Beyond the Facsimile: Early English Books Online (EEBO) and the Text Creation Partnership

Enriching Scholarship May 7, 2012

Goals

- Understand the relationship between Early English Books Online and Text Creation Partnership
- Develop ability to "read" an interface: to think about, ask questions of, and make sense of what is being revealed or hidden by websites for digitized resources
- Understand what the Text Creation Partnership produces and some of the ways it can be used—as well as what it cannot do
- Share ideas for using these resources in research and teaching

Agenda

- Introductions (5 min)
- Background: What is the Text Creation Partnership? What is its relationship to EEBO?
 (10 min)
- Walk through/demo different ways to search the texts (25 min)
 - ProQuest's EEBO
 - UM's EEBO-TCP
 - Differences, similarities, preferences?
- Behind the scenes (25 min):
 - What does the TCP really produce?
 - What are the challenges and goals of this work? What purpose does it serve?
 - document analysis exercise
- Ideas/examples for teaching and research (20 min)
- Critical thinking: gaps and limitations of these resources (10 min)
- Questions/discussion (10 min)
- Evaluation (5 min)

Introductions

Who am I?

Rebecca Welzenbach, Text Creation Partnership Project Outreach Librarian

Who are you?

- Name
- Affiliation
- Do you already use EEBO or TCP? In what capacity?
- Any specific questions, concerns, or things you hope will be covered today?

Background: EEBO

- Contains more than 125,000 titles listed in Pollard & Redgrave's Short-Title Catalogue (1475-1640) and Wing's Short-Title Catalogue (1641-1700) and their revised editions, as well as the Thomason Tracts (1640-1661) and the Early English Books Tract Supplement
- Commercial product developed by ProQuest
- Purchased or licensed by libraries
- Grew out of Early English Books microfilm series
- Consists of scanned microfilm and (now) direct scans from books
- EEBO alone lets you search the MARC catalog records for each book and view the pages of the book. It does not provide full-text search capabilities
- Page images + searchable metadata

For more information: http://eebo.chadwyck.com.proxy.lib.umich.edu/about/about.htm

Background: EEBO-TCP

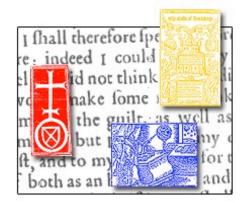
- More than 40,000 texts done so far. Goal is to complete \sim 70,000, or one edition of each unique work in the EEBO catalog
- Each page is keyed by hand(OCR doesn't work; double/triple-keying) and and mark-up added
- Product is a large set of searchable encoded text files that may be matched up with page images in EEBO for search and display, or put to other uses entirely
- Not-for-profit, library-based consortial project
- Libraries pay to support this work; gain immediate access to the output
- Text files belong to partner library institutions and will ultimately be made freely available to everyone
- Model has been replicated with ECCO- and Evans-TCP

For more information: http://textcreationpartnership.org









Early English Books Online (EEBO) contains digital facsimile page images of virtually every work printed in England, Ireland, Scotland, Wales and British North America and works in English printed elsewhere from 1473-1700 - from the first book printed in English by William Caxton, through the age of Spenser and Shakespeare and the tumult of the English Civil War. More.

Now available - <u>EEBO Interactions</u>: A social network for *Early English Books Online*. (<u>sign in</u>, <u>register</u> as a new *Interactions* user, or <u>find out more</u>)

The EEBO Introductions Series, providing concise and informative commentaries on some of the less frequently discussed texts in EEBO

