

Non-Contact Magnetic Media Reader for Retrieving Information from Obsolete Systems

Presented by:
BRIAN WALKER - APPLIED PICTURES





**“I have an idea that is both
Analog and Sleazy.**

Are you interested?”



“The Idea”

- Retrieve information from magnetic tape;
without physical contact or harm to the stock;
that will provide ongoing access to the
information.
- Focus on tape that has been damaged;
would not survive passage through the
traditional transport methods.
- Rare or one of a kind tapes.

Process Toward Deliverable

- Read Original Signal Recorded on the Tape
- Non-Contact Reading of the Information
- Deliver Samples in Database Form

R & D Team

Bruno George

- New Projects Director for Applied Pictures
- Motion picture production for over 30 years
- Manager of Pacific Title and Art Studio
- Member - Academy of Motion Picture Arts and Sciences'
Visual Effects Branch

R & D Team


Craig Friedrich

- CEO of Broadcast Systems and Design Company
- CTO - InFocus Projectors
- Manufacturing Manager - Sequent Computer

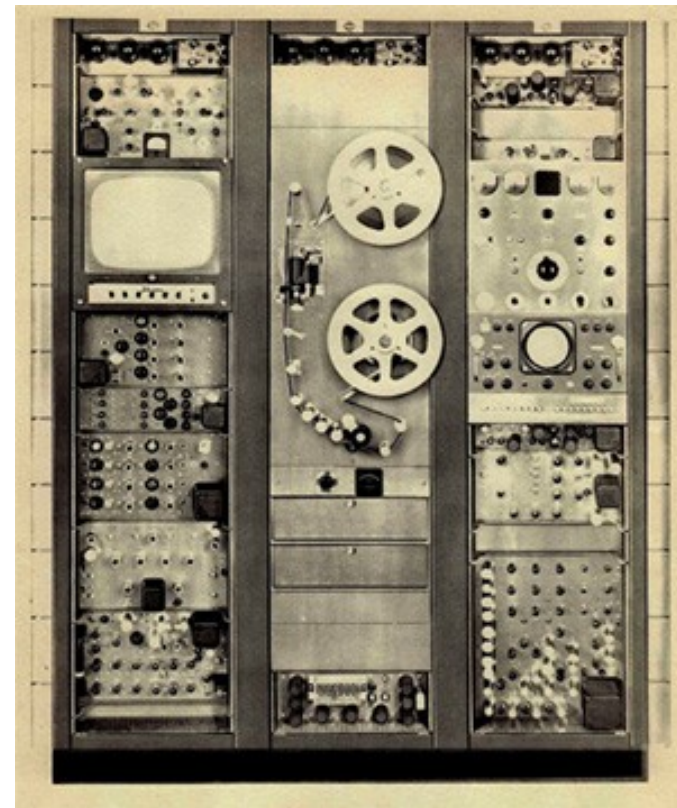
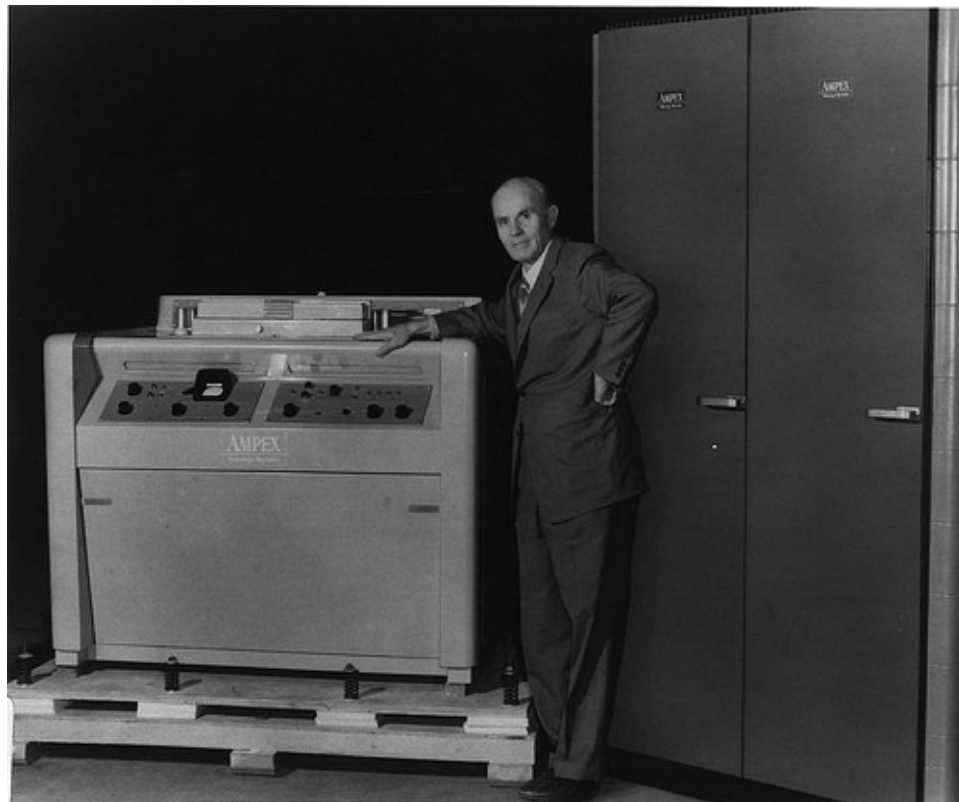


