

## Voice Identification The Aural Spectrographic Method

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### Voice Identification and Speaker Recognition

Moody Science Classics: Voice of the DeepIntroduction to Spectrogram Analysis

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For the most accurate results from the spectrographic voice identification method, a professional examiner (1) will require the original recordings or the best quality rerecordings if the original is not available; (2) will perform a critical aural review of the suspect and known recordings; (3) will produce sound spectrograms of the comparable words and phrases; (4) will produce a comparison recording juxtaposing the known and unknown speech samples; (5) will evaluate the evidence and ...

### Voice Identification The Aural/Spectrographic Method ...

VOICE IDENTIFICATION: The Aural/Spectrographic Method by: Michael C. McDermott ( mike@mcldtd.com ), Tom Owen ( owlmax@aol.com ), Frank M. McDermott, Ltd. Owl Investigations, Inc. Table of Contents: I. INTRODUCTION II. The Sound Spectrograph III. The Method of Voice Identification IV. History V. Standards of Admissibility VI. Research Studies VII.

### VOICE IDENTIFICATION: The Aural/Spectrographic Method

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### Voice Identification The Aural Spectrographic Method

SPECTROGRAPHIC METHOD FOR VOICE IDENTIFICATION The "aural-spectrographic" method of voice identification relies on a trained examiner's ability to make a discrimination judgment as to whether a known and an unknown speech exemplar were produced by one speaker or by two different speakers. Even when more

### VOICE IDENTIFICATION AND ELIMINATION USING AURAL ...

Aural/Spectrographic speaker comparison is a combination of aural (listening) and instrumental comparison of one or more known voices with an unknown voice for the purpose of identification or elimination. Factors which are compared are resonance quality, pitch, temporal factors, inflection, dialect, articulation, syllable grouping and peculiar speech characteristics.

### Voice Identification | Stutchman Forensic Laboratory

The Tanner-Culbertson Aural Method of Voice Identification is an inexpensive alternative to spectrographic voice prints. Spectrographic voice prints are costly, time-consuming, subjective, and too complex to be understood by juries and lay persons. The Tanner-Culbertson Aural Method of Voice Identification provides attorneys and law enforcement personnel with three

### The TannerCulbertson Aural Method of Voice Identification

The FBI conducts forensic voice identification examinations using the spectrographic or voiceprint technique for the FBI, other Federal agencies, state and local law enforcement authorities, and many foreign governments. After each examination is conducted, a written report of findings is mailed to the contributor with the name of the examiner and the disposition of the submitted voice samples.

### Spectrographic voice identification - Tape Expert

Aural/spectrographic voice identification is a combination of aural, or listening and instrumental comparison of one or more known voices with an unknown voice for the purpose of identification or elimination.

### Understanding Forensic Voice Identification & Speaker ...

Voice Identification - Comparing two voices, side-by-side using the aural/spectrographic method to determine whether or not the voices are a "match." In addition to the examining the recorded voices an exemplar recording will be created as well.

### Audio

of spectrographic voice identification. In the five years after the release of the Tosi study in 1971, Tosi and his technical assistant, Ernest Nash of the Michigan State Police, testified throughout the country on the subject of spectro-graphic voice identification. Ordinarily, Tosi tes-tified to the reliability of the technique and Nash

### The Admissibility of Spectrographic Voice Identification ...

The technique of voice identification by means of aural and spectrographic comparison is still an unsettled topic in law. Although the spectrographic voice identification method has progressed greatly since it was first introduced to a court of law back in the mid 1960's, it still faces stiff resistance on the issue of admissibility in the courts today.

### SOUND SPECTROGRAPH AND VOICE PRINTS &#211; A NEW PARADIGM ...

Voice Identification The Aural/Spectrographic Method I - Introduction The forensic science of voice identification has come a long way from when it was first introduced in the American courts back in the mid 1960's. In the early days of this identification technique there was little [...]

### Forensic Articles | Owen Forensic Services, LLC

CiteSeerX - Document Details (Isaac Council, Lee Giles, Pradeep Teregowda): www.audioforensics.com The use of spectrographic pattern matching and aural comparison in forensic voice identification requires careful control of examiner bias and an awareness of the principles of signal detection theory. This paper briefly reviews the history of the aural-spectrographic method and the experimental ...

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www.audioforensics.com The use of spectrographic pattern matching and aural comparison in forensic voice identification requires careful control of examiner bias and an awareness of the principles of signal detection theory. This paper briefly reviews the history of the aural-spectrographic method and the experimental results of Oscar Tosi, and ...

### IDENTIFICATION - CORE

The Tanner-Culbertson Aural Method of Voice Identification: A Reasonable Alternative to Spectrographic Voice Prints . By . Abstract. decades. This highly developed technology uses complex algorithms to break the speech signal down into its component parts: time, frequency, and energy. The result is a spectrogram, also known as a voice print ...

### The Tanner-Culbertson Aural Method of Voice Identification ...

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### Voice Identification The Aural Spectrographic Method

To provide a better understanding of these voice comparison topics, two types of aural-only comparisons will be discussed, and an update on the spectrographic technique is included. Aural Identification of Familiar Voices Recognition of familiar voices is a daily occurrence for most people, as they identify spouses, children, coworkers, friends ...