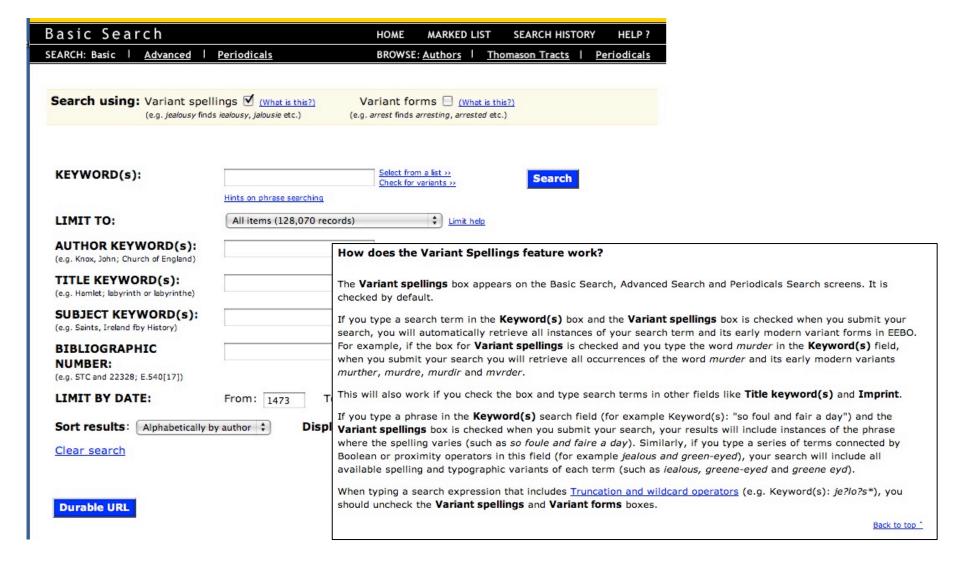
Send your suggestions, comments or queries to our <u>Webmaster</u>. <u>End Session</u> | <u>Site map</u> | <u>Accessibility</u>

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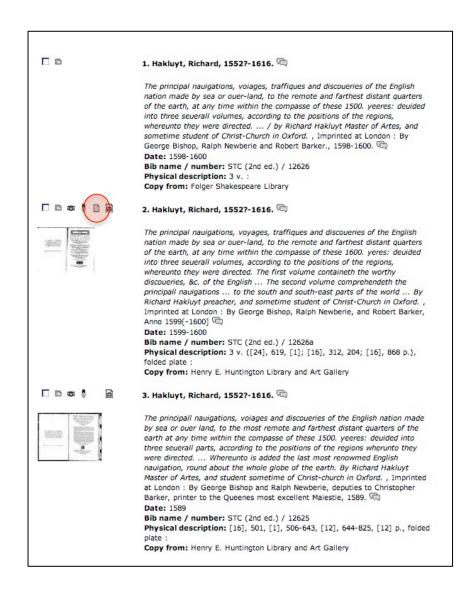
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Rebecca Welzenbach | tcp-info@umich.edu | textcreationpartnership.org | @TCPStream

Catalog record only

Catalog record, images, illustrations, full text from TCP

Catalog record, images, illustrations



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TO THE RIGHT HONORABLE MY SINGV|LAR GOOD LORD, THE LORD CHARLES HOVVARD, Erle of Notingham, Baron of Effingham, Knight of the noble Order of the Garter, Lord high Admirall of England, Ireland, and Wales, &c. one of her Maiesties most honourable privile Counsell.

