# Talk 4: Exploring the TEI

March 2009

# The TEI Guidelines

This talk gives a whirlwind survey of some of the other thing that
the TEI provides for its community, starting with the TEI Guidelines.

# TEI Chapters (1)

In addition to Front Matter and Back Matter, the TEI Guidelines contain chapters on:

1. The TEI Infrastructure
2. The TEI Header
3. Elements Available in All TEI Documents
4. Default Text Structure
5. Representation of Non-standard Characters and Glyphs
6. Verse
7. Performance Texts
8. Transcriptions of Speech
9. Dictionaries
10. Manuscript Description
11. Representation of Primary Sources
12. Critical Apparatus

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# TEI Chapters (2)

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# v. A Gentle Introduction to XML

- Moved to Front Matter of Guidelines
- Updated to modern use of XML, namespaces, schemas, etc.
- A must-read for those new to XML
- Considers the nature of markup, why XML is so special, and the structures we create with them

# 6. Verse

- `<rhyme>` element added to make rhyming part of metrical line
- Core: `<lg>` (line-groups) enclose `<l>` (line) elements
- Module Elements: `<caesura>`, `<metDecl>`, `<metSym>`, `<rhyme>`

```
<lg rhyme="abab">
 <l>A pleasing land of drowsy head it
<rhyme label="a">was</rhyme>, </l>
 <l> Of dreams that wave before the half-shut
<rhyme label="b">eye</rhyme>; </l>
 <l>And of gay castles in the clouds that
<rhyme label="a">pass</rhyme>, </l>
 <l> For ever flushing round a summer
<rhyme label="b">sky</rhyme>. </l>
 <trailer>CASTLE OF INDOLENCE. </trailer>
</lg>
```

# 7. Performance Texts

- Core: <sp>, <speech>, <speaker>
- Module Elements: <actor>, <camera>, <caption>, <castGroup>, <castItem>, <castList>, <epilogue>, <move>, <performance>, <prologue>, <role>, <roleDesc>, <set>, <sound>, <tech>, <view>

```
<castList>
 <castItem>
  <role>Ichabod Crane</role>
  <actor>James Cummings</actor>
 </castItem>
 <castItem>
  <role>Katrina Van Tassel</role>
  <actor>Dot Porter</actor>
 </castItem>
</castList>
```

# 8. Transcriptions of Speech

- Module Elements: `<broadcast>`, `<equipment>`, `<incident>`, `<kinesic>`, `<pause>`, `<recording>`, `<recordingStmt>`, `<scriptStmt>`, `<shift>`, `<u>`, `<vocal>`, `<writing>`

- `<incident>` replaces `<event>` which has been re-purposed

```
<u>What passed at this interview I will not pretend to
say, for in fact I do not
know. <pause dur="PT5S"/> Something, however, I fear me,
must have gone wrong. <gap/>
 <vocal dur="PT2S">
  <desc>cries in anguish</desc>
 </vocal>Oh these women! these women!
<kinesic dur="PT1.5S">
  <desc>shakes head sadly</desc>
 </kinesic> Could that girl have been playing off any of
her coquettish tricks?</u>
```

# 9. Dictionaries

- Module Elements: <case>, <colloc>, <def>, <dictScrap>, <entry>, <entryFree>, <etym>, <form>, <gen>, <gram>, <gramGrp>, <hom>, <hyph>, <iType>, <lang>, <lbl>, <mood>, <number>, <oRef>, <oVar>, <orth>, <pRef>, <pVar>, <per>, <pos>, <pron>, <re>, <sense>, <stress>, <subc>, <superEntry>, <syll>, <tns>, <usg>, <xr>

```
<entry>
 <form>
  <orth>horseman</orth>
 </form>
 <sense n="1">
  <def>a rider or driver of horses; especially:  one
whose skill is exceptional</def>
 </sense>
</entry>
```

# 12. Critical Apparatus

- Module Elements: <app>, <lacunaEnd>, <lacunaStart>, <lem>, <listWit>, <rdg>, <rdgGrp>, <variantEncoding>, <wit>, <witDetail>, <witEnd>, <witStart>, <witness>

```
<p>Certain it is, this was not the case with the
redoubtable Brom Bones; and <app>
  <rdg wit="#msA">from the moment Ichabod Crane made his
advances,</rdg>
  <rdg wit="#msB">coincidentally when Ichabod Crane made
his advances,</rdg>
  <rdg wit="#msC">from the moment Ichabod Crane started
to sing,</rdg>
 </app> the interests of the former evidently
declined;</p>
```

