

<sonnet> <octave (Almost) An Example <quati <lir beating still</line> Mark up a sonnet – twice <lir Once with verse structure Mozilla Firefox <1ir Once for grammar/phrasing </qua <quati — then merge them file:///C:/Users/...ions/goddag-1.svg octave sestet teathered glory from her quatrain tercet couplet And how can body, laid in th line>But feel the strange heart b </quatrain> </octave> <sest <sonnet><s><phr>A sudden <te Above the staggering of 1, </phr By the dark webs, <phr>He holds her pless breas <s><phr>How can those terrified The feathered glory from her loo <s><phr>And how can body,</phr> <phr>But feel the strange heart <s><phr>A shudder in the loins ex The broken wall, </phr> <phr>the And Agamemnon dead.</phr></s> <s </ses <phr>So mastered by the brute bl </sonn <phr>Did she put on his knowledg

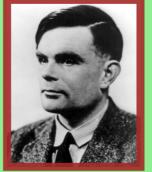
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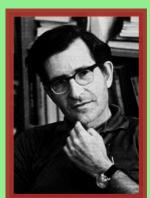
File Edit View History Bookmarks Tools Help 3 Google http://raven:8888/cocoon/lmnl/clix-sonnets/ledaandswan-map.svg http://raven:88...andswan-map.svg × William Butler Yeats Leda and the Swan A sudden blow: the great wings beating still Above the staggering girl, her thighs caressed By the dark webs, her nape caught in his bill, He holds her helpless breast upon his breast. How can those terrified vague fingers push The feathered glory from her loosening thighs? And how can body, laid in that white rush, But feel the strange heart beating where it lies? A shudder in the loins engenders there The broken wall, the burning roof and tower And Agamemnon dead. Being so caught up, So mastered by the brute blood of the air, Did she put on his knowledge with his power Before the indifferent beak could let her drop?

So why only "almost"? Merging them isn't so easy: XML doesn't do overlap

How much do you know?