RIght Honourable and my very good Lord, after I had long since published in Print many Nauigations and Discoueries of Stranigers in divers languages, as well here at Lonidon, as in the citie of Paris, during my five yeeres abode in France, with the woorthie Knight Sir Edward Stafford your brother in lawe, her Maiesties most prudent and carefull Ambassador ligier with the French King: and had waded on still farther and farther in the sweet studie of the historie of Cosmographie, I began at length to conceiue, that with dili|gent observation, some thing might be gathered which might commend our na tion for their high courage and singular activitie in the Search and Discoverie of the most vnknowen quarters of the world. Howbeit, seeing no man to step forth to vndertake the recording of so many memorable actions, but every man to follow his private affaires: the ardent love of my countrey devoured all difficul/ties, and as it were with a sharpe goad prouoked me and thrust me forward into this most troublesome and painfull action. And after great charges and infinite cares, after many watchings, toiles, and trauels, and wearying out of my weake body; at length I have collected three severall Volumes of the English Naviga|tions, Traffiques, and Discoueries, to strange, remote, and farre distant coun treys. Which worke of mine I have not included within the compasse of things onely done in these latter dayes, as though litle or nothing woorthie of memorie had bene performed in former ages; but mounting aloft by the space of many hundred yeeres, have brought to light many very rare and worthy mojnuments, which long have lien miserably scattered in mustie corners, & retch|lesly hidden in mistie darkenesse, and were very like for the greatest part to have bene buried in perpetuall oblivion. The first Volume of this worke I have thus for the present brought to light, reserving the other two vntill the next Spring, when by Gods grace they shall come to the Presse. In the meane season bethinking my selfe of some munificent and bountifull Patrone, I called to mind your honorable Lordship, who both in regard of my particular obliga tion, and also in respect of the subject and matter, might justly chalenge the Paltronage thereof. For first I remembred how much I was bound, and how deep by indebted for my yongest brother Edmund Hackbuyt, to whom for the space of foure whole yeeres your Lordship committed the government and instruction of that honorable yong noble man, your sonne & heire apparant, the lord Will liam

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Howard, of whose high spirit and wonderful towardlinesse full many a time hath he boasted vnto me. Secondly, the bounden duetie which I owe to your most deare sister the lady Sheffield, my singular good lady & honorable mistresse, admonished me to be mindfull of the renoumed familie of the Howards. Thirdly, when I found in the first Patent graunted by Queene Marie to the Moscouie companie, that my lord your -ather being then lord high Admirall of England, was one of the first fauourers and furtherers, with his purse and countenance, of the strange and wonderfull Discouerie of Russia, the chiefe contents of this preject Volume, then I reme-bred the sage saying of sweet Isocrates, That sonnes ought not onely to be inheriters of their fathers substance, but also of their commendable vertues and honours. But what speake I of your ancestors honors (which to say the trueth, are very great, and such as our Chronicles have notably blazoned) when as your owne Heroicall actions from time to time have shewed themselves so admiralble, as no antiquitie hath affoorded greater, and the future times will not in haste (I thinke) performe the like. To come to some particulars, when the Emperors sister, the spouse of Spaine, with a Fleete of an 130, sailes, stoutly and proudly passed the narow Seas, your Lordship accompanied with ten ships onely of her Maiesties Nauie Rolall, enuironed their Fleet in most strange and warrelike sort, enforced them to stoope gallant, and to valle their bonets for the Queene of England, and made them perfectly to vnderstand that olde speach of the prince of Poets;

Non illi imperium pelagi saeuúm{que} tridentem, sed tibi sorte datum.

HONORABLE MY SINGV-LAR GOOD LORD, THE LORD

CHARLES HOVVARD, Erle of Notingham, Baron of Effingham, Knight of the noble Order of the Gatter, Lord high Admirall of England, Ireland, and Walts, No. one of the Maichles

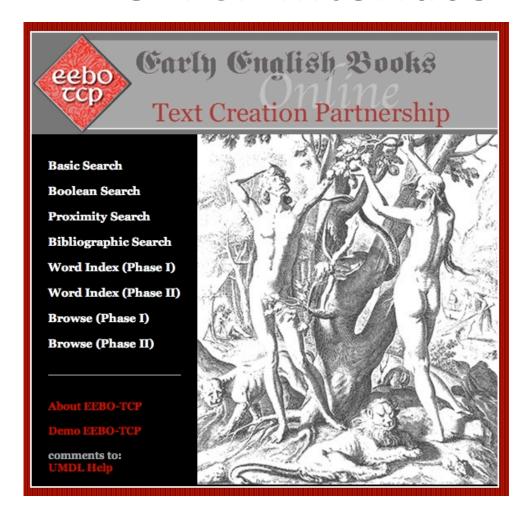


Ight Honourable and my very good Lord, after I had long fince published in Print many Naingations and Discoueries of Strangers in discreti languages, as well here at London, as in the citie of Paris, during my fine veres abode in France, with the woorthie knight bit. Stefaned Staffard your bother in lawe, her Maichlies most prudent and carefull Ambastador ligher with the Franch Kings and had waded on fillifarher and farther in the freet fluid of the historie of Cofmographic, I began at length to conceive, that with disliberation of the control of the cont

