
n the last few years, the debate over capital punishment has taken a new twist: Many who support capital punishment are calling for a moratorium on carrying out death sentences. The reason: the power of a new rype of physical evidence-DNA

Using DNA -an individual's genetic "cell-print"- to acquit or convict the accused is history's biggest breakthrough in forensie science. All over the world, many criminals given the death penalty have been found to be innocent on the basis of DNA analysis which wasn't available at the time of their conviction. Searching back through evidence files decades old, investigators are producing tiny shreds of evidence-a hair, a saliva sample, a bit of skin tissue-from which DNA can be extracted. In some cases, convictions are being upheld. But in an unsetting number, convictions have been overturned and prisoners set free.
DNA is perhaps the most power-
ful form of physical evidence available
to crime scene investigators. Why?
Because of its permanence. DNA is
not a memory or an opinion, an odor
or a color. It is hard, physical evidence
which does not change over time.
DNA as physical evidence identified
the body of Nazi executioner Josef
Mengele; the Child Recovery and
Identification System uses DNA
records to unite parents with missing
children: and probate courrs are using
ONA evidence to sette conflicting
daims regarding inheritances. DNA
evidence-and as a rule, physical evi-
dence of any kind-is almost impos-
sible to refute
What is physical evidence? In
his standard text on the subject.
Criminalistios author Richard
Saferstein says physical evidence is
any and all objects that can establish
hat a crime has been committed or
can provide a link between a crime
and its victim or a crime and its per-
petrator." In short, physical evidence
investigators about a crime. The goal
of the crime scene investigator is to
build a bridge from the crime to the
criminal, to connect a person with an
act. And physical evidence provides
the foundation stones for the bridge.
Paul L. Kirk has said, "Physical
evidence) does not forget. It is not
confused by the excitement of the
moment. It is not absent [when
human witnesses are; it is factual
evidence. Physical evidence cannot be
wrong, it cannot perjure itself...only
is interpretation can err"
Prosecutors and attorncys face a
problem when trying to prove a
crime: Even though physical evidence
is best, juries almost always value eye-
witness testimony, Because jurists
alue their own memories, they feel
an eyewitness couldn't possibly be
wrong. But memories are ever-chang-
ing and can be influenced by many
things: feelings, opinions, experiences
moods, and prejudices, to name a few
But physical evidence does not lie or
change. is anything and everything that tells


