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The
biblatex-philosophy
bundle

v1.4 – 2016/03/10

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If you have any questions, feedback or requests please email me at `ivan dot valbusa at univr dot it`. If you need specific features not already implemented, remember to attach the example files.

User's Guide to biblatex-philosophy

Bibliography styles for (Italian) users of biblatex

v1.4 – 2016/03/10

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Abstract

This package provides a small collection of bibliography and citation styles for use with Philipp Lehman's `biblatex` package. These styles aim to match the needs of the Italian writers, particularly those concerned in the humanities (for example the comma is used to distinguish the units of the entry). They offer some useful features to compose detailed bibliographic entries including the translation data of foreign texts, annotations etc. Many options allow you to change the style defaults. Only the Italian, English and Spanish localization is available for now but you can use the styles with all the languages supported by `babel` (or `polyglossia`) adding simple redefinitions.

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A brief history

The first step toward the creation of the `philosophy-modern` style was the request of Lorenzo Pantieri in the \LaTeX Forum: <http://www.guit.sssup.it/phpbb/viewtopic.php?t=6472> (See the discussion on <http://www.guit.sssup.it/phpbb/viewtopic.php?t=6717>.) Now this is the bibliography style of *L'arte di scrivere con \LaTeX* , the most popular Italian guide to \LaTeX (Pantieri and Gordini 2011).

I would like to thank who took part in the debate on \LaTeX Web site and the authors of the styles which inspired `biblatex-philosophy`, specifically: Dominik Waßenhoven (2011), James Clawson (2010) and Sander Gliboff (2010).

1 Use

The styles can be loaded as usual. To ensure Italian-style quotation marks, you need to call the `babel` and `csquotes` packages in the preamble of your \LaTeX document:

```
\usepackage[italian]{babel}
\usepackage[style=italian]{csquotes}
\usepackage[style=philosophy-⟨style⟩,backend=biber]{biblatex}
\addbibresource{⟨bibfile⟩.bib}
```

Replace `⟨style⟩` with `classic`, `modern` or `verbose`, and `⟨bibfile⟩` with the name of your bibliography file (“`.bib`” must be declared). See the example files in the `texmf-dist/doc/latex/biblatex-philosophy/examples.zip` folder.

To uniform the style of quotation marks in multilingual bibliographies typeset using the `babel=other` package option, you can use the `\DeclareQuoteAlias` command:

```
\DeclareQuoteAlias{italian}{german}
```

The philosophy styles require `biber` so remember to configure your editor to use it. If you prefer `bibtex` you have to declare it with the `backend=bibtex` option but some bibliography drivers will not work properly.

2 The styles

2.1 philosophy-classic

The `classic` style is a standard author-year style associated to a compact citation scheme which allows to cite multiple entries of the same author and/or published in the same year, omitting some redundant informations:

Knuth (1984, 1986a,b,c,d)

- Donald E. Knuth (1984-1986), *Computers & Typesetting*, 5 vols., Addison-Wesley, Reading, Mass.
- (1984) *Computers & Typesetting*, vol. A: *The T_EXbook*, Addison-Wesley, Reading, Mass.
 - (1986a) *Computers & Typesetting*, vol. B: *T_EX: The Program*, Addison-Wesley, Reading, Mass.
 - (1986b) *Computers & Typesetting*, vol. C: *The METAFONTbook*, Addison-Wesley, Reading, Mass.
 - (1986c) *Computers & Typesetting*, vol. D: *METAFONT: The Program*, Addison-Wesley, Reading, Mass.
 - (1986d) *Computers & Typesetting*, vol. E: *Computer Modern Typefaces*, Addison-Wesley, Reading, Mass.

2.2 philosophy-modern

The `philosophy-modern` style uses the `philosophy-classic` style for the citations but produces a fancy bibliography divided into blocks, which is particularly suited for bibliographies with many entries for the same author:

Donald E. Knuth

- 1984/1986 *Computers & Typesetting*, 5 vols., Addison-Wesley, Reading, Mass.
- 1984 *Computers & Typesetting*, vol. A: *The T_EXbook*, Addison-Wesley, Reading, Mass.
- 1986a *Computers & Typesetting*, vol. B: *T_EX: The Program*, Addison-Wesley, Reading, Mass.
- 1986b *Computers & Typesetting*, vol. C: *The METAFONTbook*, Addison-Wesley, Reading, Mass.
- 1986c *Computers & Typesetting*, vol. D: *METAFONT: The Program*, Addison-Wesley, Reading, Mass.

2.3 philosophy-verbose

This style is aimed for citations given in the footnotes and follows the most popular scheme used in the Italian humanities.

It prints a full citation similar to a bibliography entry when an item is cited for the first time, and a short citation afterwards, using the title (possibly shortened in the `shorttitle` field), followed by the string “cit.”. Citing the same entry two times, in the second one the string “Ivi” is used; citing the same place of the previous citation you will have “Ibidem”:

¹ Cfr. Cartesio, *Discorso sul metodo*, trad. e introd. di Lucia Urbani Ulivi, 1^a ed., testo francese a fronte, Bompiani, Milano 2002, p. 43.

² Ivi, p. 26.

³ Ibidem.

⁴ Settimo Termini, «Vita morte e miracoli di Alan Mathison Turing», in *Vite matematiche. Protagonisti del '900 da Hilbert a Wiles*, a cura di Claudio Bartocci *et al.*, Springer-Verlag Italia, Milano 2007, pp. 59-61.

⁵ Cartesio, *Discorso sul metodo* cit., p. 35.

When there is only one entry for the same author, with the `singletitle=true` option the string “op. cit.” is used instead of the (short) title followed by “cit.”:

⁶ Cartesio, op. cit., p. 35.

All the scholarly abbreviations (*latinities*) but “cit.” are printed by default in normal font. With the `latinemph` option (section 4.2.2) you can get them in italic shape.

3 Specialities

The first simple and trivial characteristic of these style is that they use commas instead of dots to separate the parts of the entry, according to the most common Italian tradition. But they do much more, of course.

3.1 Related entries

The philosophy styles use the mechanism provided by the `related` field to typeset complex entries comprising both the original publication data and the translation data (see Poincaré 1968). Previous versions of the styles provided a different mechanism to manage translations. This feature is now deprecated and it is still supported only for backward compatibility. See section 6.1 for details.

Jules-Henri Poincaré (1968), *La science et l'hypothèse*, Flammarion, Paris; trans. as *La scienza e l'ipotesi*, ed. by Corrado Sinigaglia, Bompiani, Milano 2003.

```
@book{Poincare:1968-ORIG,
  author = {Jules-Henri Poincaré},
  title = {La science et l'hypothèse},
  publisher = {Flammarion},
  location = {Paris},
  date = {1968},
  related = {Poincare:1968-ITA}}
```

```
@book{Poincare:1968-ITA,
  author   = {Jules-Henri Poincaré},
  editor   = {Corrado Sinigaglia},
  title    = {La scienza e l'ipotesi},
  publisher = {Bompiani},
  location = {Milano}}
```

Since Biber 1.6 you can have cascading relations too (see Popper 1934).

```
@Book{key1,
  ...
  related = {key2},
  ...
}

@Book{key2,
  ...
  related = {key3},
  ...
}

@Book{key3,
  ...
}
```

The related entry is preceded by the `translationas` string which defaults to “trad. it.” for Italian documents and “trans. as” for English documents. If you want to change it, use the `relatedstring` field. For example:

```
@book{Poincare:1968-ORIG,
  author       = {Jules-Henri Poincaré},
  ...
  related      = {Poincare:1968-ITA},
  relatedstring = {ed. ~it.}}
```

3.2 Classical works

The treatment of the classical works and other writings with uncertain or omitted date is particularly difficult and inevitably imposes some choices.

If a critical edition exists you should cite it directly, such as Heidegger (2001). If you do not like this anachronistic label you may use the `shorthand` field, such as Kant (1968b [henceforth cited as KpV]). Note that a “shorthand intro” is automatically printed when the entry is cited for the first time and omitted afterwards. To turn off this capability load the option `shorthandintro=false`. In this case you will need a list of shorthands (`\printshorthands` command). If you do not like these solutions you can use the `entrysubtype` field with `classic` value (see section 3.2) or the `\sdcite` command (section 3.5).

nameaddon field (literal)

An addon to be printed immediately after the author name in the bibliography. It is useful for those author known with alias, Latinized names, etc. (see Komensky 1969).

entrysubtype field (literal)

This feature is active only for the `classic` and `modern` styles. With the `classic` value the citation commands will produce an author-title label. This is useful for citing works from classical antiquity, such as Aristotle, *Physics*:

```
@book{aristotle:physics,
  entrysubtype = {classic},
  author       = {Aristotle},
  title        = {Physics},
  ...
}
```

In the bibliography the entry is printed with the author-year label, but with the `skipbib` option in the options field you can exclude it from the bibliography.

3.3 Crossreferences

The philosophy styles allow you to manage entries referring to other entries through the `crossref` fields. This is very useful when you have to cite two or more `@incollection` of the same `@collection` (see Corrocher 2009; Federspil and Vettor 2009). In this way the `@collection` is printed in the bibliography and is cross-referenced inside the `@incollection`, using the corresponding author-year label (the mechanism is the same for `@inbook` items).

When you have to cite only one `@incollection` of a single `@collection` you have three choices:

1. use the `crossref` field (see Rossitto 1977; Termini 2007). In this case all the `@collection` data are automatically printed inside the `@incollection` entry;
2. put the `@collection` data in the fields of the `@incollection` entry (see Valbusa 2007). In this case the `@incollection` is self-contained;
3. put the `@collection` data in the fields of the `@incollection` entry and put the `@collection` label in the `xref` field of the `@incollection` (see Kant 1968c,d).

With the `verbose` style, when citing `@incollections` entries, the data of the `@collection` are printed entirely in the first citation and shortened afterwards. Anyway in the final bibliography the `@incollection` is always complete of all the informations about the corresponding `@collection`.

3.4 Annotated entries

library field (literal)

This field is printed at the end of the entry, in a new period. It is aimed for secondary informations such as the location of the texts, historical notes, etc. (see Heidegger 2001).

annotation/annote field (literal)

This field is printed in a new paragraph at the very end of the entry. It requires the `annotation` package option. The default font can be changed redefining the `\annotationfont` command (section 5.1). See the examples in the references of this documentation.

