Hill Digital Courtroom
John Luke Hill, Jr. (October 29, 1923 – July 9, 2007) graduated from UT Law in 1947 and led a remarkable legal and public service career spanning 60 years. He is thus far the only person in Texas history to serve as secretary of state, attorney general, and chief justice.

Except for the 11 years he spent in state government, Judge Hill had been a practicing trial lawyer. Hill had extensive experience in state and federal courts throughout the United States, including many appearances before the U.S. Supreme Court.

Along with family and friends, Hill established the John L. Hill Trial Advocacy Center at The University of Texas School of Law. Dedicated on April 2, 2004, the Center oversees the practical training of UT Law students in trial and appellate advocacy.

As Texas attorney general during 1973-78, John L. Hill Jr. transformed an often-passive law enforcement agency into a dynamic modernizing force vital to Texas government's emergence from decades of dominance by rural and corporate interests committed to the status quo.

*John Hill for the State of Texas* describes from his perspective the political, legal and judicial challenges he juggled in attempting to assure Texans a top-flight law firm to aggressively stand up for their rights, and to do what was right.

His courtroom credentials and reform campaign platform attracted dozens of bright young lawyers eager to explore the relatively new field of public interest law.”

http://johnhillfortexas.com/
Getting Started

Outfitting the “Courtroom of Tomorrow”
Room Layout BEFORE

[Diagram of a room layout showing areas labeled as Mediation, Courthouse Room,律师, and Witness with additional details and labels such as M.14, C.17, and shutters.]
Donor’s Vision

FEBRUARY 2010 - Donor’s visit & a “rough weekend”

$100,000 gift (euphoria followed by harsh reality)

Tried to move into other courtrooms
  Eidman (used for “real” trials, too busy during day/used at night)
  Jeffers (all day, every day courtroom/lecture hall)

Trial Advocacy’s Vision – “Protoype room” wanted to be able to replicate set up for the other 4 Teaching Courtrooms

Even though we started in March 2010...
  Room was in use until after finals – May 24;
  Classes started August 25
    (room needed to be complete two weeks prior for testing)
Donor’s Vision (Tracy McCormack)
Influences – Courtroom 21 Project, Harris County and Corpus Christi Federal Courthouses

Donors wanted a Plan A, Plan B; list of a la carte items

Experimental courtroom technology

Interactive whiteboard

Jury monitors

Kill Switch

Quick Media, with a Turn Key – Class Mode & Jury Mode (laptop presentation with ability to tie-in doc cam or DVD/VCR)
Moot Court set up with window to look in

Annotation tools ➔ Ability to capture annotation & then redisplay

3-4 LCDs (Judge, Counsel, Witness, and Jury)

HD flip camera with SD for recording

LCD vs. Projector

Fixed vs. Mobile furniture (Harris County had mobile)

NO Computer or printer in the room

Look like a courtroom ➔ raised Judge’s Bench
(Initial furniture/electrical estimate was $28,000)
Limitations of the Space
“Fighting” with the Room

18 x 20
We Have a “Winner”
The Counsel desks do not look like tables; more like a desk without drawers. They are stained a cherry color and have nice detailing on the wood.
New Furniture! Judge’s Bench

The Judge’s Bench has a wood front that goes down to the floor; more like a desk without drawers. They are stained a cherry color and have nice detailing on the wood.
“Courtroom of Tomorrow” (T. McCormack)
Counsel’s Side of the Room
Tables and Lectern
Lectern’s Technology

- VGA connection to laptop (each side)
- Telestrator
- Crestron control panel
  - DVD/VCR Combo
  - Defense Laptop
  - Prosecution Laptop
  - Document Camera
  - Video Conference
  - USB Connector
Defense Laptop
Telestrator (ëlo) and Crestron Panel
Importance of Telestrators (T. McCormack)
Preset Zones for changing annotation color, undo edits, clear content and capture (save) image.
Telestrator Features — Annotation

Judge’s Monitor
Telestrator Features — Annotation

Witness Touchpanel
Telestrator Features — Annotation

Counsel’s Response
Telestrator Features — Capture Image

00011 - Images will be saved on the flash drive as IMG11, IMG12, etc.