R & D Team

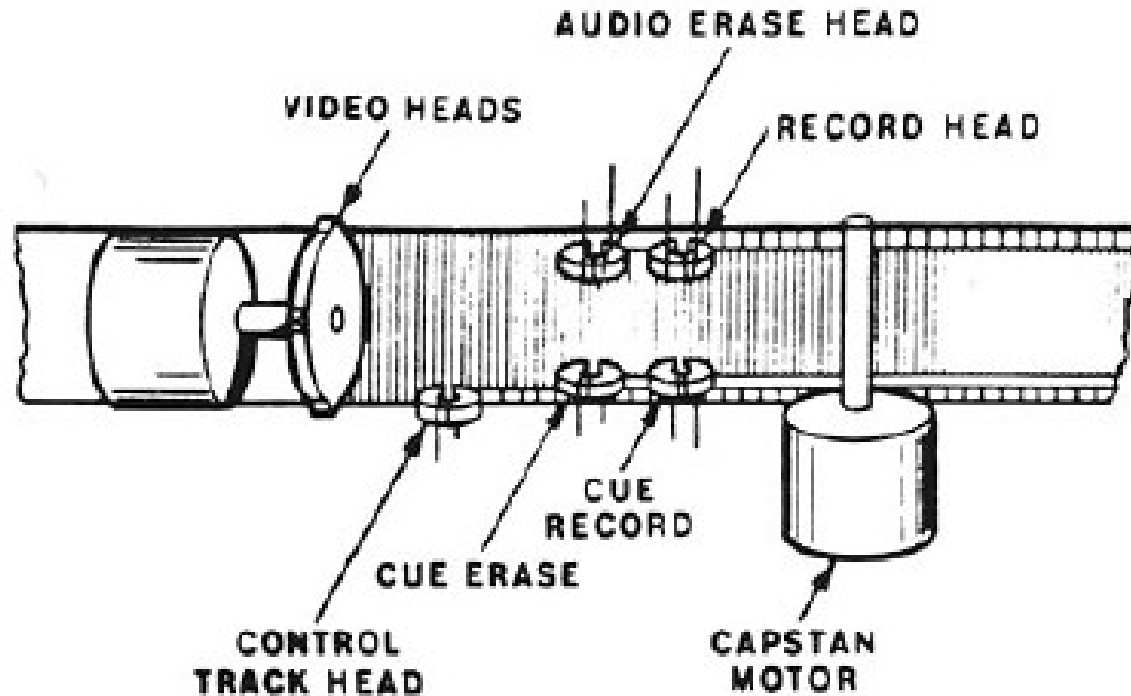
Brian Walker

- Broadcast & Post Production Facility Designer
 - Broadcast Engineer - Radio & Television Stations
 - Over 35 years working with various magnetic media
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Magnetic Video Tape