Turing



von Neumann



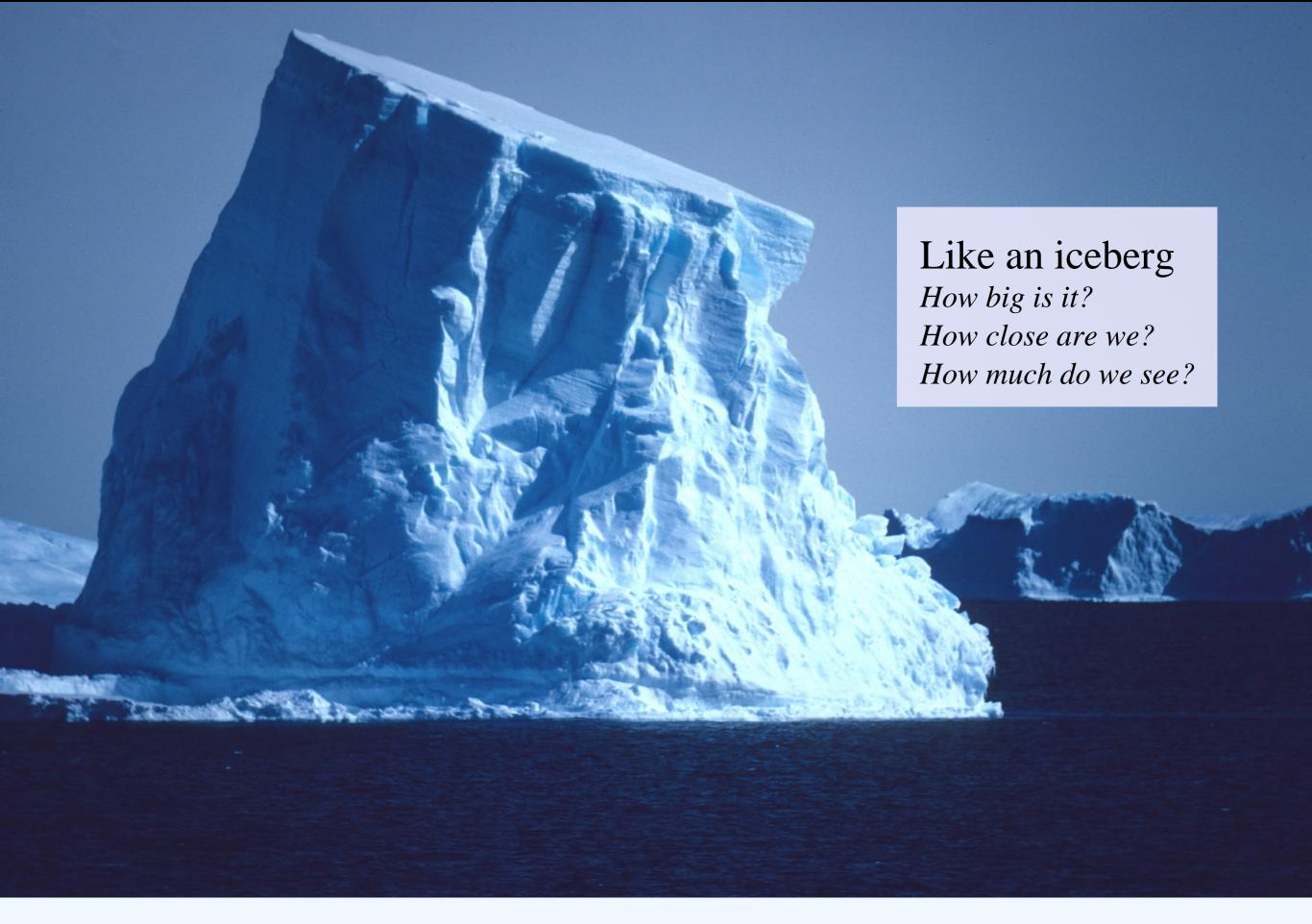


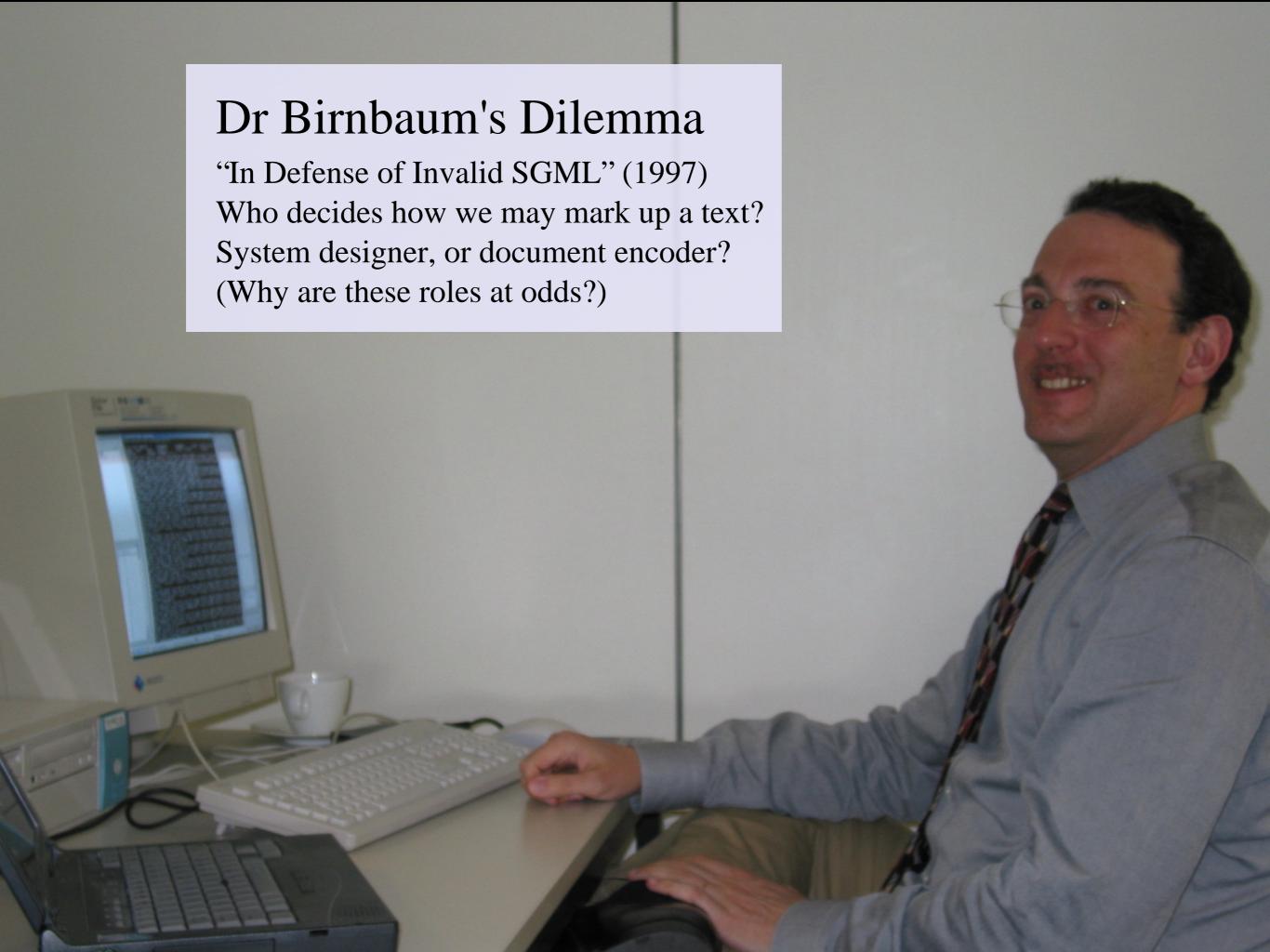
**Melanie Carlstad** 



**Abby Carlstad** 

Should you have to be an expert in formal languages to use markup technologies successfully?





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### Call this the "fractal geometry of information" (after Benoit Mandelbrot, The Fractal Geometry of Nature)

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SARTOR RESARTUS.

An ironic man, with his sly stillness, and ambuscading ways, more especially an ironic young man, from whom it is least expected, may be viewed as a pest to society. Have we not seen persons of weight and name, coming forward, with gentlest indifference, to tread such a one out of sight, as an insignificancy and worm, start ceiling-high (balkenhoch), and thence fall shattered and supine, to be borne home on shutters, not without indignation, when he proved electric and a torpedo!"

Alas, how can a man with this devilishness of temper make way for himself in life; where the first problem, as Teufelsdröckh, too, admits, is "to unite yourself with some one and with somewhat (sich anzuschliessen)?" Division, not