3.5 Citation commands

`\sdcite{<key>}`

Uses an author-title label instead of an author-year label (defined only for the `classic` and `modern` styles). It is useful for some classical or undated works (see section 3.2). Writing `\sdcite[15]{guzman:sd}` you will obtain: Guzmán de Rojas, *Problemática*. This command is deprecated. Use the `entrysubtype` field instead (see section 3.2).

`\footcitet{<key>}`

Same as `\footcite`,^a but with the `\textcite` style.^b (defined only for the `classic` and `modern` styles).

^aCorrocher 2009, pp. 12-13.

^bCorrocher (2009, pp. 12-13).

`\ccite{<key>}`

The same as `\cite`, but omits the author’s (editor’s) name (defined only for the `verbose` style). Here is an example:

This topic is discussed in `\cite{Rossi:2007}` and in the recent `\ccite{Rossi:2008}`.

This topic is discussed in P. Rossi, *History of Types*, La TeXnica, Verona 2007 and in the recent *Types of History*, Typographica, Milano 2008.

4 Options

4.1 Global

`relatedformat=semicolon, parens, brackets` default: semicolon

`semicolon` The “related” entry is preceded by a semicolon.

`parens` Puts the “related” entry in parentheses.

`brackets` Same as the previous option but with brackets.

`shorthandintro=true, false` default: true

`true` Prints a language-specific expression such as “hence- forth cited as [`<shorthand>`]” to introduce shorthands on the first citation. You can overwrite the default expression using the `shorthandintro` field. Note that the alternative expression must include the shorthand.

Kant (1968a [[henceforth cited as KpV](#)])

false Does not print the intro to the shorthand. Obviously, this option requires a list of shorthands (`\printshorthand` command).

scauthors=true, false default: false

Prints the names (author, editor, etc.) at the beginning of the entry in small caps shape, both in citations and in bibliography:

If you want *all* the names (translator, commentator, etc.) in small caps, you have to redefine the `\mkbibname...` commands (see `biblatex` documentation for details).

scauthorsbib=true, false default: false

Same as the previous, but only for the bibliography.

scauthorcite=true, false default: false

Same as the previous, but only for the citations.

lowscauthors=true, false default: false

Prints the initials of the names in lowercase small capitals. For example you will obtain DONALD E. KNUTH instead of DONALD E. KNUTH. If you need the uppercase for some specific entries use the `\MakeUppercase` command.

publocformat=publocyear, locpubyear, loccolonpub default: publocyear

This option provides three styles for typesetting the “publisher/location/date” block. It is active also for the related entry (see above) and for the `orig`-fields (see section 6.1).

publocyear Oxford University Press, Oxford 2007

locpubyear Oxford, Oxford University Press, 2007

loccolonpub Oxford: Oxford University Press, 2007

volnumformat=strings, parens, plain default: plain

This option provides three styles for typesetting the “volume/number” block in `@article` entries.

plain ... *Journal Title*, 5, 8, ...

strings ... *Journal Title*, vol. 5, n. 8, ...

parens ... *Journal Title* (5, 8), ...

You can combine this option with `volumeformat` options and re-defining the `\volnumpunct` command you can get other styles (see section 5.3):

```
... Journal Title, 5/8, ...
... Journal Title, V/8, ...
... Journal Title (5/8), ...
... Journal Title (V/8), ...
```

`volumeformat`=arabic, roman, romansc, Roman default: arabic

This option provides three styles for typesetting the volume field:

```
arabic      ...Book Title, vol. 12, ...
roman       ...Book Title, vol. xii, ...
romansc     ...Book Title, vol. XII, ...
Roman       ...Book Title, vol. XII, ...
```

With the command

```
\DeclareFieldFormat{volume}{\bibstring{volume}~#1}
```

you can restore the default format for all but `@article` entries.

`editionformat`=arabic, roman, romansc, Roman, superscript default: arabic

This option provides three styles for typesetting the edition field:

```
arabic      ...Book Title, 3a ed., ...
roman       ...Book Title, iii ed., ...
romansc     ...Book Title, III ed., ...
Roman       ...Book Title, III ed., ...
superscript ...Book Title, Publisher, Location 20103. Available only for
philosophy-verbose style.
```

`inbeforejournal`=true, false default: false

Prints the string “in” before the `journaltitle` in the `@article` entries.

`annotation`=true, false default: false

Shows the annotation field, only in the bibliography (see also section 3.4).

`library`=true, false default: true

Shows the library field, both in the bibliography and in the citations (see also section 3.4).

`classical=true, false` default: false

[only for Italian and Spanish documents] It requires `babel` or `polyglossia`.

If `true` it doubles the last consonant of the abbreviations such as “p.,” “vol.,” “col.” etc. when used in the plural form. For example you will have “p.” for “page” and “pp.” for “pages”. This habit is very common in Italian writings even if it remains useless.

4.2 Style-specific

4.2.1 philosophy-classic and philosophy-modern

`square=true, false` default: false

Uses brackets instead of parentheses in the citations and in the author-year label used in the bibliography.

`nodate=true, false` default: true

Prints the `nodate` string when year or date is missing.

`yearleft=true, false` default: false

[philosophy-modern only]

Prints the date flushed left in the bibliography.

`restoreclassic=true, false` default: true

[philosophy-modern only]

This option can be given as an optional argument of `\printbibliography`:

```
\printbibliography[restoreclassic]
```

It restores the `classic` style in a document typeset using the `modern` style. It is useful to compose a “Web List” like that at the end of this document (active only for the `philosophy-modern`).

4.2.2 philosophy-verbose

`latinemph=true, false` default: false

Prints the *latinitates* “*ivi*” and “*ibidem*” in italic shape.

`commacit=true, false` default: false

Adds a comma at the end of the `shorttitle` field when this is followed by the string *cit.*: “Descartes, *Discours de la méthode*, cit. ”.

5 Customizations

5.1 Fonts

`\annotationfont`{*code*} default: `\footnotesize`

The font of the annotation field. It can be redefined with:

```
\renewcommand*{\annotationfont}{\normalsize\sffamily}
```

`\libraryfont`{*code*} default: `\normalfont`

The font of the library field. It can be redefined with:

```
\renewcommand*{\libraryfont}{\sffamily}
```

5.2 Punctuation

`\volnumpunct`{*code*} default: `\addcomma\space`

The separator between volume and number in `@article` entries. It can be redefined with:

```
\renewcommand*{\volnumpunct}{/}
```

5.3 Lengths

The new lengths described in this section are defined only for the modern style. For the other customizable lengths see the `biblatex` documentation (Lehman 2011).

`\postnamesep` The space between author (or editor) and the first entry relating to him.

`\yeartitle` The space between year and title.

The modern style redefines also the following `biblatex` lengths:

`\bibnamesep` The vertical space between two blocks of authors.

`\bibitemsep` The vertical space between the individual entries in the bibliography.

`\bibhang` The hanging indentation of the bibliography.

These are the default values for the lengths used by the modern style:

```
\setlength{\yeartitle}{0.8em}
\setlength{\postnamesep}{0.5ex plus 2pt minus 1pt}
\setlength{\bibitemsep}{\postnamesep}
\setlength{\bibnamesep}{1.5ex plus 2pt minus 1pt}
\setlength{\bibhang}{4\parindent}
```

If you want to change them past these codes in the preamble of your document and modify the values according to your needs.

5.4 Using the styles with other languages

The languages currently supported by this package are Italian, English and Spanish.

In order to use the styles with different languages, you have to define in the preamble of your document all the string not defined in the localization file of the language loaded. This is a sample code for using the styles in german documents:

```
\NewBibliographyString{edorig,cit}
\DefineBibliographyStrings{german}{%
  inherit      = {german},
  translationas = {deut\adddotspace \"}Ubers\adddot},
  edorig       = {...},
  cit          = {...},
  reviewof    = {...}}
```

Another approach is to use the `\DeclareLanguageMapping` command. See the documentation of the `biblatex` package for details.

5.5 Date and page ranges

These style redefines the `\bibbrangedash` and `\bibdatedash` commands in order to get a simple hyphen (-) instead of an en dash (–) in the page and date ranges. If you prefer the en dash use the following code:

```
\DefineBibliographyExtras{<language>}{%
  \protected\def\bibbrangedash{%
    \textendash\penalty\hyphenpenalty}%
  \protected\def\bibdatedash{\bibbrangedash}}%
```

For a consistent result you probably have to do this for all the languages loaded by `babel` or `polyglossia`.

6 Backward compatibility

This section explain a different mechanism (now deprecated) to manage entries comprising both the original publication data and the translation data. This mechanism uses some special fields.

6.1 Deprecated fields

The following fields can hold the translation or the original edition data. They are precede by the string “trans.” or “orig. ed.”, respectively according to the `origfields=trans` (default) or `origfields=origed` option (see below). Note that the `origdate/transdate` field is needed in order to print these fields. Contrarily they will be ignored.

`origtitle` field (literal)
`transtitle` field (literal biber only)

The title of the translation/original edition.

`origpublisher` field (list)

transpublisher field (list biber only)
The publisher of the translation/original edition.

origlocation field (list)
translocation field (list biber only)

The location of the translation/original edition.

origdate field (range)
transdate field (range biber only)

The publication date of the translation/original edition.

Robert Bringhurst (1992), *The Elements of Typographic Style*, Hartley & Marks Publisher Inc., Vancouver, Canada; trad. it. *Gli elementi dello stile tipografico*, Sylvestre Bonnard, Milano 2009.

usera field (literal)
origbooktitle field (literal biber only)
transbooktitle field (literal biber only)

The title of the @collection/@book/@mvbook in which the translation/original edition of an @article (@inbook or @incollection) is published.

The field is printed after the origtitle/transtitle and the format is the same of the entry:

Moore, George Edward (1903), «The refutation of idealism», *Mind*, N.S., 12 (mag. 1903), p. 433-453; trad. it. «La confutazione dell'idealismo», in *Il Neoempirismo*, a cura di Alberto Pasquinelli, UTET, Torino 1969, p. 35-61.

userb field (literal)
orignote field (literal biber only)
transnote field (literal biber only)

This field is printed after the origtitle/transtitle. It is meant for secondary informations about the translation/original edition, such as the name of editors, translators, etc.:

Mach, E. (1883), *Die Mechanik in ihrer Entwicklung historisch-kritisch dargestellt*; trad. it. *La meccanica nel suo sviluppo storico-critico*, traduzione, introduzione e note di Alfonsina D'Elia, Bollati Boringhieri, Torino 1977.

userc field (literal)
origpages field (literal biber only)
transpages field (literal biber only)

This field is printed at the end of the entry, after the origdate/transdate field. It is meant for the page range of the translation/original edition or other useful informations. In the first case string “p.” is omitted.