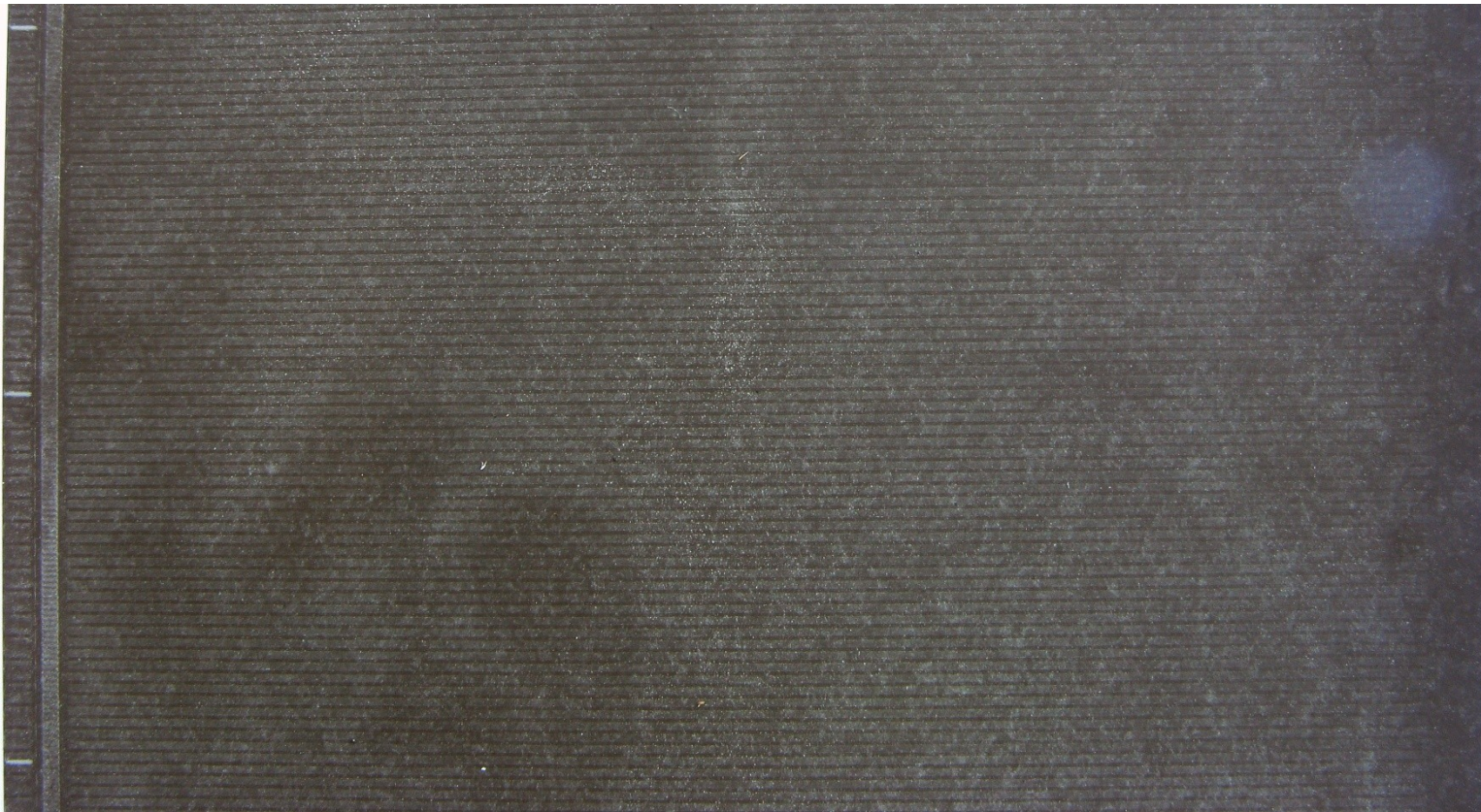
Capturing Magnetic Information



Status of R & D

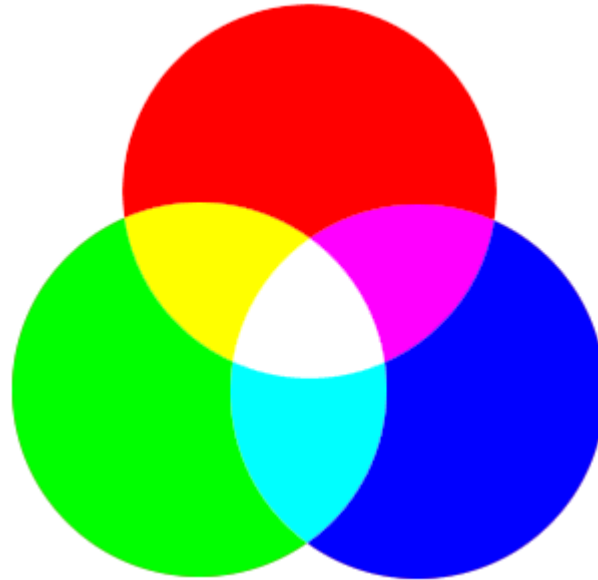
- Since February 2010:
 - Built a magnetic force microscope;
 - Using nano level sensors with Magnetic Force Focusing Device;
 - Located the tracks where data resides;
 - Currently Testing on readable tape.

Track Data



The Deliverable

- A large database;
- Conformed to future formats and processes.



Next Steps

- Refining the process;
- Retrieve the data;
- Two frames of images by Fall of 2010.



Applied Pictures

• *Questions & Discussion*

• *Thank You*