union, is written on most part of his procedure. Let us add, too, that, in no great length of time, the only important connexion he had ever succeeded in forming, his connexion with the Zähdarm family, seems to have been paralyzed, for all practical uses, by the death of the "not uncholeric" old Count. This fact stands recorded, quite incidentally, in a certain Discourse on Epitaphs, huddled into the present bag, among so much else; of which essay the learning and curious penetration are more to be approved of than the spirit. His grand principle is, that lapidary inscriptions, of what sort soever, should be historical rather than lyrical. "By request of that worthy nobleman's survivors," says he, "I undertook to compose his epitaph; and, not unmindful of my own rules, produced the following; which, however, for an alleged defect of Latinity, a defect never yet fully visible to myself, still remains unenGETTING UNDER WAY.

graven;" - wherein, we may predict, there is more than the Latinity that will surprise an English reader.

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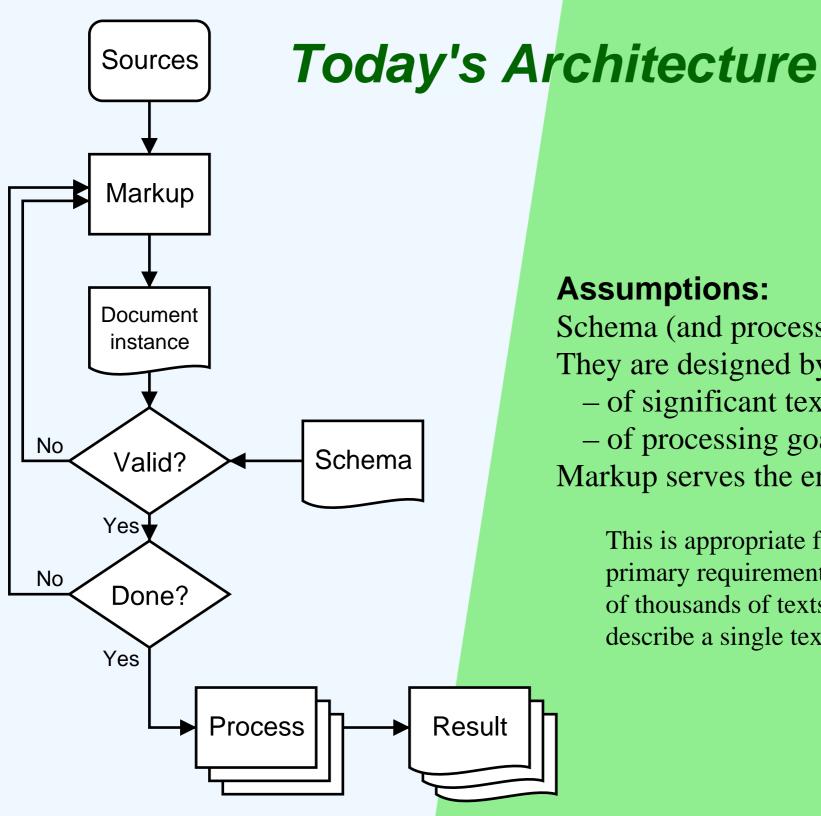
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### **Assumptions:**

