Word for Windows Reference Database

Version 0.1

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This document contains two Word for Windows macros which implement a database. It is intended to perform the same sort of job as either BibTEX or UN*X refer, however as I wrote it primarily for my own use it doesn't try to duplicate all of their functionality. In particular, this package doesn't "understand" references in the way that either of the above do, and doesn't provide any formatting of them. Nor are there reference "styles" (e.g. \bibliographystyle equivalents), so you can't produce an abbreviated bibliography from the same source as a full bibliography. Another fairly major disadvantage is speed – Word insists on updating the screen while running a macro, and this causes things to go rather slowly. If anyone knows a way round this, I'd be very interested to hear it!

Installation

The text of the macros is shown below. Two bookmarks are set up to point to the two macros (use Edit / Go To). Simply cut and paste them into an appropriate template. If you want to, they can be bound to a menu entry or a key. The glossary entry "RefFile" should be set up to point to the reference database you want to use (this is simply a W4W document).

Constructing a Reference Database

Reference databases are simply a set of paragraphs of the form

[]

The only bit of this that is required is the sequence of fields at the start (use View / Field Codes to see them). The first field sets a bookmark "Bloggs91a" to be the next number in the sequence "Reference". The next field references it, so that the number appears in the bibliography itself. The bookmark name may take any form, however it is sensible to choose a mnemonic one. The macro "InsertBibEntry" will create entries of this form. The text after these fields may take any form whatsoever. The "ResolveRefs" macro simply inserts this text verbatim into the document.

Resolving References

When writing a document which contains references, simply place a field of the form [] (use View / Field Codes again) in the document. Place a bookmark "References" in the document where you want the bibliography to appear[*]. Then run the "ResolveRefs" macro, and watch it all happen.

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[*] It is necessary for this bookmark to contain some text. I suggest a carriage return (¶).

Guarantee

None whatsoever! If these macros trash your hard disk, tough! I'll try to fix any bugs you might find, but I'm supposed to be writing a thesis, so I may not have much time.

Distribution

Feel free to distribute this document freely. All I ask is that you keep my name in the comments of the macros and at the top of this document. If you make any improvements, I'd love to seem them.

```
' ResolveRefs
' ========
'
' © 1991 Paul Butcher.
'
' Description: Resolves any references within a document by reading them from a reference database.
' Dependencies:
'
'
'
'
'
[{set <name> {seq Reference}}{ref <name>}] . . .
'


Dim Shared Refs$(256)
' Array where refs are stored.

Sub MAIN




MsgBox "No References Bookmark", "Error", 48

ViewFootnotes logOldFootnotes

Goto DoneResolveRefs
```

```
If NextField() = 0 Then

If f = 1 Then

ViewFootnotes 1

f = 0

StartOfDocument

Goto NotRef

Else

Goto DoneRefs

End If

End If

t$ = Mid$(Selection$(), 2, Len(Selection$()) - 2)

If LCase$(Left$(t$, 3)) <> "ref" Then Goto NotRef

t$ = Right$(t$, Len(t$) - 4)

While Left$(t$, 1) = " "

t$ = Right$(t$, Len(t$) - 1)

Wend

If Not IsIn(t$, x) Then

x = x + 1

Refs$(x) = t$

End If
NotRef:

DoneRefs:
' x contains no. of references found
```

```
If ExistingBookmark(Refs$(y)) Then

EditGoTo Refs$(y)

ParaUp 1

ParaDown 1, 1

EditCopy

Spike

EditPaste

End If
```

Window1

Window2

Window3

Window4

Window 5

Window 6

Window 7

Window 8

Window 9

DoneResolveRefs:
End Sub

Function IsIn(r$, n)
' Returns 1 if r$ is in first n references.

If Refs$(x) = r$ Then

IsIn = 1

Goto DoneIsIn

End If

DoneIsIn:
End Function

' InsertBibEntry
' ===========
'
' © 1991 Paul Butcher.
'
' Description: Places a formatted reference into a document.

```
Sub MAIN




"




End Sub
```