



# Bodleian Library - Oxford University

This project was started by the Library over fifty years ago to catalogue all their incunable books (printed before 1501). The data was originally collated on slips, then transferred to word-processor package Sprint in the 1990s (see Fig 1.).

In order to solve the problem of producing the catalogue from Sprint, AMA DataSet designed and supplied two editorial systems, using FileMaker Pro database software to control the data.

The first editorial stage was a linear database which took all 250,000 lines from Sprint directly into individual records. This allowed the cataloguing team to search and list individual lines across the complete catalogue in seconds, which had not been possible with Sprint. This editorial stage lasted for several months with the entry format and coding remaining the same as used by Sprint with additional features for checking of codes.

At the second editorial stage (see Fig. 2.) the data was structured into catalogue entries and fields with related databases for manuscript copy and their entry sections. This database still included the original Sprint codes to facilitate use of the system by four or more editors.

In order to maintain data integrity and achieve maximum portability in the future it was decided to use SGML (see Fig. 3.). The advantage with using this coding is that it allows the structured data to be used in any future project, without the cost and time of returning to the original Sprint data files.

Following approval of the typography and page layout, prepared by Oxford University Press, AMA then set up page templates using Advent 3B2, a SGML composition and pagination software, essential for this complex project.

In order to allow the editorial team full flexibility in proofing pages (see Fig. 4.), AMA designed and implemented a remote pagination and proofing system. This meant an entry could be altered or corrected by any member of the cataloguing team, and a PDF of one page or any number of pages would be generated within seconds of pressing the print key. This was achieved by sending the SGML data from Bodleian's editorial system to AMA's pagination system in Preston using the Internet as a data carrier (see Fig. 5.). Thus pages could be checked immediately and further amendments made as required, using this dedicated remote pagination and proofing system, thus saving many weeks of conventional proofing.

```
@NUMBER(1-045);
@HEAD(ISOCRATES);
@TEXT{Letter addressed to Demonicum. Plutarchus: De liberis educandis. S. Hieronymus: De officiis liberorum erga parentes. Johannes Sulpicius Uerulanus: De moribus puerorum. Ps. Vergilius: De vino et Venere; De littera V; De Musarum Inventis. Martialis. Carmen ad seipsum. Augustinus Tactensis: Epistola Laurentio Venturino.}
@LOCUS(ad-1210+tr1)
@AUTHOR(AUGUSTINUS TACTENSIS)
@WORK{Letter addressed to } @DEDICATEE(Laurentius Venturinus.)
@INCIPIT@{Incipit}: 'Colum nonnulla scripta diuersis ab auctoribus ...'
@STANDARDREDITION(L. Gualdo Rosa, 'Niccolò Loschi e Pietro Perleone e le traduzioni dell'orazione pseudo isocratea "A Demonicum"', @ifatti dell'Istituto Veneto di Scienze, Lettere ed Arti, 151 (1972-3), 825-56, at 851-3.)
@LOCUS(ad-1210+tr1)
@AUTHOR(ISOCRATES [pseudo-])
@WORK{Praecepta ad Demonicum.} @TEXT{Libellus de adolescentium institutione Demonic Iponici filio conscriptus.}
@TRANSLATOR(Translated by Nicolaus Luschus.)
@INCIPIT@{Incipit}: 'Pluribus quidem in rebus, o Demonic, valde differentes ...'
@MULTIHSHIFKA translation of Isocrates' oratio 1.}
C:\pdfs\N1801-650.spr Ins 7:53am Ln.2461 of 2757 Col.0
```

Fig 1. Word-processor 'Sprint', used to gather initial data, 20 million characters with in-house coding

Fig 2. Relational database created by AMA DataSet to enable creation of SGML and on-line proofing

```
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<letter 1/>letter
<head_group>
<head_number>1-045</head_number>
<head_head>b Isocrates</b></head_head>
<head_title>i Praecepta ad Demonicum, et al.</i></head_title>
</head_group>
<locus_group>
<locus>
<locus_locus>{sup}2/</sup></locus_locus>
<locus_author>Augustinus Tacensis</locus_author>
<locus_work>{Letter addressed to}</locus_work>
<locus_dedicattee>Laurentius Venturinus</locus_dedicattee>
<locus_incipit>i Incipit</i> &lsquo;Colum nonnulla scripta diuersis ab auctoribus ...&rsquo;
<locus_standardedition line="bk">L. Gualdo Rosa, &lsquo;Niccolò Loschi e Pietro Perleone e le traduzioni dell'orazione pseudo isocratea "A Demonicum", &rsquo; Atti
</locus>
<locus>
<locus_locus>{sup}3/</sup></locus_locus>
<locus_author>Isocrates [pseudo-]</locus_author>
<locus_work>Praecepta ad Demonicum</locus_work>
<locus_dedicattee>Laurentius Venturinus</locus_dedicattee>
<locus_incipit>i Incipit</i> &lsquo;Pluribus quidem in rebus, o Demonic, valde differentes ...&rsquo;
<locus_authorship> Translation of Isocrates, oratio 1.</locus_authorship>
<locus_standardedition line="bk">See Gualdo Rosa, &lsquo;Niccolò Loschi e Pietro Perleone e le traduzioni dell'orazione pseudo isocratea "A Demonicum", &rsquo; Atti
</locus>
<locus>
<locus_locus>{sup}2/</sup></locus_locus>
<locus_author>Guarinus Veronensis</locus_author>
<locus_anonwork>{Preface dedicated to}</locus_anonwork>
<locus_dedicattee>Augustinus Cornelianus</locus_dedicattee>
<locus_standardedition line="bk">Guarinus Veronensis, &lsquo;Epistolario</i>, ed. Rema
</locus>
<locus>
<locus_locus>{sup}2/</sup></locus_locus>
</locus_group>
</entry>
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Fig 3. Fully structured code

Fig 4. Final page entry for page 1448 of 3096 in the Incunable Catalogue

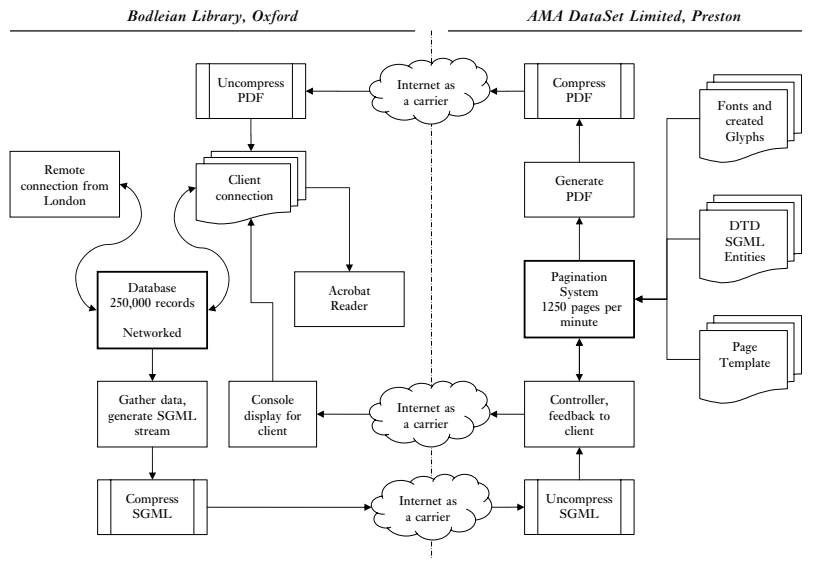


Fig 5. Flow diagram of the remote pagination and proofing from the Bodleian Library to AMA DataSet

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