

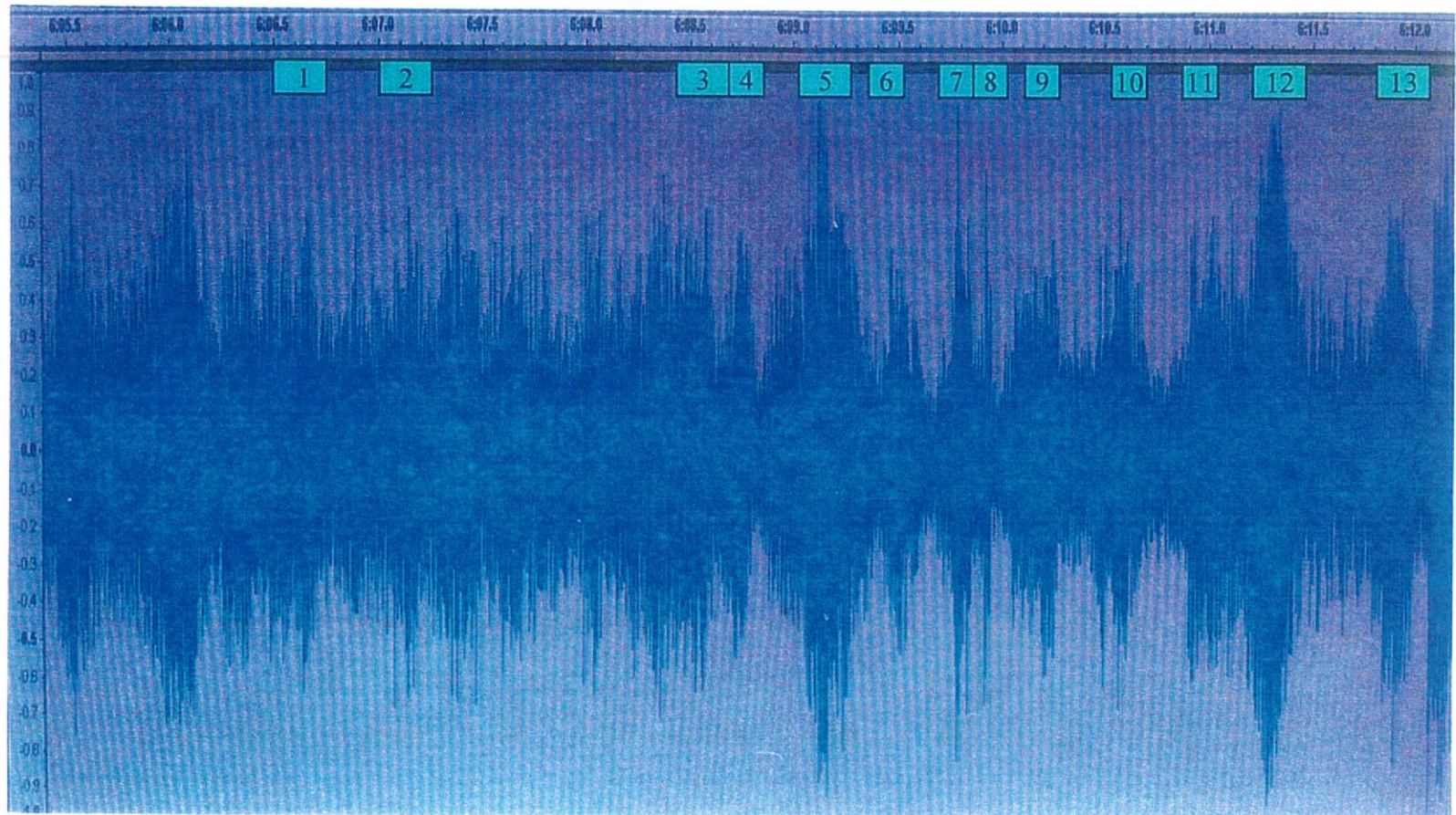
The Only "Picture" of the Fatal Shooting of Robert Kennedy

This Oscillograph is the only "picture" of the fatal shooting of Robert Kennedy on June 5, 1968 in the Ambassador Hotel in Los Angeles. No videotapes nor photographs of the shooting are known to exist. This "sound-picture" was created from the only known audiotape recorded by a journalist at 12:15am the actual time of the shooting. Sirhan was captured after two shots and wounded five persons but not Kennedy. The second gunman fired four bullets from behind Robert Kennedy including the fatal shot. Sirhan gunshots are: 1, 2, 4, 6, 7, 9, 11 and 13. The second gunman's gunshots are: 3, 5, 8, 10, and 12.

Timing of
13 shots within
5.012seconds

SS	1.	0.000
SS	2.	0.457
SG	3.	1.811
SS	4.	1.960
SG	5.	2.331
SS	6.	2.655
SS	7.	2.964
SG	8.	3.086
SS	9.	3.402
SG	10.	3.720
SS	11.	4.054
SG	12.	4.447
SS	13.	5.012

SS: 8 shots
by Sirhan
SG: 5 shots by
second gunman



This Oscillograph created by Forensic Scientist Electrical and Engineer Philip Van Praag from tests on the audiotape uncovered by CNN's Brad Johnson in FBI case files. (Turn this over for full description)



Phil Van Praag's involvement in the audio field has spanned the past 45 years, with forensic analysis of magnetic media recordings included over 35 of those years. The context of his involvement in the field has been embodied both within his professional career and as a result of ongoing independent study. In that regard, he has maintained a substantial laboratory facility with considerable scientific instrumentation with which to conduct his research. The photos below show a small portion of this facility.

Possessing a Master of Science degree in Engineering (Electrical), Phil's professional employment background has included, most recently, a position of Vice President of Information Technology (IT) for the American Heart Association. Prior to that, he was the Chief Information Officer & Vice President of IT for Applied Power, Inc. He had previously worked as a Director of Information Systems at R.R. Donnelley & Sons Co., and the Technical Head of Automated Data Management at Hughes Aircraft Co. He has also held engineering related positions at Ampex Corporation as a Senior Instructor in their Professional Audio/Video Systems division, and in technical laboratory work at Bell Telephone Laboratories, Sandia National Laboratories, and IBM.

At various times throughout his career, Phil has maintained membership in professional societies: the IEEE (Institute of Electrical & Electronic Engineers) for 14 years; SME (the Society of Manufacturing Engineers) for 8 years; SMPTE (the Society of Motion Picture & Television Engineers) for 16 years; and is currently (as of December, 2007) an applicant in the AAFS (American Academy of Forensic Sciences). He is a present holder of a General RadioTelephone Operator License with the Federal Communications Commission (since 1976).

Phil's published works have included a book in 1997 entitled "*Evolution of the Audio Recorder*" which has been recognized around the world, including citation from The Smithsonian Institution Archives. He is the past author of numerous technical articles and papers, published in various national and international magazines and journals. For example, his major scientific paper on computer networking was read at the annual international IEEE conference in Trondheim, Norway.

Phil's audio forensic research and discoveries in the Robert F. Kennedy assassination led to a *Discovery Times Channel* documentary in June, 2007, and an upcoming (as of December, 2007) scientific presentation of his findings at the annual international AAFS conference in Washington, DC in 2008.