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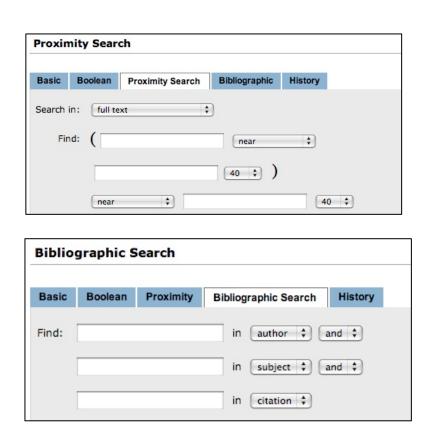
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Demo: University of Michigan's EEBO-TCP Interface



Demo: University of Michigan's EEBO-TCP Interface

Basic Search Boolean Proximity Bibliographic History Find: Tip: work* finds "worker," "working," etc. war and peace finds "war and peace" More tips Limit to: in author \$\displayset{author}\$ Search Check collections to add them to a search. Visit the collection Home site for more information, and for more search uncheck all check all		Bookbag	Help	
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Demo: University of Michigan's EEBO-TCP Interface



Page 1

THE FIRST VOLVME OF THE principall Nauigations, Voyages, Traffiques, and Discoueries of the English nation, made to the North and Northeast quarters of the World, with the directions, letters, priuiledges, discourses, and observations incident to the same.

Certeine testimonies concerning K. Arthur and his conquests of the North regions, taken out of the historie of the Kings of Britaine, written by Galfridus Monumetensis, and newly printed at Heidelberge, Anno 1587.

Lib. 9. cap. 10.

ANno Christi, 517. Arthurus, secundo regni sui anino, subiugatis totius Hyberniae partibus, claslem suam direixit in Islandiam, eamque debellato populo subiugauit. Exin diuulgato per caeteras insulas rumore, quod e• nulla Prouinicia resistere poterat, Doldauius rex Gotlandiae, & Gunfacius r•x Orcadum vltrò venerunt, promissoque vectigali subiectilonem feceiunt. Emensa deinde hyeme, reuersus est in Briltanniam, statúmque regni in firmam pacem renouans, moiram duodecim annis ibidem fecit.

The same in English.

IN the yere of Christ, 517. king *Arthur* in the second yeere of his reigne, having subdued all parts of *Ireland*, sailed with his fleet into *Island*, and brought it and the people thereof vnder his subjection. The rumour afterwards being spread thorowout all the other Islands, that no countrey was able to withstand him, *Doldauius* the king of *Gotland*, and *Gunfacius* the king of *Orkney*, came voluntarily vnto him, and yeelded him their obedience, promising to pay him tribute. The Winter being spent, he returned into *Britaine*, and establishing his kingdome in perfect peace, he continued there for the space of twelve yeres.

Lib. 9 cap. 12.

MIssis deinde in diuersa regna Legatis, inuitantur tam ex Gallijs, quam ex collatetalibus Insulis Oceani, qui ad curiam venire deberent, &c. Et paulò post: Ex collateralibus au/tem Insulis, Guillaumurius rex Hyberniae, Maluasius rex Islandiae, Doldauius rex Gotlandiae, Gunnasius rex Orchadum, Lot rex Noruegiae, Aschilius rex Danorum.

The same in English.

Which meets your needs? Try it...

In both interfaces...