Schema (and processes) are complete and fixed They are designed by experts with prior knowledge

- of significant textual features and phenomena
- of processing goals

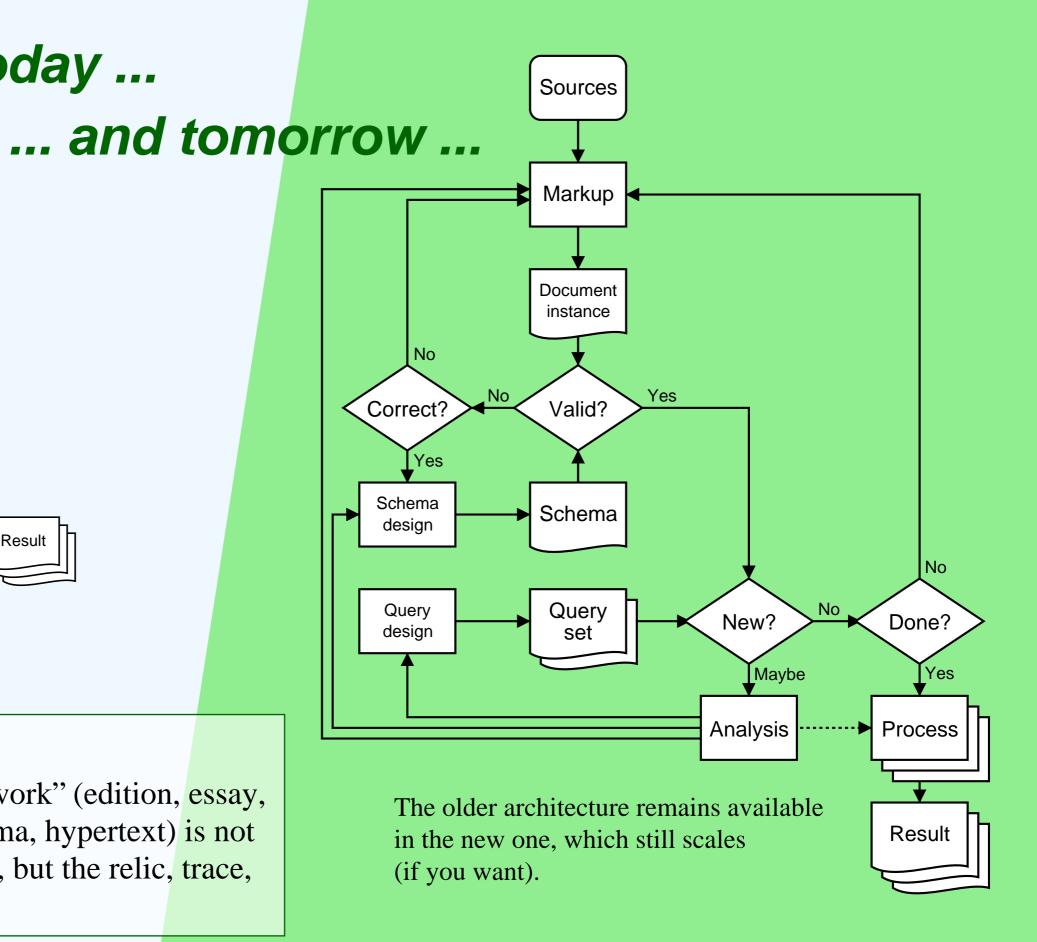
Markup serves the end of "production"

This is appropriate for publishing systems, whose primary requirement is to scale up to hundreds of thousands of texts of a given type, not to describe a single text sui generis.

Today ... Sources Markup Document instance Schema Valid? Yes Done? Yes **Process** Result

#### Thesis:

An interpretive "work" (edition, essay, monograph, schema, hypertext) is not a hermeneutic act, but the relic, trace, or residue of one.



## — Desiderata —

Openness and accessibility
Gentle learning curve
Build on current infrastructure

Data model supporting arbitrary overlap

One or more hierarchies, or none

Flexible and extensible standard schemas

Ad-hoc schemas

More than one schema per document

Extensible annotation framework
Annotations can be structured and tagged

Forms of scholarship enabled by markup
"Basis" (or "platform") editions, anthologies and collections
Scholarly editions (genetic, variorum, critical, etc.)
Networked annotation applications for research and classroom
Innovative modeling for "synoptic" and "hermeneutic" work
Allowing us to trace the evolution of textual structure

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