6.2 Deprecated options

`origfields=trans, none, edorig` default: trans

`true` Prints the orig- fields.

`none` Omits the orig- fields.

`origed` This option cites the translation data first and adds the original publication data at the end of the entry, preceded by the string “orig. ed” (or “ed. orig.” for Italian documents).

`origed=true, false` default: true

Same as the previous but can be set on a per-entry basis in the options field. (see Lobačevskij 1994).

`origfieldsformat=semicolon, parens, brackets` default: semicolon

`semicolon` The translation/original publication data are preceded by a semicolon:

Poincaré, Jules-Henri (1968), *La science et l'hypothèse*, Paris, Flammarion; trad. it. *La scienza e l'ipotesi*, Milano, Bompiani 2003.

`parens` Puts the translation or the original publication data in parentheses:

Poincaré, Jules-Henri (1968), *La science et l'hypothèse*, Paris, Flammarion (trad. it. *La scienza e l'ipotesi*, Milano, Bompiani 2003).

`brackets` Same as the previous option but with brackets instead of parentheses:

Poincaré, Jules-Henri (1968), *La science et l'hypothèse*, Paris, Flammarion [trad. it. *La scienza e l'ipotesi*, Milano, Bompiani 2003].

References

The bibliography style of the document is philosophy-modern, but in this list of references we use philosophy-classic through the `restoreclassic` option. This is particularly useful for typesetting Web lists which.

Clawson, James (2010), *biblatex-mla. MLA Style Using biblatex*, version 0.95, <http://mirrors.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-mla/doc/biblatex-mla.pdf>.

The biblatex-mla files provide support to biblatex, bibtex, and latex for citations and Works Cited lists in the style established by the Modern Language Association (MLA).

Gliboff, Sander (2010), *User's Guide to Historian. A Footnotes-and-Bibliography Style, Following Turabian/Chicago Guidelines: For Use with the Biblatex System of Programmable Bibliographies and Citations*, version 0.4, <http://mirrors.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-historian/historian.pdf>.

Historian follows the conventions of The Chicago Manual of Style, as presented in Turabian's Manual for Writers.

Lehman, Philipp (2011), *The biblatex package. Programmable Bibliographies and Citations*, version 1.7, <http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.pdf>.

This document is a systematic reference manual for the biblatex package. Look at the sample documents which ship with biblatex to get a first impression.

Pantieri, Lorenzo and Tommaso Gordini (2011), *L'arte di scrivere con L^AT_EX. Un'introduzione a L^AT_EX*, with a forew. by Enrico Gregorio, http://www.lorenzopantieri.net/LaTeX_files/ArteLaTeX.pdf.

The most popular italian guide to L^AT_EX. A little masterpiece of style and typesetting.

Waßenhoven, Dominik (2011), *biblatex-dw*, version 1.4, <http://mirrors.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-dw/doc/biblatex-dw.pdf>.

A small collection of styles for the biblatex package. It was designed for citations in the Humanities and offers some features that are not provided by the standard biblatex styles.

Examples

Aristotle

1929 *Physics*, trans. by P. H. Wicksteed and F. M. Cornford, G. P. Putnam, New York.

A book entry with a translator field.

Corrocher, Roberto

2009 “Riflessioni sull'uomo di fronte a nuove sfide”, in Giaretta et al. (2009), pp. 27-42.

An @incollection entry. The @collection is automatically printed in the bibliography because another @incollection has been cited.

Federspil, Giovanni and Roberto Vettor

2009 “Medicina: un unico metodo e una sola argomentazione?”, in Giaretta et al. (2009), pp. 43-74.

An @incollection entry. The @collection is automatically printed in the bibliography because another @incollection has been cited.

Giaretta, Pierdaniele, Antonio Moretto, Gian Franco Gensini, and Marco Trabucchi

2009 (eds.), *Filosofia delle medicina. Metodo, modelli, cura ed errori*, 2 vols., il Mulino, Bologna.

A collection with four editors. The list is automatically truncated in the citations.

Guzmán de Rojas, Iván

s.d. *Problemática logico-lingüística de la comunicación social con el pueblo Aymara*, mimeo, Con los auspicios del Centro internacional de Investigaciones para el Desarrollo de Canada.

A work without a publication date. The string nodate (localized) is automatically printed.

Heidegger, Martin

- 2001 *Sein und Zeit*, 18th ed., Max Niemeyer Verlag, Tübingen. Apparso originariamente nel 1927 nell'annuario diretto da H. Husserl *Jahrbuch für Philosophie und phänomenologische Forschung* (vol. VIII).

Note the `library` field, use for some details about the first edition.

Kant, Immanuel

- 1968a *Kants Werke. Akademie Textausgabe*, Berlin.
- 1968b *Kritik der praktischen Vernunft*, in *Kants Werke. Akademie Textausgabe*, vol. 5: *Kritik der praktischen Vernunft. Kritik der Urtheilskraft*, Walter de Gruyter, Berlin, pp. 1-163.
An edition of Kant's *Collected Works*, volume five. This is an `inbook` entry which explicitly refers to the *Critique of Practical Reason* only, not to the entire fifth volume. Note the `author` and `bookauthor` fields in the database file. By default, the `bookauthor` is omitted if the values of the `author` and `bookauthor` fields are identical.
- 1968c *Kritik der praktischen Vernunft*, in Kant (1968a), vol. 5, pp. 1-163.
- 1968d *Kritik der Urtheilskraft*, in Kant (1968a), vol. 5, pp. 165-485.

Komensky, Jan Amos [Comenio]

- 1969 *Opera Omnia*, Praga.

This author is known with his Latin name, given in the `nameaddon` field.

Lobačevskij, Nikolaj Ivanovič

- 1994 *Nuovi principi della geometria. Con una teoria completa delle parallele*, ed. by Lucio Lombardo Radice, with a forew. by Evandro Agazzi, Bollati Boringhieri, Torino; orig. ed. 1835.

An entry typeset using the deprecated `orig-` fields mechanism.

Pantieri, Lorenzo and Tommaso Gordini

- 2011 *L'arte di scrivere con L^AT_EX. Un'introduzione a L^AT_EX*, with a forew. by Enrico Gregorio, http://www.lorenzopantieri.net/LaTeX_files/ArteLaTeX.pdf.

The most popular italian guide to L^AT_EX. A little masterpiece of style and typesetting.

Poincaré, Jules-Henri

- 1968 *La science et l'hypothèse*, Flammarion, Paris; trans. *La scienza e l'ipotesi*, ed. by Corrado Sinigaglia, testo greco a fronte, Bompiani, Milano 2003.

A book entry followed by its translation, cross-referenced in the `related` field.

Popper, Karl R.

- 1934 *Logik der Forschung*, Springer, Wien; trad. ingl. *The Logic of Scientific Discovery*, 3rd ed., Hutchinson, London 1959; trans. *Logica della scoperta scientifica*, 3rd ed., Einaudi, Torino 1998.

A book entry followed by two different translations, cross-referenced in the `related` (biber 1.6 required).

Rossitto, Cristina

- 1977 "Opposizione e non contraddizione nella *Metafisica* di Aristotele", in *La contraddizione*, ed. by Enrico Berti, Città Nuova, Roma, pp. 43-69.

Note that the `@collection` data (inherited from the `crossref` field) are printed inside the `@incollection` entry because this is the the only `@incollection` cited from that `@collection`.

Termini, Settimo

- 2007 “Vita morte e miracoli di Alan Mathison Turing”, in *Vite matematiche. Protagonisti del '900 da Hilbert a Wiles*, ed. by Claudio Bartocci, Renato Betti, Angelo Guerraggio, and Roberto Lucchetti, Springer-Verlag Italia, Milano.

Valbusa, Ivan

- 2007 “Psicologia e sistema in Alsted e in Wolff”, in *Christian Wolff tra psicologia empirica e psicologia razionale*, ed. by Ferdinando Luigi Marcolungo, Georg Olms Verlag, Hildesheim, Zürich, and London.

Web List

Here we have a list of Web sites typeset with the philosophy-classic style through the `restoreclassic` option.

CTAN (2006), *CTAN. The Comprehensive TeX Archive Network*, <http://www.ctan.org> (visited on 10/01/2006).

Note the `urldate` field and the `label` field, used for the citations.

GuIT. Gruppo degli Utilizzatori Italiani di TeX (2012), <http://www.guitex.org> (visited on 01/15/2012).
A Web site.