## 12. Names, Dates, People, Places

```xml
<p>...  <name ref="#jsbach" type="person"> Johann
Sebastian Bach </name> was a prolific
German composer ... </p>


<listPerson type="composers">
 <person xml:id="kfabel">
  <persName>Karl Friedrich Abel</persName>
 </person>
 <person xml:id="jsbach">
  <persName>Johann Sebastian Bach</persName>
 </person>
 <person xml:id="cpebach">
  <persName>Carl Philipp Emanuel Bach</persName>
 </person>
<!-- … -->
</listPerson>
```

# 14. Tables, Formulae, and Graphics

- Module Elements: `<cell>`, `<figDesc>`, `<figure>`, `<formula>`, `<row>`, `<table>`

```
<table>
 <row>
  <cell>Van Tassel, Katrina</cell>
  <cell>A+</cell>
  <cell>As beautiful as she is talented</cell>
 </row>
<!-- more table rows of Ichabod's grading book-->
</table>
```

# 15. Language Corpora

- Module Elements: `<activity>`, `<channel>`,
  `<constitution>`, `<derivation>`, `<domain>`,
  `<factuality>`, `<interaction>`, `<locale>`,
  `<particDesc>`, `<preparedness>`, `<purpose>`,
  `<setting>`, `<settingDesc>`, `<textDesc>`

```xml
<settingDesc>
 <setting who="#p1 #p2">
  <name type="village">Sleep Hollow</name>
  <date>early spring, 1789</date>
  <locale>a farm house, sat by the hearth</locale>
  <activity>courting</activity>
 </setting>
 <setting who="#p3">
  <name type="city">Sleepy Hollow</name>
  <date>early spring, 1789</date>
  <locale>school house</locale>
  <activity>teaching</activity>
 </setting>
</settingDesc>
```

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# 16. Linking, Segmentation, and Alignment

- Module Elements: `<ab>`, `<alt>`, `<altGrp>`, `<anchor>`, `<join>`, `<joinGrp>`, `<link>`, `<linkGrp>`, `<seg>`, `<timeline>`, `<when>`

```
<p xml:id="p123">These magic books and the poetic
scrawls were forthwith consigned to
the flames by <persName xml:id="HVR5">Hans Van
Ripper</persName>; who from that time
forward determined to send his children no more to
school; observing, that he never
knew any good come of this same reading and writing.
</p> [...]
<linkGrp>
 <link targets="#p123 facs.xml#graphic-p123"/>
 <link targets="#HVR5 people.xml#VanRipperH5"/>
</linkGrp>
```

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# 17. Simple Analytic Mechanisms

- Module Elements: `<c>`, `<cl>`, `<interp>`, `<interpGrp>`, `<m>`, `<phr>`, `<s>`, `<span>`, `<spanGrp>`, `<w>`

```
<u><s><w ana="#AT0">The</w> <w
ana="#NN1">victim</w><w
ana="#POS">'s</w> <w
ana="#NN2">friends</w><w
ana="#VVD">told</w> <w
ana="#NN2">villagers</w><w
ana="#CJT">that</w> <w
ana="#AT0">the</w><w
ana="#NP0">Headless</w> <w
ana="#NP0">Horseman</w><w
ana="#VVD">rode</w> <w
ana="#PRP">into</w><w
ana="#AT0">the</w> <w
ana="#NN1">forest</w><w
ana="#CJC">and</w> <w
ana="#AV0">never</w><w
ana="#VVD">surfaced</w> </s> </u>
```

# 23. Using the TEI

- The new 'Using the TEI' chapter does not define a module of elements
- It contains sections on:
    - 23.1 Obtaining the TEI Schemas
    - 23.2 Personalization and Customization
    - 23.3 Conformance
    - 23.4 Implementation of an ODD system

# Live Demos

Now if I have time, and an internet connection, I'll do some live demos looking around the Guidelines, Reference Material, Roma, etc.

- Guidelines: http://www.tei-c.org/Guidelines/P5/
- Reference: http://www.tei-c.org/release/doc/tei-p5-doc/en/html/REF-ELEMENTS
- Roma: http://www.tei-c.org/Roma/
- Stylesheets: http://www.tei-c.org/Tools/Stylesheets/
- Wiki: http://wiki.tei-c.org/
- Sourceforge: http://sourceforge.net/projects/tei/