- Try a keyword/full text search for "cookery"
- Try searching within verse for "love"

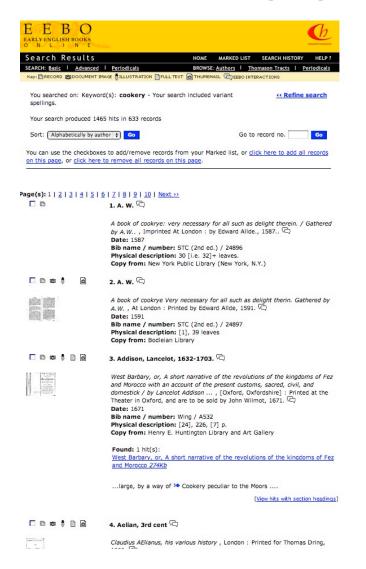
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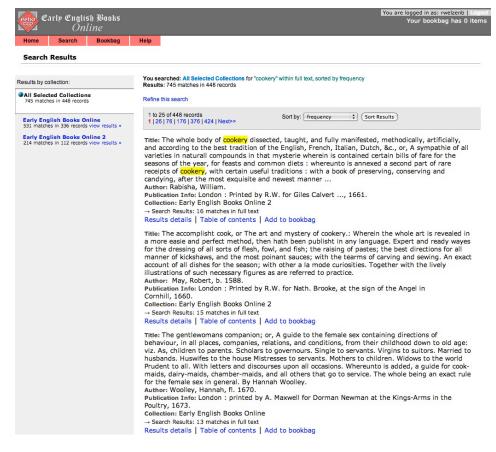
- Try it with and without spelling/form variants allowed in EEBO
- Try changing the limits in EEBO (all items, full text only, etc.)

What do you find?

- Questions?
- Frustrations?
- Inconsistencies?
- Do you find you have a clear preference for one over the other?

Different search results





Which one do I use?

ProQuest's EEBO Interface

- search more than 120,000 books,
 whether or not they have full text
- Use fuzzy spelling or variant searching
- Easily download/print sections of a work as a PDF

University of Michigan's TCP Interface

- Only search works with keyed full text
- Get most up-to-date batch of texts
- Some more precise searching options (e.g. proximity, sorting by frequency)

Both can: move between text and image view, display table of contents, restrict search to certain areas or kinds of text (e.g. letters, drama, verse, etc.)

Big picture: many of the same capabilities, some differences. Use what you're comfortable with and what meets your needs. If something seems missing from one, try the other. Be aware that both—and any interface—will cause things to look and behave slightly differently, even with the same data underneath

What's going on behind the scenes?

Two key components:

- Accurately transcribed text
- Structural markup: XML (more precisely, SGML)

That is: tags that explicitly describe the structure of a document, allowing a computer to "read" and understand the relationship of parts of the text to one another, just as we have learned to do when looking at a page