7 The Code

7.1 philosophy-standard.bbx

```
1 \RequireBiber[2]
2 \RequireBibliographyStyle{standard}
```

Load the localization modules:

```
3 \DeclareLanguageMapping{italian}{italian-philosophy}
4 \DeclareLanguageMapping{english}{english-philosophy}
5 \DeclareLanguageMapping{spanish}{spanish-philosophy}
```

7.1.1 Global options

```
6 \newtoggle{bbx:annotation}
7 \newtoggle{bbx:library}
8 \newtoggle{bbx:scauthors}
9 \newtoggle{bbx:scauthorsbib}
10 \newtoggle{bbx:inbeforejournal}
11 \newtoggle{bbx:classical}
12 \newtoggle{bbx:lowscauthors}
13
14 \newtoggle{cbx:shorthandintro}
15
16 \DeclareBibliographyOption{annotation}[true]{%
17   \settoggle{bbx:annotation}{#1}}
18 \DeclareBibliographyOption{library}[true]{%
19   \settoggle{bbx:library}{#1}}
20 \DeclareBibliographyOption{scauthors}[true]{%
```

```

21 \settoggle{bbx:scauthors}{#1}
22 \DeclareBibliographyOption{scauthorsbib}[true]{%
23 \settoggle{bbx:scauthorsbib}{#1}}
24 \DeclareBibliographyOption{inbeforejournal}[true]{%
25 \settoggle{bbx:inbeforejournal}{#1}}
26 \DeclareBibliographyOption{classical}[true]{%
27 \settoggle{bbx:classical}{#1}}
28 \DeclareBibliographyOption{lowscauthors}[true]{%
29 \settoggle{bbx:lowscauthors}{#1}}
30
31 \DeclareBibliographyOption{shorthandintro}[true]{%
32 \settoggle{cbx:shorthandintro}{#1}}
33
34
35 \newcommand{\bbx@publocformat}{}
36 \newcommand{\bbx@volnumformat}{}
37 \newcommand{\bbx@relatedformat}{}
38 \newcommand{\bbx@origfields}{}
39 \newcommand{\bbx@editionformat}{}
40 \newcommand{\bbx@volumeformat}{}
41
42 \DeclareBibliographyOption{publocformat}[publocyear]{%
43 \renewcommand{\bbx@publocformat}{#1}}
44 \DeclareBibliographyOption{volnumformat}[plain]{%
45 \renewcommand{\bbx@volnumformat}{#1}}
46 \DeclareBibliographyOption{origfieldsformat}[semicolon]{%
47 \renewcommand{\bbx@relatedformat}{#1}}
48 \DeclareBibliographyOption{relatedformat}[semicolon]{%
49 \renewcommand{\bbx@relatedformat}{#1}}
50 \DeclareBibliographyOption{origfields}[true]{%
51 \renewcommand{\bbx@origfields}{#1}}
52 \DeclareBibliographyOption{editionformat}[arabic]{%
53 \renewcommand{\bbx@editionformat}{#1}}
54 \DeclareBibliographyOption{volumeformat}[arabic]{%
55 \renewcommand{\bbx@volumeformat}{#1}}
56
57 \DeclareEntryOption{origed}[true]{%
58 \renewcommand{\bbx@origfields}{origed}}
59
60 \ExecuteBibliographyOptions{%
61 lowscauthors = false,
62 publocformat = publocyear,
63 annotation = false,
64 library = true,
65 scauthors = false,
66 scauthorsbib = false,
67 origfieldsformat = semicolon,
68 inbeforejournal = false,
69 volnumformat = plain,
70 editionformat = arabic,
71 volumeformat = arabic,
72 classical = false,

```

```

73 useprefix      = true,
74 maxcitenames  = 2,
75 mincitenames  = 1,
76 maxbibnames   = 999,
77 minbibnames   = 999,
78 shorthandintro = true}

```

Changing the penalty of the urls will prevent many overfull boxes.

```

79 \setcounter{biburlnumpenalty}{9000}
80 \setcounter{biburlucpenalty}{9000}
81 \setcounter{biburlllpenalty}{9000}

```

These counters control the list of names of cross-referenced entries:

```

82 \newcounter{maxnamesincross}
83 \newcounter{minnamesincross}

```

7.1.2 Name format

```

84 \AtBeginDocument{%
85 \iftoggle{bbx:lowscauthors}%
86   {\newrobustcmd*{\mkbibsc}[1]{\textsc{\MakeLowercase{#1}}}}%
87   {\newrobustcmd*{\mkbibsc}[1]{\textsc{#1}}}%
88 \iftoggle{bbx:scauthors}{%
89   \toggletrue{bbx:scauthorsbib}%
90   \toggletrue{cbx:scauthorscite}}%
91 {}
92 \AtBeginBibliography{%
93 \iftoggle{bbx:scauthorsbib}{%
94 \ifblx@load@version@legacy
95 \DeclareNameFormat{family-given/given-family}{%
96   \let\mkbibnamefamily\mkbibsc%
97   \let\mkbibnamegiven\mkbibsc%
98   \let\mkbibnameprefix\mkbibsc%
99   \let\mkbibnameaffix\mkbibsc%
100  \ifnumequal{\value{listcount}}{1}
101    {\iffirstinits
102     {\usebibmacro{name:family-given}{#1}{#4}{#5}{#7}}%
103     {\usebibmacro{name:family-given}{#1}{#3}{#5}{#7}}%
104     \ifblank{#3#5}
105     {}
106     {\usebibmacro{name:revsdelim}}}
107    {\iffirstinits
108     {\usebibmacro{name:given-family}{#1}{#4}{#5}{#7}}
109     {\usebibmacro{name:given-family}{#1}{#3}{#5}{#7}}}%
110  \usebibmacro{name:andothers}}%
111 \else
112 \DeclareNameFormat{sortname}{%
113   \let\mkbibnamefamily\mkbibsc%
114   \let\mkbibnamegiven\mkbibsc%
115   \let\mkbibnameprefix\mkbibsc%
116   \let\mkbibnameaffix\mkbibsc%
117   \nameparts{#1}%
118   \ifnumequal{\value{listcount}}{1}
119     {\ifgiveninits

```

```

120     {\usebibmacro{name:family-given}
121      {\namepartfamily}
122      {\namepartgiveni}
123      {\namepartprefix}
124      {\namepartsuffix}}
125     {\usebibmacro{name:family-given}
126      {\namepartfamily}
127      {\namepartgiven}
128      {\namepartprefix}
129      {\namepartsuffix}}%
130     \ifempty{\namepartgiven\namepartprefix}
131       {}
132     {\usebibmacro{name:revsdelim}}}
133   {\ifgiveninits
134     {\usebibmacro{name:given-family}
135      {\namepartfamily}
136      {\namepartgiveni}
137      {\namepartprefix}
138      {\namepartsuffix}}
139     {\usebibmacro{name:given-family}
140      {\namepartfamily}
141      {\namepartgiven}
142      {\namepartprefix}
143      {\namepartsuffix}}}%
144   \usebibmacro{name:andothers}}
145 \fi
146 }%
147 {}}%

```

7.1.3 New internal commands

```

148 \renewcommand*{\newunitpunct}{\addcomma\space}
149 \renewcommand*{\subtitlepunct}{\addperiod\space}
150 \renewcommand*{\intitlepunct}{\nopunct\addspace}
151 \newcommand*{\volnumpunct}{\addcomma\space}

```

We have to define a new internal command in order to get pure parentheses for some specific fields when using the square option:

```

152 \newrobustcmd*{\mkpureparens}[1]{%
153   \begingroup
154   \blx@blxinit
155   \blx@setsfcodes
156   \blx@postpunct(#1\blx@postpunct)\midsentence%
157   \endgroup}

```

Indexing

```

158 \renewbibmacro*{citeindex}{%
159   \ifciteindex{\indexnames{labelname}}{}}%
160 \renewbibmacro*{bibindex}{%
161   \ifbibindex{\indexnames{author}}%
162   \indexnames{editor}%
163   \indexnames{editora}%
164   \indexnames{editorb}%
165   \indexnames{editorc}}%

```

166 {}}%

Font selection

```

167 \newcommand*{\annotationfont}{\footnotesize}
168 \newcommand*{\libraryfont}{}
169 \newcommand*{\editionfont}{%
170   \ifdefstring{\bbx@editionformat}{Roman}
171     {\uppercase}%
172     {\ifdefstring{\bbx@editionformat}{romansc}
173       {\scshape}%
174       {\relax}}%
175   }%
176 \newrobustcmd*{\edfnt}[1]{%
177   \begingroup
178   \expandafter\editionfont
179   \expandafter{\romannumeral#1}%
180   \endgroup}

```

7.1.4 Fields formats

```

181 \DeclareFieldFormat [bookinbook,thesis]{title}{\mkbibemph{#1}}
182 \DeclareFieldFormat [review]{title}{\bibstring{reviewof}\addspace#1}
183 \DeclareFieldFormat [review]{citetitle}{\bibstring{reviewof}\addspace#1}
184 \DeclareFieldFormat [inreference,article]{title}{\mkbibquote{#1}}
185 \DeclareFieldFormat [bookinbook,thesis]{citetitle}{\mkbibemph{#1}}
186 \DeclareFieldFormat [origtitle]{\mkbibemph{#1}}
187 \DeclareFieldFormat [article]{origtitle}{\mkbibquote{#1}}
188 \DeclareFieldFormat {usera}{\mkbibemph{#1}}
189 \DeclareFieldFormat [bookinbook,inbook]{usera}{\mkbibemph{#1}}
190 \DeclareFieldFormat [incollection]{usera}{\mkbibquote{#1}}
191 \DeclareFieldFormat {userc}{\mkpageprefix [bookpagination] {#1}}
192 \DeclareFieldFormat {url}{\url{#1}}
193 \DeclareFieldFormat {annotation}{\annotationfont #1}
194 \DeclareFieldFormat {library}{\libraryfont #1}
195 \DeclareFieldFormat {backrefparens}{\mkpureparens{#1}}
196 \DeclareFieldFormat {pureparens}{\mkpureparens{#1}}
197
198 \def\optionerror#1{%
199 \ClassError{biblatex-philosophy}
200   {\MessageBreak**** Unknown value for '#1' option}
201   {\MessageBreak**** Unknown value for '#1' option}
202 }
203
204 \DeclareFieldFormat {volume}{%
205   \bibstring{volume}~%
206   \ifinteger{#1}{%
207     \ifdefstring{\bbx@volumeformat}{arabic}%
208       {#1}%
209     {\ifdefstring{\bbx@volumeformat}{Roman}%
210       {\RN{#1}}%
211       {\ifdefstring{\bbx@volumeformat}{romansc}%

