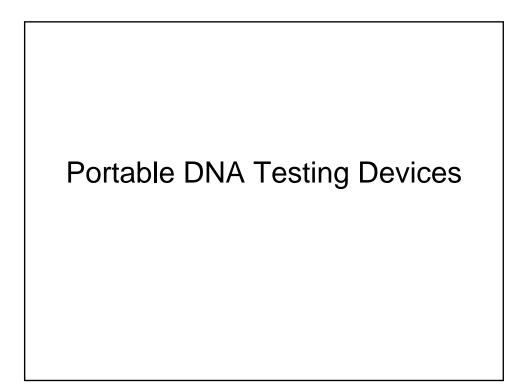


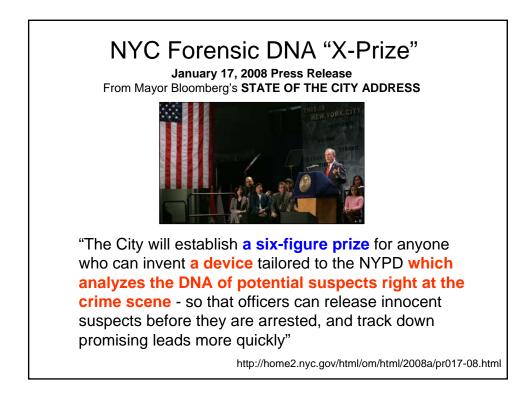


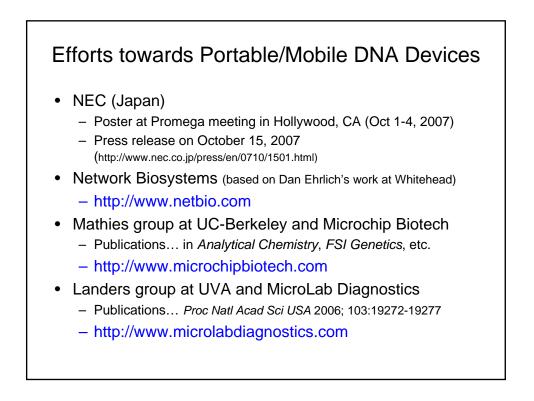




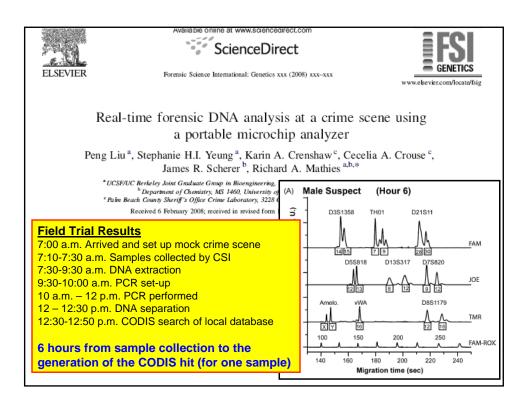


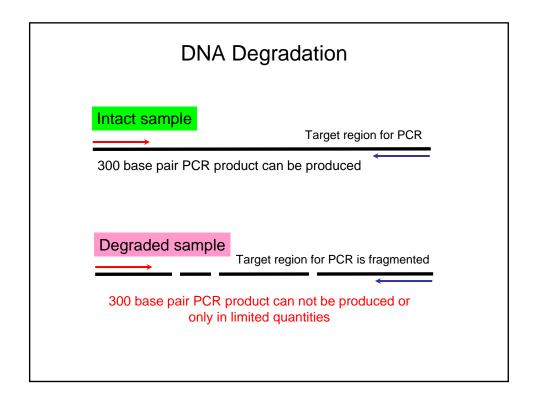


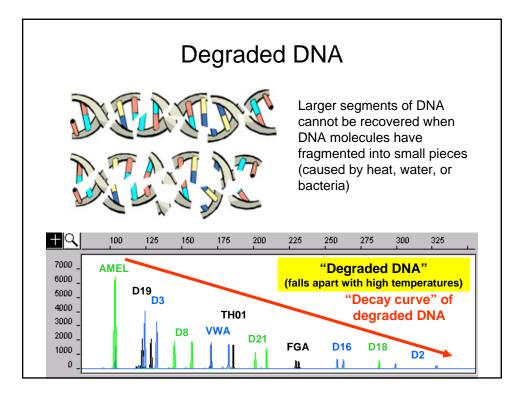


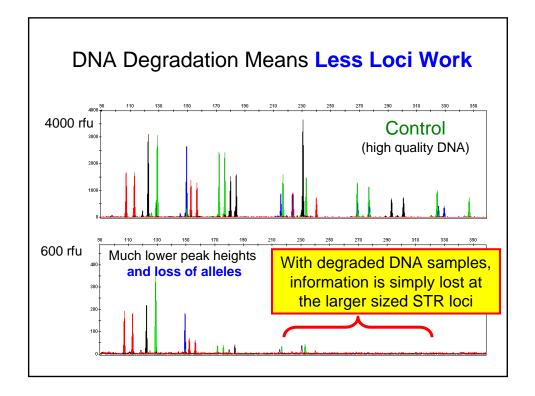


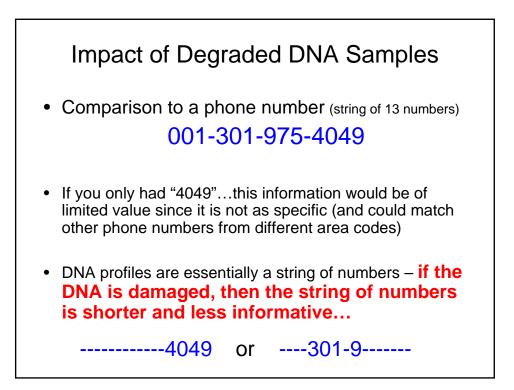
## J.M. Butler – Forensic DNA Keynote Address for College of County Prosecutors Association of New Jersey

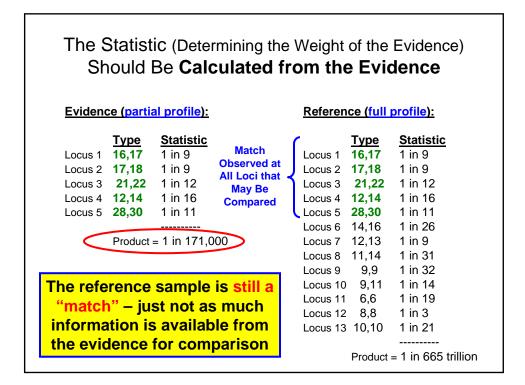


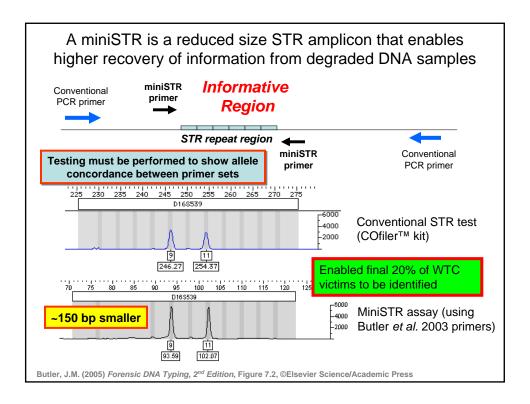


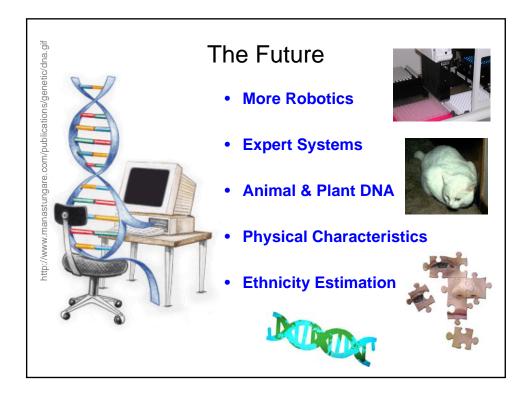




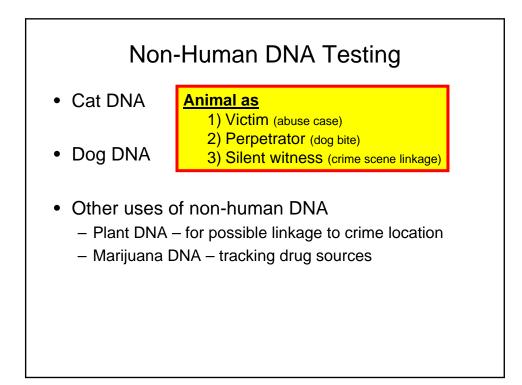


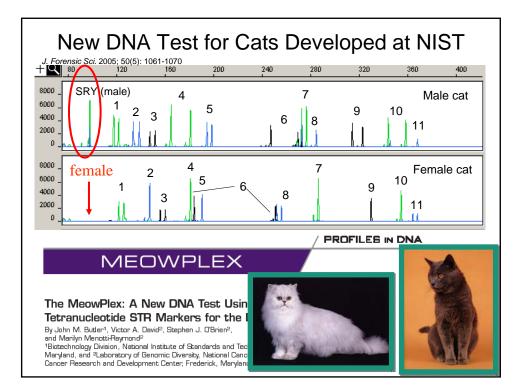






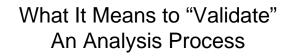
## Non-Human Forensic DNA Analysis







Challenges with Presenting Non-Human DNA in Court (or other novel DNA methods)
Sensabaugh and Kaye (1998) Jurimetrics 38: 1-16
Novelty of the application
Validity of the underlying scientific theory
Validity of any statistical interpretations
Relevant scientific community to consult in assessing the application may be limited
New methods may not have undergone the scientific scrutiny of regular forensic human DNA testing techniques



- How reproducible is an analysis?
  - If the same evidence is examined multiple times, would the same conclusion be reached each time?
- How robust is an analysis?
  - Are results obtained every time (or a high percentage of the time) evidence is tested?
- How reliable is an analysis?
  - If known samples are examined, are the expected results obtained?
  - Are situations with insufficient evidence reaching conclusions of "no results"?