SGML Markup

```
<BODY>
<DIV1 TYPE="book">
<PB REF="1">
<HEAD>THE EPISTLE OF PAVL TO PHILEMON.
<ARGUMENT>
<P>1 Paul handling a base and small matter, yet according to his maner mounteth aloft vnto God. 8 Sending againe to
Philemon his vagabound and theeuish seruant, he enltreateth pardon for him, and very grauely preacheth of Christian
equitie.</P></ARGUMENT>
P N="1">PAul a prisoner of Iesus Christ, and
<HI>our</HI> brother Timotheus, vnto Philemon our deare friend, and fellow helper,</P>
<HI>our</HI> deare
HI>sister
Apphia, and to Archippus our fellow souldier, and to the Church that is in thine house:
<P N="3">3 Grace
<HI>be</HI> with you, and peace from God our Father, and
<HI>from</HI> the Lord Iesus Christ.</P>
<NOTE PLACE="marg1" N="*">1.<HI>Thes.</HI> 1.2. 2.<HI>thes.</HI>1.3.</NOTE>giue thankes to my God,
making mention alwayes of thee in my prayers,</P>
N="5">5 (When I heare of thy loue and faith, which thou hast toward the Lord Iesus, and tolward all Saints.)
NOTE PLACE="marg2" N="a">By fellowship of faith, he meaneth those dueties of charitie which are bestowed
vpon the Saints, and flowe forth of an effectuall faith. NOTE fellowship of thy faith may bee made effectuall, and that
whatsoeuer good thing is in you through Christ Iesus, may bee
<NOTE PLACE="marg2 N="b"">That by this meanes al men may perceive how rich you are in Christ, to wit, in faith,
charitie, and all bountifulnesse.</NOTE>knowen.</P>
N="7">7 For wee haue great ioy and consolation in thy loue, because by thee, brother, the Saints
<NOTE PLACE="marg2" N="c">Because thou diddest so dutifully and cheerefully relfresh the Saints, that they
conceiued inwardly a marlueilous ioy: for by this word (Bowels) is meant not onely the inward feeling of wants and
miselries that men haue one of anothers state, but also that ioy and comfort which entreth into the very bowels, as though
the heart were refreshed and comforted.</NOTE>bowels are comforted.</P>
N="8">8 Wherfore, though I be very bold in Christ to command thee, that which is conuenient,
<NOTE PLACE="marg3" N="1">An example of a Christian exercise & Christian
man.</NOTE>
<HI>Yet</HI> for loues sake I rather beseech thee, though I be as I am, euen Paul aged, and euen now a prisoner for
Iesus Christ.</P>
<P N="10">10 I beseech thee for my sonne
<NOTE PLACE="marg1" N="*">
<HI>Colos</HI> 4.9.
NOTE> Onesimus, whom I have begotten in my bonds,
N="11">11 Which in times past was to thee vnprofiltable, but now profitable both to thee & amp; to me.
<P N="12">12 Whom I have sent againe: thou therelfore receive him, that is mine owne
<NOTE PLACE="marg2" N="d">As mine owne sonne, and as if I had begotten him of mine owne
body.</NOTE>bowels.</P>
<P N="13">13 Whom I would have reteined with me, that in thy stead hee might have ministred vnto me in the bonds
of the Gospel.</P>
```

Pauls ioy.

To the Hebrewes.

Christs excellencie.

THE EPISTLE OF PAVL TO PHILEMON.

1 Panil handling a half and final matter, yet according to
13 Whom I would have reteined with me,
14 Thilemn by regulated and themself ferman, he rethat in thy flead hee might have ministed with
me in the bonds of the Cofeel. treateth parties for him , and very gravely prescheth of Christian equation



Aul a prifoner of Iefus Chrift, vnto Philemon our deare friend, and fellow helper, 2 And to our deare fifter

our fellow fouldier, and to the Church that is me : how much more then vato thee, both in in thine house : Grace be with you, and peace from God

our Father, and from the Lord Iefus Chrift.

4 1 *giue thankes to my God, making mention alwayes of thee in my prayers, 5 (When I heare of thy loue and faith, which thou half toward the Lord Lefus, and to-

ward all Saints.)

6 That the fellowship of thy faithmay foliate Lawrence bee made effectuall, and that whatfoeuer good thing is in you through Christ Iefus, may bee

7 For wee have great joy and confolation in thy loue, because by thee, brother, the Saints bowels are comforted. 8 Wherfore, though I be very bold in Christ

the same to command thee, that which is conuenient, 9 'Ter for loues fake I rather beforech thee,
given with you.

23 There falute thee Epaphras my fellow though I be as I am, even Paul aged, and even now a personer for Lefus Christ.

10 I befeech thee for my fonne Onefimus, whom I have begotten in my bonds,

1 1 Which in tunes past was to thee vnprofitable, but now profitable both to thee & to me. 12 Whom I have fent againe: thou therefore receive him, that is mine owne dbowels.