```

```

212     {\textsc{\Rn{#1}}}%
213     {\ifdefstring{\bbx@volumeformat}{roman}%
214       {\Rn{#1}}{\optionerror{volumeformat}}}}}{#1}}
215
216 \DeclareFieldFormat[article]{volume}{%
217 \ifdefstring{\bbx@volnumformat}{strings}
218   {\bibstring{volume}~}%
219   }%
220 \ifinteger{#1}{%
221 \ifdefstring{\bbx@volumeformat}{arabic}%
222   {#1}%
223   {\ifdefstring{\bbx@volumeformat}{Roman}%
224     {\Rn{#1}}%
225     {\ifdefstring{\bbx@volumeformat}{romansc}%
226       {\textsc{\Rn{#1}}}%
227       {\ifdefstring{\bbx@volumeformat}{roman}%
228         {\Rn{#1}}{\optionerror{volumeformat}}}}}}}{#1}}
229
230 \DeclareFieldFormat*{number}{%
231 \ifdefstring{\bbx@volnumformat}{strings}{%
232   \bibstring{number}~#1}{#1}}
233 \DeclareFieldFormat*{series}{%
234 \ifinteger{#1}
235   {\mkbibordseries{#1}~\bibstring{jourser}}
236   {\ifbibstring{#1}{\bibstring{#1}}{#1}}}
237 \DeclareFieldFormat{edition}{%
238 \ifinteger{#1}{%
239   \ifdefstring{\bbx@editionformat}{arabic}
240     {\mkbibordedition{#1}~\bibstring{edition}}
241     {\ifdefstring{\bbx@editionformat}{Roman}%
242       {\Rn{#1}~\bibstring{edition}}%
243       {\ifdefstring{\bbx@editionformat}{romansc}%
244         {\textsc{\Rn{#1}}~\bibstring{edition}}%
245         {\ifdefstring{\bbx@editionformat}{roman}%
246           {\Rn{#1}~\bibstring{edition}}
247           {\ifdefstring{\bbx@editionformat}{superscript}%
248             {\ClassError{biblatex-philosophy}
249               {\MessageBreak**** Option 'editionformat=superscript'
250                 available only for philosophy-verbose style}
251               {\MessageBreak**** Option 'editionformat=superscript'
252                 available only for philosophy-verbose style}
253             }}}}}}}{#1}}\%isdot??
254 \DeclareFieldFormat{related}{%
255 \ifdefstring{\bbx@relatedformat}{parens}%
256   {\mkpureparens{#1}}%
257   {\ifdefstring{\bbx@relatedformat}{brackets}%
258     {\mkbibbrackets{#1}}%
259     {\ifdefstring{\bbx@relatedformat}{semicolon}%
260       {#1}{\optionerror{relatedformat}}}}}}}%

```


7.1.5 The orig- macros (deprecated)

These macros are provided for backward compatibility. The new related field mechanism now directly support also this feature.

```

261 \newbibmacro*{origpublisher+origlocation+origdate}{%
262 \ifdefstring{\bbx@publocformat}{loccolonpub}
263 {\usebibmacro{origloccolonpub}\setunit{\bibpagespunct}}%
264   \printfield{userc}{\ifdefstring{\bbx@publocformat}{locpubyear}
265 {\usebibmacro{origlocpubyear}\setunit{\bibpagespunct}}%
266   \printfield{userc}}
267 {\usebibmacro{origpublocyear}\setunit{\bibpagespunct}}%
268   \printfield{userc}}}}
269
270 \newbibmacro*{origpublocyear}{%
271 \iflistundef{origpublisher}%
272 {\printlist{origlocation}}%
273 \setunit*{\addspace}%
274   \printorigdate}%
275 {\printlist{origpublisher}%
276   \setunit*{\addcomma\space}%
277 \printlist{origlocation}}%
278 \setunit*{\addspace}%
279   \printorigdate}%
280 \newunit}
281
282 \newbibmacro*{origloccolonpub}{%
283 \iflistundef{origlocation}{}%
284   {\printlist{origlocation}}%
285   \iflistundef{origpublisher}%
286     {\setunit*{\addspace}}%
287 \printorigdate}%
288   {\setunit*{\addcolon\space}}%
289   \printlist{origpublisher}%
290   \setunit*{\addcomma\space}%
291   \printorigdate}%
292 \newunit}
293
294 \newbibmacro*{origlocpubyear}{%
295 \iflistundef{origlocation}{}%
296   {\printlist{origlocation}}%
297   \iflistundef{origpublisher}%
298     {\setunit*{\addspace}}%
299 \printorigdate}%
300   {\setunit*{\addcomma\space}}%
301   \printlist{origpublisher}%
302   \setunit*{\addcomma\space}%
303   \printorigdate}%
304 \newunit}
305
306 \newbibmacro*{reprinttitle}{%
307 \iffieldundef{reprinttitle}{}%
308 \iffieldsequal{reprinttitle}{title}{}%

```

```

309     \printfield[title]{reprinttitle}%
310     \setunit{\addcomma\space}}}%
311 \iffieldundef{userb}{-}{%
312     \printfield{userb}}}%
313
314 \newbibmacro*{transorigstring}{%
315 \iffieldundef{reprinttitle}%
316 {\printtext{\ifdefstring{\bbx@origfields}{origed}
317 {\bibstring{origed}}}%
318 {\bibstring{translationas}}}\nopunct}%
319 {\printtext{\bibstring{reprint}}}\nopunct}
320
321 \newbibmacro*{origtitle:book}{%
322 \iffieldundef{origtitle}{-}{
323     \printfield[origtitle]{origtitle}%
324     \setunit{\addcomma\space}}
325 \iffieldundef{userb}{-}{%
326     \printfield{userb}}}%
327
328 \newbibmacro*{origtitledata:book}{%
329 \usebibmacro{transorigstring}%
330 \iffieldundef{reprinttitle}%
331 {\usebibmacro{origtitle:book}}}%
332 {\usebibmacro{reprinttitle}}}%
333 \newunit\newblock
334 \usebibmacro{origpublisher+origlocation+origdate}}
335
336 \newbibmacro*{origdata:book}{%
337 \ifboolexpr{%
338     test {\iffieldundef{origtitle}}
339     and
340     test {\iffieldundef{origlocation}}
341     and
342     test {\iffieldundef{origpublisher}}
343     and
344     test {\iffieldundef{origyear}}
345 }%
346 }%
347     {\ifdefstring{\bbx@relatedformat}{parens}
348     {\nopunct\printtext[pureparens]{\usebibmacro{origtitledata:book}}}
349     {\ifdefstring{\bbx@relatedformat}{brackets}
350     {\nopunct\printtext[brackets]{\usebibmacro{origtitledata:book}}}
351     {\setunit{\addsemicolon\space}%
352     \printtext{\usebibmacro{origtitledata:book}}}}}}
353
354 \newbibmacro*{origtitle:article-inbook-incoll}{%
355 \iffieldundef{origtitle}{-}{%
356     \printfield[origtitle]{origtitle}%
357 \setunit{\addcomma\space}}}%
358 \iffieldundef{usera}{-}{%
359 \usebibmacro{in:}}%
360 \printfield{usera}%

```

```

361         \setunit{\addcomma\space}}%
362 \iffieldundef{userb}{}{}%
363         \printfield{userb}%
364         \newunit}}
365
366 \newbibmacro*{origtitledata:article-inbook-incoll}{%
367         \usebibmacro{transorigstring}%
368         \setunit{\addspace}%
369         \usebibmacro{origtitle:article-inbook-incoll}%
370         \usebibmacro{origpublisher+origlocation+origdate}}
371
372 \newbibmacro*{origdata:article-inbook}{%
373         \iflistundef{origlocation}{}{%
374             \ifdefstring{\bbx@relatedformat}{parens}
375             {\nopunct\printtext[pureparens]}%
376             \usebibmacro{origtitledata:article-inbook-incoll}}}%
377         {\ifdefstring{\bbx@relatedformat}{brackets}
378         {\nopunct\printtext[brackets]}%
379         \usebibmacro{origtitledata:article-inbook-incoll}}}%
380         {\setunit{\addsemicolon\space}%
381         \printtext}%
382 \usebibmacro{origtitledata:article-inbook-incoll}}}}

```

7.1.6 New macros

```

383 \renewbibmacro*{addendum+pubstate}{%
384     \printfield{addendum}%
385     \newunit\newblock
386     \printfield{pubstate}%
387     \ifdefstring{\bbx@origfields}{none}{}{%
388         \newunit\newblock
389         \usebibmacro{origdata:book}}}%
390     \newunit\newblock
391     \usebibmacro{library}}
392
393 \newbibmacro*{addendum+pubstate:article-inbook-incoll}{%
394     \printfield{addendum}%
395     \newunit\newblock
396     \printfield{pubstate}%
397     \ifdefstring{\bbx@origfields}{none}{}{%
398         \newunit\newblock
399         \usebibmacro{origdata:article-inbook}}}%
400     \newunit\newblock
401     \usebibmacro{library}}
402
403 \newbibmacro*{volnumdefault}{%
404     \printfield{volume}%
405     \setunit*{\volnumpunct}%
406     \printfield{number}}
407
408 \newbibmacro*{volnumparens}{%
409     \nopunct%

```

```

410 \printtext[pureparens]{%
411 \printfield{volume}%
412   \setunit*{\volnumpunct}%
413   \printfield{number}}
414
415 \newbibmacro*{volnumstrings}{%
416   \iffieldundef{volume}{}{%
417     \printfield{volume}\setunit*{\volnumpunct}}%
418   \iffieldundef{number}{}{%
419     \printfield{number}}}
420
421 \renewbibmacro*{journal}{%
422   \iffieldundef{journaltitle}
423   {}
424   {\printtext[journaltitle]{%
425     \printfield[titlecase]{journaltitle}%
426     \midsentence%MOD#####
427     \setunit{\subtitlepunct}%
428     \printfield[titlecase]{journalsubtitle}}}}
429
430 \renewbibmacro*{periodical}{%
431   \iffieldundef{title}
432   {}
433   {\printtext[title]{%
434     \printfield[titlecase]{title}%
435     \midsentence%MOD#####
436     \setunit{\subtitlepunct}%
437     \printfield[titlecase]{subtitle}}}}
438
439 \renewbibmacro*{journal+issuetitle}{%
440   \usebibmacro{journal}%
441   \setunit*{\addspace}%
442   \iffieldundef{series}
443   {}
444   {\newunit%
445     \printfield{series}\setunit{\addspace}\midsentence}%
446   \newunit%
447   \usebibmacro{volume+number+eid}%
448   \setunit{\addspace}%
449   \usebibmacro{issue+date}%
450   \setunit{\addcolon\space}%
451   \usebibmacro{issue}%
452   \newunit}
453
454 \renewbibmacro*{title+issuetitle}{%
455   \usebibmacro{periodical}%
456   \setunit*{\addspace}%
457   \iffieldundef{series}
458   {}
459   {\newunit
460     \printfield{series}%
461     \setunit{\addspace}\midsentence}%

