NUCLEAR 'PRINTS' **USED AS EVIDEN**

New Type of Analysis Helps Police Identify Clues Police Identify Clues By JOHN NOBLE WILFORD Atomic "fingerprinting" was reported here yesterday to be gaining wide acceptance by law-enforcement officers in making positive identifica-tion of incriminating evidence, even if it is only a strand of human hair or a tiny speck of naint soil or autout the solution. As manager of the company's activation analysis program, Dr. Guinn has run atomic tests on evidence in a number of cases recently. He will take the stand in the Illinois animal-poisoning trial. Gulf General Atomic is a wholly owned subsidiary of the Gulf Oil Corporation. It is based in San Diego. Atomic fingerprinting is a re-ments in any material, whether natural or manufactured. It is based on the idea that materials

human hair or a tiny speck of painf, soil or gunpowder. In an Illinois courtroom next week, the method is expected to be put to a new test. Ex-perts are set to testify there on the results of such atomic analysis in determining if batches of animal feed con-tained poison. The method, called neutron activation analysis, has already been used in at least 1,000 cases in the United States, leading in many instances to convictions for moonshining and bootlegging, burglary, rape and murder. The latest results with the crime-detection technique were

The latest results with the crime-detection technique were described at a symposium at the Overseas Press Club on the practical uses of nuclear enerthy. Participants included officials of the Atomic Energy Commission, the Internal Revenue Service and private in-dustry. Dr Vincent P Guinn of Gulf

tical methods usually available in crime laboratories."

These include examination of samples through x-ray analy-sis and the separation of con-ponents in a solution.

enue Service and private in-dustry. Dr. Vincent P. Guinn of Gulf General Atomic, Inc., a manu-facturer of nuclear reactors, said that for many purposes the atomic analysis "is 100 to vestigation—now use the meth-1,000 times more sensitive than the most sensitive of the analy- ples involved in criminal cases.