14 But without thy mind would I doe nothing, that thy benefit should not be as it were of necessitie, but willingly.

featon, that theu flouldft receive him for ever, 16 Not now as a feruant, but about a fer- many uant, enen as a brother beloued, especially to Apphia, and to Archippus

> the b flesh and in the Lord? 17 If therefore thou count our things common, receiue him as my felte.

> 18 If he hath hurt thee, or oweth thee ought thas put en mineaccounts.

19 1 Paul haue written this with mine owner hand: I will recompense it, albeit I doe not say to thee, that thou owest moreouer ynto mee e-

uen thine owne felfe. 20 'Yea, brother, let me obteine this plea- ! God brober fure of thee in the Lord: comfort my bowels in in the Lord: the Lord.

21 Trufting in thine obedience, I wrote vnto thee, knowing that thou wilt doe euen more

them I fay. 22 Moreoueralfo prepare me lodging: for I trust through your prayers I shall bee freely

prisoner in Christ Iesus, 24 Marcus, Aristarchus, Demas, and Luke

my fellow helpers 25 The grace of our Lord Iclus Christ, bee with your spirit, Amen.

Weitten from Rome to Philemon, and fent by Onclimus a fernant.

THE EPISTLE TO THE HEBREWES.

The drift and end of this Epifle, is to fire w that left we first the Some of God both God and man is that true eternal & only Prophet, King and high Proft, that was foodowed by the figures of the old lew, and is some in deed exhibited of whomshe whole Courchough to be taught governed, Cantified.

CHAP. I. Tafarrealisat the defining which thereis brought, is made excellent, author to relighisting pp of all professors, a thore is relighisting pp of all professors of the deducted him above the Angels? 10 And from well by there refinement of the Scripture, that her farre.

olde time to our fathers by the Prophets : in these . latt dayes heem... by his b Sonne, dayes hee hath spoken vnto vs

sally more per-smed that that God after a fore & in shadowes signified by his Prophece, and hach

2 *Whome hee bath made * heire of all

things, by whom also he made the worlds,
3 "Who being the brightnes of the glory, and the ingraued forme of his person, & & bearing vp all things by his mighty word, hath by himfelfe purged our finnes, and hitteth at the himselfe purged our finner, and himselfe purged our finner, and hitseth at the right hand of the maiestie in the highest places,

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Document analysis exercise

- Pick a printout or several
- Work in small groups
- Identify elements of the document's structure: what can you tell by looking at the page that a computer wouldn't know? What information would you want to have pulled out?
- Do you agree about what is important to tag, and how to categorize it?

What is the point of all of this?

- An interface/program can only work with what information you give it in the first place
- Our goal is to produce a lot of high-quality data that can more or less be generally agreed upon. This gives a search engine something useful to grab onto, but also leaves room for further enhancements
- We turn wheat into flour, and hope you'll make bread

Examples of new projects built on TCP data

- Specialized scholarly editions:
 <u>The Holinshed Project</u>
- Alternative search/display interfaces:
 PhiloLogic @NU
- Additional analysis: Monk Workbench
- Thematic groupings/websites:
 Witches in Early Modern England
- For readable, scholarly comments on text analysis: <u>Ted Underwood's blog</u>

EEBO-TCP in the classroom

- Sample assignments: <u>http://www.lib.umich.edu/tcp/eebo/scholarship.html</u>
- 2012 Spring Term course on history of taste: mining EEBO- and ECCO-TCP for recipes
- Document analysis?

Critical Thinking: Reading the Database

What problems, gaps, shortcomings do you see? (in the interfaces we looked at or in the data underneath)

What would you/do you warn your students about when encouraging them to use EEBO or TCP?

Further questions/discussion

- Please get in touch if we can be of help with your research, or with an assignment in your classroom (happy to give targeted overviews/ presentations)
- Thanks and good luck!
- Please fill out the evaluation: http:// www.umich.edu/~teachtec/es.html