```

```

462 \newunit
463 \usebibmacro{volume+number+eid}%
464 \setunit{\addcomma\space}%
465 \printfield{eid}%
466 \setunit{\addspace}%
467 \usebibmacro{issue+date}%
468 \setunit{\addcolon\space}%
469 \usebibmacro{issue}%
470 \newunit}
471
472 \renewbibmacro*{volume+number+eid}{%
473   \ifdefstring{\bbx@volnumformat}{strings}
474     {\usebibmacro{volnumstrings}}%
475     {\ifdefstring{\bbx@volnumformat}{parens}
476       {\usebibmacro{volnumparens}}%
477       {\ifdefstring{\bbx@volnumformat}{plain}
478         {\usebibmacro{volnumdefault}}%
479         {\optionerror{volnumformat}}}}%
480 \setunit{\addcomma\space}%
481 \printfield{eid}}
482
483 \renewbibmacro*{issue+date}{%
484   \printtext[pureparens]{%
485     \iffieldundef{issue}
486       {\usebibmacro{date}}
487       {\printfield{issue}}%
488       \setunit*{\addspace}%
489       \usebibmacro{date}}}%
490 \newunit}
491
492 \renewbibmacro*{event+venue+date}{%v0.8
493   \printfield[eventtitle]%
494   \ifboolexpr{%
495     test {\iffieldundef{venue}}
496     and
497     test {\iffieldundef{eventyear}}
498   }%
499   {}
500   {\setunit*{\addspace}%
501     \printtext{%
502       \printfield{venue}%
503       \setunit*{\addcomma\space}%
504       \printeventdate}}%
505 \newunit}
506
507 \renewbibmacro*{series+number}{%
508   \printfield{series}%
509   \setunit*{\addcomma\space}%
510   \printfield{number}%
511   \newunit}
512
513 \renewbibmacro*{publisher+location+date}{%

```

```

514 \ifdefstring{\bbx@publocformat}{loccolonpub}
515   {\usebibmacro{loccolonpub}}
516   {\ifdefstring{\bbx@publocformat}{locpubyear}
517     {\usebibmacro{locpubyear}}
518     {\ifdefstring{\bbx@publocformat}{publocyear}%
519       {\usebibmacro{publocyear}}{\optionerror{publocformat}}}}
520
521 \renewbibmacro*{institution+location+date}{%
522 \ifdefstring{\bbx@publocformat}{loccolonpub}
523   {\usebibmacro{inloccolonpub}}
524   {\ifdefstring{\bbx@publocformat}{locpubyear}
525     {\usebibmacro{inlocpubyear}}
526     {\ifdefstring{\bbx@publocformat}{publocyear}%
527       {\usebibmacro{inpublocyear}}{\optionerror{publocformat}}}}
528
529 \renewbibmacro*{organization+location+date}{%
530 \ifdefstring{\bbx@publocformat}{loccolonpub}
531   {\usebibmacro{orgloccolonpub}}
532   {\ifdefstring{\bbx@publocformat}{locpubyear}
533     {\usebibmacro{orglocpubyear}}
534     {\ifdefstring{\bbx@publocformat}{publocyear}%
535       {\usebibmacro{orgpublocyear}}{\optionerror{publocformat}}}}
536
537 \newbibmacro*{library}{%
538 \iftoggle{bbx:library}{%
539   \iffieldundef{library}%
540   {}%
541   {\setunit{\addperiod\space}%
542     {\printfield{library}}}}%
543   {}

```

In this macro the `\nopunct` command is needed to avoid the dot after the parentheses.

```

544 \renewbibmacro*{pageref}{%
545   \iflistundef{pageref}
546   {}%
547   {\setunit{\addperiod\space}%
548     \printtext[backrefparens]{%
549       \ifnumgreater{\value{pageref}}{1}
550         {\bibstring{backrefpages}\ppspace}%
551         {\bibstring{backrefpage}\ppspace}%
552         \printlist[pageref] [-\value{listtotal}]{pageref}\addot\NOPUNCT}}%
553
554 \renewbibmacro*{finentry}{%
555   \iftoggle{bbx:annotation}%
556     {\iffieldundef{annotation}%
557       {\finentry}%
558       {\setunit{\addperiod\par\nobreak\vspace*{.5ex}}%
559         \printtext[annotation]{\printfield{annotation}\finentry\par}}}%
560   {\finentry}}
561
562 \newbibmacro*{publocyear}{%
563   \iflistundef{publisher}%

```

```

564   {}%
565 {\printlist{publisher}}
566   \setunit*{\addcomma\space}%
567   \printlist{location}%
568   \usebibmacro{relateddate}%
569 \newunit}
570
571 \newbibmacro*{inpublocyear}{%
572   \iflistundef{institution}%
573   {}%
574 {\printlist{institution}}
575   \setunit*{\addcomma\space}%
576   \printlist{location}%
577   \usebibmacro{relateddate}%
578 \newunit}
579
580 \newbibmacro*{orgpublocyear}{%
581   \iflistundef{organization}%
582   {}%
583 {\printlist{organization}}
584   \setunit*{\addcomma\space}%
585   \printlist{location}%
586   \usebibmacro{relateddate}%
587 \newunit}
588
589 \newbibmacro*{loccolonpub}{%
590   \printlist{location}%
591   \iflistundef{publisher}%
592   {\setunit*{\addspace}}
593   {\setunit*{\addcolon\space}}%
594   \printlist{publisher}%
595   \usebibmacro{commarelateddate}%
596 \newunit}
597
598 \newbibmacro*{inloccolonpub}{%
599   \printlist{location}%
600   \iflistundef{institution}
601   {\setunit*{\addspace}}
602   {\setunit*{\addcolon\space}}%
603   \printlist{institution}%
604   \usebibmacro{commarelateddate}%
605 \newunit}
606
607 \newbibmacro*{orgloccolonpub}{%
608   \printlist{location}%
609   \iflistundef{organization}
610   {\setunit*{\addspace}}
611   {\setunit*{\addcolon\space}}%
612   \printlist{organization}%
613   \usebibmacro{commarelateddate}%
614 \newunit}
615

```

```

616 \newbibmacro*{locpubyear}{%
617   \printlist{location}%
618   \iflistundef{publisher}%
619     {\setunit*{\addspace}}
620     {\setunit*{\addcomma\space}}%
621   \printlist{publisher}%
622   \usebibmacro{commarelateddate}%
623 \newunit}
624
625 \newbibmacro*{inlocpubyear}{%
626   \printlist{location}%
627   \iflistundef{institution}
628     {\setunit*{\addspace}}
629     {\setunit*{\addcomma\space}}%
630   \printlist{institution}%
631   \usebibmacro{commarelateddate}%
632   \newunit}
633
634 \newbibmacro*{orglocpubyear}{%
635   \printlist{location}%
636   \iflistundef{organization}
637     {\setunit*{\addspace}}
638     {\setunit*{\addcomma\space}}%
639   \printlist{organization}%
640   \usebibmacro{commarelateddate}%
641   \newunit}

```

7.1.7 The related field mechanism

```

642 \newbibmacro*{relateddate}{%
643   \setunit*{\addspace}%
644   \printdate}
645 \newbibmacro*{commarelateddate}{%
646   \setunit*{\addcomma\space}%
647   \printdate}

```

A trick to delete the author/editor list for related entries and \ccite command:

```

648 \newbibmacro*{related:clearauthors}{%
649   \renewbibmacro*{author/translator+others}{\usebibmacro{bbx:savehash}}%
650   \renewbibmacro*{author/editor+others/translator+others}{\usebibmacro{bbx:savehash}}%
651   \renewbibmacro*{editor+others}{\usebibmacro{bbx:savehash}}%
652   \renewbibmacro*{author/translator+others}{\usebibmacro{bbx:savehash}}%
653   \renewbibmacro*{author/editor}{\usebibmacro{bbx:savehash}}%
654   \renewbibmacro*{author}{\usebibmacro{bbx:savehash}}%
655   \renewbibmacro*{editor}{\usebibmacro{bbx:savehash}}%
656   \renewcommand*{\labelnamepunct}{}%
657
658 \DeclareCiteCommand{\relatedcite}
659   {}%
660   {\usedriver
661     {\DeclareNameAlias{sortname}{default}}%
662   \usebibmacro{related:clearauthors}%
663   \renewbibmacro*{relateddate}{%
664     \setunit*{\addspace}\printdate}%

```



```

665 \renewbibmacro*{commarelateddate}{%
666 \setunit*{\addcomma\space}\printdate}}%
667 {\thefield{entrytype}}}%
668 {}%
669 {}%
670
671 \renewbibmacro*{related:default}[1]{%
672 \togglefalse{cbx:scauthorscite}%
673 \togglefalse{bbx:annotation}%
674 \iffieldundef{relatedstring}%
675 {\bibstring{translationas}\space}%
676 {\printtext{\addspace}}}%
677 \ifentrytype{article}{-}{%horrible trick
678 \renewcommand*{\mkpureparens}{\unspace\addsemicolon\space}%
679 \renewcommand*{\mkbibbrackets}{\unspace\addsemicolon\space}}%
680 \relatedcite{\thefield{related}}}}

```

7.1.8 Bibliography drivers

```

681 \DeclareBibliographyDriver{article}{%
682 \renewbibmacro*{related:default}[1]{%
683 \togglefalse{cbx:scauthorscite}%
684 \togglefalse{bbx:annotation}%
685 \iffieldundef{relatedstring}%
686 {\bibstring{translationas}\space}%
687 {\setunit{\bibstring{translationas}\space}}%
688 \relatedcite{\thefield{related}}}%
689 \usebibmacro{bibindex}%
690 \usebibmacro{begentry}%
691 \usebibmacro{author/translator+others}%
692 \setunit{\labelnamepunct}\newblock
693 \usebibmacro{title}%
694 \newunit
695 \printlist{language}%
696 \newunit\newblock
697 \usebibmacro{byauthor}%
698 \newunit\newblock
699 \usebibmacro{bytranslator+others}%
700 \newunit\newblock
701 \printfield{version}%
702 \newunit\newblock
703 \iftoggle{bbx:inbeforejournal}{\usebibmacro{in:}}{}%
704 \usebibmacro{journal+issuetitle}%
705 \newunit\newblock
706 \usebibmacro{byeditor+others}%
707 \newunit\newblock
708 \usebibmacro{note+pages}%
709 \newunit\newblock
710 \iftoggle{bbx:isbn}
711 {\printfield{issn}}
712 {}%
713 \newunit\newblock
714 \usebibmacro{doi+eprint+url}%