69% - status of storing image to disk
Inside of the Lectern
Hardware — Pointmaker by Boeckeler

High Definition! (and Standard Definition)

CPN-5000
Color Video Marker

FEATURES

♦ Save images to USB memory devices

CAPTURE • STORE • RELOAD (No Computer Required). The CPN-5000 is the first high-resolution Pointmaker Video Marker with integrated capture, print and TCP/IP networking features. It is a single solution for anyone wanting to annotate over video and capture the result. Coaches can use it to freeze game videos, then annotate and print them for distribution. Multiple images can be captured to a USB memory device for storage or later transfer to a computer. Captured images can also be reloaded for viewing or sharing. It is perfect for courtrooms.

♦ Scale and Annotate most video sources (NTSC/PAL)

and

Capture!

Print!

Network!

Scale!

Scales any input to high resolution
4 x 3, 16 x 9, and
16 x 10 video formats.
The CPN-5000 ships with a keyboard, digitizing tablet and memory stick.
Judge’s Side of the Room
Close Up of Crestron Touchpanel
Judge controls when and what content the Witness and Jury sees:

- Send to Witness
- Send to Court
- All Kill Switch
How to deal with inappropriate content

- What Counsel sees:
  The Judge has overridden the system. Please wait.

- What the Judge sees:
  You have overridden the system. Please press the "All Kill" button to release.
Jury LCD
Renovation Details
Things Don’t Always Go According To Plan

- Furniture was installed over Winter Break 2011
- Grommets in Judge’s Bench cut out in late January 2011
- Vendor finished “final touches” March 2011
<table>
<thead>
<tr>
<th>QTY</th>
<th>MFG</th>
<th>Model</th>
<th>Description of products and services proposed</th>
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<tbody>
<tr>
<td>1</td>
<td>Chief Man</td>
<td>KCD110</td>
<td>Desk mounts for touch screen</td>
</tr>
<tr>
<td>2</td>
<td>ELO</td>
<td>1715L</td>
<td>Touchscreen Monitor for Witness stand &amp; Lectern</td>
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<tr>
<td>1</td>
<td>Viewsonic</td>
<td>VA2223wm</td>
<td>21.5&quot; Wide Screen Tabletop Monitor (Judge's Desk)</td>
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<tr>
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<td>Elmo</td>
<td>P10S</td>
<td>Visual Presenter</td>
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<td>Current Model</td>
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<td>Crestron</td>
<td>C2N-DB2B</td>
<td>2-Button Keypad</td>
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<td>Isys 5.7&quot; Tilt Tabletop Wired Touchpanel</td>
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<td>Crestron</td>
<td>C2N-VEQ-4</td>
<td>4 Channel Volume Control</td>
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<td>CP2E</td>
<td>System Controller</td>
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<td>1</td>
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<td>CNXRMAK</td>
<td>Rack mount for cresnet power supply</td>
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<td>CNPWS-75</td>
<td>75W Crestnet Power Supply</td>
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<td>C2N-FT-TPS4</td>
<td>3.6&quot; FlipTop Touchpanel Control Center</td>
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<td>MAP</td>
<td>PTRK-21</td>
<td>21 Space (36 3/4”) Portable Rolling Rack With Locking Front &amp; Rear Doors</td>
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<td>PTRK-RR21</td>
<td>Rear Rack Rails</td>
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<td>MAP</td>
<td>SSL</td>
<td>Low Profile Sliding Shelf</td>
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<td>Atlas</td>
<td>Sound</td>
<td>SM52T-B 5-1/4&quot; 2-Way Surface Mount Speakers</td>
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<td>DTX-DRV</td>
<td>RS-232 Line Drivers (1 Pair)</td>
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<td>PVI-90X</td>
<td>Pointmaker</td>
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<tr>
<td>1</td>
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<td>CPN-5000</td>
<td>Pointmaker - The CPN-5000 is the first high-resolution Pointmaker Video Marker with integrated capture, print and TCP/IP networking features.</td>
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<td>Extron</td>
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<td>VI Custom</td>
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<td>Custom Rack panel for Judge, Witness, Jury</td>
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<td>Sharp AQUOS</td>
<td>LC-52LE700UN</td>
<td>52&quot; Full Array LED, Full HD 1080p, 120Hz Fine Motion Enhanced, Spectral Contrast Engine MC, 4ms response time, USB Photo/Music Player, 4 HDMI, PC input, RS-232C input</td>
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<td>Item</td>
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<tr>
<td>Technology</td>
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<td>Furniture, et.al.</td>
<td>$15,000 (~$9K – Furniture)</td>
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<td><strong>TOTAL</strong></td>
<td><strong>$50,000</strong></td>
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1 – Add new or additional electrical outlets
2 – Add data ports (VGA, Ethernet, Crestnet)
3 – Existing video cameras