```

```

715 \newunit\newblock
716 \usebibmacro{addendum+pubstate:article-inbook-incoll}%MOD
717 \newblock
718 \iftoggle{bbx:related}
719   {\ifdefstring{\bbx@relatedformat}{semicolon}{\setunit{\addsemicolon\space}}%
720   {\setunit{\unspace\space}}}%horrible trick
721 \usebibmacro{related:init}%
722 \usebibmacro{related}}%
723 {}%
724 \newunit\newblock
725 \usebibmacro{pageref}%
726 \usebibmacro{finentry}}
727
728 \DeclareBibliographyDriver{book}{%
729   \usebibmacro{bibindex}%
730   \usebibmacro{begentry}%
731   \usebibmacro{author/editor+others/translator+others}%
732   \setunit{\labelnamepunct}\newblock
733   \usebibmacro{maintitle+title}%
734   \newunit
735   \printlist{language}%
736   \newunit\newblock
737   \usebibmacro{byauthor}%
738   \newunit\newblock
739   \usebibmacro{byeditor+others}%
740   \newunit\newblock
741   \printfield{edition}%
742   \newunit
743   \printfield{volumes}%
744   \newunit\newblock
745   \usebibmacro{series+number}%
746   \newunit\newblock
747   \printfield{note}%
748   \newunit\newblock
749   \usebibmacro{publisher+location+date}%
750   \newunit
751   \iffieldundef{maintitle}
752     {\printfield{volume}%
753     \printfield{part}}
754     {}%
755   \newunit\newblock
756   \usebibmacro{chapter+pages}%
757   \newunit
758   \printfield{pagetotal}%
759   \newunit\newblock
760   \iftoggle{bbx:isbn}
761     {\printfield{isbn}}
762     {}%
763   \newunit\newblock
764   \usebibmacro{doi+eprint+url}%
765   \newunit\newblock
766   \usebibmacro{addendum+pubstate}%

```

```

767 \newblock
768 \iftoggle{bbx:related}
769   {\ifdefstring{\bbx@relatedformat}{semicolon}}%
770   {\setunit{\addsemicolon\space}}}%
771   {\setunit{\unspace\space}}}%horrible trick
772 \usebibmacro{related:init}%
773 \usebibmacro{related}}%
774 {}%
775 \newunit\newblock
776 \usebibmacro{pageref}%
777 \usebibmacro{finentry}}
778
779 \DeclareBibliographyDriver{booklet}{%
780 \usebibmacro{bibindex}%
781 \usebibmacro{begentry}%
782 \usebibmacro{author/editor+others/translator+others}}%
783 \setunit{\labelnamepunct}\newblock
784 \usebibmacro{title}%
785 \newunit
786 \printlist{language}%
787 \newunit\newblock
788 \usebibmacro{byauthor}%
789 \newunit\newblock
790 \usebibmacro{byeditor+others}}%
791 \newunit\newblock
792 \printfield{howpublished}%
793 \newunit\newblock
794 \printfield{type}%
795 \newunit\newblock
796 \printfield{note}%
797 \newunit\newblock
798 \usebibmacro{location+date}}%
799 \newunit\newblock
800 \usebibmacro{chapter+pages}}%
801 \newunit
802 \printfield{pagetotal}}%
803 \newunit\newblock
804 \usebibmacro{doi+eprint+url}}%
805 \newunit\newblock
806 \usebibmacro{addendum+pubstate}}%
807 \newblock
808 \iftoggle{bbx:related}
809   {\ifdefstring{\bbx@relatedformat}{semicolon}}%
810   {\setunit{\addsemicolon\space}}}%
811   {\setunit{\unspace\space}}}%horrible trick
812 \usebibmacro{related:init}%
813 \usebibmacro{related}}%
814 {}%
815 \newunit\newblock
816 \usebibmacro{pageref}%
817 \usebibmacro{finentry}}
818

```

```

819 \DeclareBibliographyDriver{collection}{%
820   \usebibmacro{bibindex}%
821   \usebibmacro{begentry}%
822   \usebibmacro{editor+others}%
823   \setunit{\labelnamepunct}\newblock
824   \usebibmacro{maintitle+title}%
825   \newunit
826   \printlist{language}%
827   \newunit\newblock
828   \usebibmacro{byeditor+others}%
829   \newunit\newblock
830   \printfield{edition}%
831   \newunit
832   \iffieldundef{maintitle}
833     {\printfield{volume}%
834       \printfield{part}}
835     {}%
836   \newunit
837   \printfield{volumes}%
838   \newunit\newblock
839   \usebibmacro{series+number}%
840   \newunit\newblock
841   \printfield{note}%
842   \newunit\newblock
843   \usebibmacro{publisher+location+date}%
844   \newunit\newblock
845   \usebibmacro{chapter+pages}%
846   \newunit
847   \printfield{pagetotal}%
848   \newunit\newblock
849   \iftoggle{bbx:isbn}
850     {\printfield{isbn}}
851     {}%
852   \newunit\newblock
853   \usebibmacro{doi+eprint+url}%
854   \newunit\newblock
855   \usebibmacro{addendum+pubstate}%
856   \newblock
857   \iftoggle{bbx:related}
858     {\ifdefstring{\bbx@relatedformat}{semicolon}%
859       {\setunit{\addsemicolon\space}}%
860       {\setunit{\unspace\space}}}%horrible trick
861   \usebibmacro{related:init}%
862   \usebibmacro{related}%
863   {}%
864   \newunit\newblock
865   \usebibmacro{pageref}%
866   \usebibmacro{finentry}}
867
868 \DeclareBibliographyDriver{inbook}{%
869 \togglefalse{cbx:scauthorscite}%
870   \usebibmacro{bibindex}%

```

```

871 \usebibmacro{begentry}%
872 \usebibmacro{author/translator+others}%
873 \setunit{\labelnamepunct}\newblock
874 \usebibmacro{title}%
875 \newunit
876 \printlist{language}%
877 \newunit\newblock
878 \usebibmacro{byauthor}%
879 \newunit\newblock
880 \usebibmacro{in:}%
881 \iffieldundef{xref}%
882 {\iffieldundef{crossref}{\usebibmacro{inbook:full}}%
883 {\bbx@crossref@inbook{\thefield{crossref}}}%
884 \newunit\newblock
885 \usebibmacro{crossrefdata}}}%
886 {\bbx@crossref@inbook{\thefield{xref}}}%
887 \newunit\newblock
888 \usebibmacro{xrefdata}}}%
889
890 \newbibmacro*{inbook:full}{%
891 \usebibmacro{bybookauthor}%
892 \newunit\newblock
893 \usebibmacro{maintitle+booktitle}%
894 \newunit\newblock
895 \usebibmacro{byeditor+others}%
896 \newunit\newblock
897 \printfield{edition}%
898 \newunit
899 \printfield{volumes}%
900 \newunit\newblock
901 \usebibmacro{series+number}%
902 \newunit\newblock
903 \printfield{note}%
904 \newunit\newblock
905 \usebibmacro{publisher+location+date}%
906 \newunit
907 \iffieldundef{maintitle}
908 {\printfield{volume}%
909 \printfield{part}}
910 {}%
911 \newunit\newblock
912 \usebibmacro{chapter+pages}%
913 \newunit\newblock
914 \iftoggle{bbx:isbn}
915 {\printfield{isbn}}
916 {}%
917 \newunit\newblock
918 \usebibmacro{doi+eprint+url}%
919 \newunit\newblock
920 \usebibmacro{addendum+pubstate:article-inbook-incoll}%
921 \newblock
922 \iftoggle{bbx:related}

```

```

923   {\ifdefstring{\bbx@relatedformat}{semicolon}}%
924   {\setunit{\addsemicolon\space}}%
925   {\setunit{\unspace\space}}%horrible trick
926   \usebibmacro{related:init}%
927   \usebibmacro{related}}%
928   {}%
929   \newunit\newblock
930   \usebibmacro{pageref}%
931   \usebibmacro{finentry}}
932
933 \DeclareBibliographyDriver{incollection}{%
934 \togglefalse{cbx:scauthorscite}}%
935   \usebibmacro{bibindex}%
936   \usebibmacro{begentry}%
937   \usebibmacro{author/translator+others}%
938   \setunit{\labelnamepunct}\newblock
939   \usebibmacro{title}%
940   \newunit
941   \printlist{language}%
942   \newunit\newblock
943   \usebibmacro{byauthor}%
944   \newunit\newblock
945   \usebibmacro{in:}%
946   \iffieldundef{xref}%
947   {\iffieldundef{crossref}{\usebibmacro{incollection:full}}}%
948   {\bbx@crossref@incollection{\thefield{crossref}}}%
949   \newunit\newblock
950   \usebibmacro{crossrefdata}}}%
951   {\bbx@crossref@incollection{\thefield{xref}}}%
952   \newunit\newblock
953   \usebibmacro{xrefdata}}
954
955   \newbibmacro*{incollection:full}{%
956   \usebibmacro{maintitle+booktitle}%
957   \newunit\newblock
958   \usebibmacro{byeditor+others}%
959   \newunit\newblock
960   \printfield{edition}%
961   \newunit
962   \printfield{volumes}%
963   \newunit\newblock
964   \usebibmacro{series+number}%
965   \newunit\newblock
966   \printfield{note}%
967   \newunit\newblock
968   \usebibmacro{publisher+location+date}%
969   \newunit
970   \iffieldundef{maintitle}
971     {\printfield{volume}}%
972     \printfield{part}}
973   {}%
974   \newunit\newblock

```

```

975 \usebibmacro{chapter+pages}%
976 \newunit\newblock
977 \iftoggle{bbx:isbn}
978   {\printfield{isbn}}
979   {}%
980 \newunit\newblock
981 \usebibmacro{doi+eprint+url}%
982 \newunit\newblock
983 \usebibmacro{addendum+pubstate:article-inbook-incoll}%
984 \newblock
985 \iftoggle{bbx:related}
986   {\ifdefstring{\bbx@relatedformat}{semicolon}%
987   {\setunit{\addsemicolon\space}}%
988   {\setunit{\unspace\space}}}%horrible trick
989 \usebibmacro{related:init}%
990 \usebibmacro{related}%
991 {}%
992 \newunit\newblock
993 \usebibmacro{pageref}%
994 \usebibmacro{finentry}}
995
996 \DeclareBibliographyDriver{inproceedings}{%
997 \togglefalse{cbx:scauthorscite}%
998 \usebibmacro{bibindex}%
999 \usebibmacro{begentry}%
1000 \usebibmacro{author/translator+others}%
1001 \setunit{\labelnamepunct}\newblock
1002 \usebibmacro{title}%
1003 \newunit
1004 \printlist{language}%
1005 \newunit\newblock
1006 \usebibmacro{byauthor}%
1007 \newunit\newblock
1008 \usebibmacro{in:}%
1009 \iffieldundef{xref}%
1010   {\iffieldundef{crossref}{\usebibmacro{inproceedings:full}}%
1011   {\bbx@crossref@incollection{\thefield{crossref}}}%
1012   \newunit\newblock
1013   \usebibmacro{crossrefdata}}}%
1014   {\bbx@crossref@incollection{\thefield{xref}}}%
1015   \newunit\newblock
1016   \usebibmacro{xrefdata}}}}
1017
1018 \newbibmacro*{inproceedings:full}{%
1019 \usebibmacro{maintitle+booktitle}%
1020 \newunit\newblock
1021 \usebibmacro{event+venue+date}%
1022 \newunit\newblock
1023 \usebibmacro{byeditor+others}%
1024 \newunit
1025 \printfield{volumes}%
1026 \newunit\newblock

```

```

1027 \usebibmacro{series+number}%
1028 \newunit\newblock
1029 \printfield{note}%
1030 \newunit\newblock
1031 \printlist{organization}%
1032 \newunit
1033 \usebibmacro{publisher+location+date}%
1034 \newunit
1035 \iffieldundef{maintitle}
1036   {\printfield{volume}%
1037     \printfield{part}}
1038   {}%
1039 \newunit\newblock
1040 \usebibmacro{chapter+pages}%
1041 \newunit\newblock
1042 \iftoggle{bbx:isbn}
1043   {\printfield{isbn}}
1044   {}%
1045 \newunit\newblock
1046 \usebibmacro{doi+eprint+url}%
1047 \newunit\newblock
1048 \usebibmacro{addendum+pubstate:article-inbook-incoll}%
1049 \newblock
1050 \iftoggle{bbx:related}
1051   {\ifdefstring{\bbx@relatedformat}{semicolon}%
1052     {\setunit{\addsemicolon\space}}%
1053     {\setunit{\unspace\space}}}%horrible trick
1054 \usebibmacro{related:init}%
1055 \usebibmacro{related}%
1056 {}%
1057 \newunit\newblock
1058 \usebibmacro{pageref}%
1059 \usebibmacro{finentry}}
1060
1061 \DeclareBibliographyDriver{manual}{%
1062   \usebibmacro{bibindex}%
1063   \usebibmacro{begentry}%
1064   \usebibmacro{author/editor}%
1065   \setunit{\labelnamepunct}\newblock
1066   \usebibmacro{title}%
1067   \newunit
1068   \printlist{language}%
1069   \newunit\newblock
1070   \usebibmacro{byauthor}%
1071   \newunit\newblock
1072   \usebibmacro{byeditor}%
1073   \newunit\newblock
1074   \printfield{edition}%
1075   \newunit\newblock
1076   \usebibmacro{series+number}%
1077   \newunit\newblock
1078   \printfield{type}%

```



```

1079 \newunit
1080 \printfield{version}%
1081 \newunit
1082 \printfield{note}%
1083 \newunit\newblock
1084 \printlist{organization}%
1085 \newunit
1086 \usebibmacro{publisher+location+date}%
1087 \newunit\newblock
1088 \usebibmacro{chapter+pages}%
1089 \newunit
1090 \printfield{pagetotal}%
1091 \newunit\newblock
1092 \iftoggle{bbx:isbn}
1093   {\printfield{isbn}}
1094   {}%
1095 \newunit\newblock
1096 \usebibmacro{doi+eprint+url}%
1097 \newunit\newblock
1098 \usebibmacro{addendum+pubstate}%
1099 \newblock
1100 \iftoggle{bbx:related}
1101   {\ifdefstring{\bbx@relatedformat}{semicolon}%
1102     {\setunit{\addsemicolon\space}}%
1103     {\setunit{\unspace\space}}}%horrible trick
1104 \usebibmacro{related:init}%
1105 \usebibmacro{related}%
1106 {}%
1107 \newunit\newblock
1108 \usebibmacro{pageref}%
1109 \usebibmacro{finentry}}
1110
1111 \DeclareBibliographyDriver{misc}{%
1112   \usebibmacro{bibindex}%
1113   \usebibmacro{begentry}%
1114   \usebibmacro{author/editor+others/translator+others}%
1115   \setunit{\labelnamepunct}\newblock
1116   \usebibmacro{title}%
1117   \newunit
1118   \printlist{language}%
1119   \newunit\newblock
1120   \usebibmacro{byauthor}%
1121   \newunit\newblock
1122   \usebibmacro{byeditor+others}%
1123   \newunit\newblock
1124   \printfield{howpublished}%
1125   \newunit\newblock
1126   \printfield{type}%
1127   \newunit
1128   \printfield{version}%
1129   \newunit
1130   \printfield{note}%

```

```

1131 \newunit\newblock
1132 \usebibmacro{organization+location+date}%
1133 \newunit\newblock
1134 \usebibmacro{doi+eprint+url}%
1135 \newunit\newblock
1136 \usebibmacro{addendum+pubstate}%
1137 \newblock
1138 \iftoggle{bbx:related}
1139   {\ifdefstring{\bbx@relatedformat}{semicolon}%
1140    \setunit{\addsemicolon\space}}%
1141   {\setunit{\unspace\space}}%horrible trick
1142 \usebibmacro{related:init}%
1143 \usebibmacro{related}}%
1144 {}%
1145 \newunit\newblock
1146 \usebibmacro{pageref}%
1147 \usebibmacro{finentry}}
1148
1149 \DeclareBibliographyDriver{online}{%
1150 \usebibmacro{bibindex}%
1151 \usebibmacro{begentry}%
1152 \usebibmacro{author/editor+others/translator+others}%
1153 \setunit{\labelnamepunct}\newblock
1154 \usebibmacro{title}%
1155 \newunit
1156 \printlist{language}%
1157 \newunit\newblock
1158 \usebibmacro{byauthor}%
1159 \newunit\newblock
1160 \usebibmacro{byeditor+others}%
1161 \newunit\newblock
1162 \printfield{version}%
1163 \newunit
1164 \printfield{note}%
1165 \newunit\newblock
1166 \printlist{organization}%
1167 \newunit\newblock
1168 \usebibmacro{date}%
1169 \newunit\newblock
1170 \iftoggle{bbx:eprint}
1171   {\usebibmacro{eprint}}
1172   {}%
1173 \newunit\newblock
1174 \usebibmacro{url+urldate}%
1175 \newunit\newblock
1176 \usebibmacro{addendum+pubstate}%
1177 \newblock
1178 \iftoggle{bbx:related}
1179   {\ifdefstring{\bbx@relatedformat}{semicolon}%
1180    \setunit{\addsemicolon\space}}%
1181   {\setunit{\unspace\space}}%horrible trick
1182 \usebibmacro{related:init}%

```

```

1183     \usebibmacro{related}}%
1184     {}%
1185     \newunit\newblock
1186     \usebibmacro{pageref}%
1187     \usebibmacro{finentry}}
1188
1189 \DeclareBibliographyDriver{patent}{%
1190     \usebibmacro{bibindex}%
1191     \usebibmacro{begentry}%
1192     \usebibmacro{author}%
1193     \setunit{\labelnamepunct}\newblock
1194     \usebibmacro{title}%
1195     \newunit
1196     \printlist{language}%
1197     \newunit\newblock
1198     \usebibmacro{byauthor}%
1199     \newunit\newblock
1200     \printfield{type}%
1201     \setunit*{\addspace}%
1202     \printfield{number}%
1203     \iflistundef{location}
1204         {}
1205         {\setunit*{\addspace}%
1206             \printtext[parens]{%
1207                 \printlist[][-\value{listtotal}]{location}}}%
1208     \newunit\newblock
1209     \usebibmacro{byholder}%
1210     \newunit\newblock
1211     \printfield{note}%
1212     \newunit\newblock
1213     \usebibmacro{date}%
1214     \newunit\newblock
1215     \usebibmacro{doi+eprint+url}%
1216     \newunit\newblock
1217     \usebibmacro{addendum+pubstate}%
1218     \newblock
1219     \iftoggle{bbx:related}
1220         {\ifdefstring{\bbx@relatedformat}{semicolon}%
1221             {\setunit{\addsemicolon\space}}%
1222             {\setunit{\unspace\space}}}%horrible trick
1223     \usebibmacro{related:init}%
1224     \usebibmacro{related}}%
1225     {}%
1226     \newunit\newblock
1227     \usebibmacro{pageref}%
1228     \usebibmacro{finentry}}
1229
1230 \DeclareBibliographyDriver{periodical}{%
1231     \usebibmacro{bibindex}%
1232     \usebibmacro{begentry}%
1233     \usebibmacro{editor}%
1234     \setunit{\labelnamepunct}\newblock

```

```

1235 \usebibmacro{title+issuetitle}%
1236 \newunit
1237 \printlist{language}%
1238 \newunit\newblock
1239 \usebibmacro{byeditor}%
1240 \newunit\newblock
1241 \printfield{note}%
1242 \newunit\newblock
1243 \iftoggle{bbx:isbn}
1244   {\printfield{issn}}
1245   {}%
1246 \newunit\newblock
1247 \usebibmacro{doi+eprint+url}%
1248 \newunit\newblock
1249 \usebibmacro{addendum+pubstate}%
1250 \newblock
1251 \iftoggle{bbx:related}
1252   {\ifdefstring{\bbx@relatedformat}{semicolon}%
1253     {\setunit{\addsemicolon\space}}%
1254     {\setunit{\unspace\space}}}%horrible trick
1255 \usebibmacro{related:init}%
1256 \usebibmacro{related}}%
1257 {}%
1258 \newunit\newblock
1259 \usebibmacro{pageref}%
1260 \usebibmacro{finentry}}
1261
1262 \DeclareBibliographyDriver{proceedings}{%
1263   \usebibmacro{bibindex}%
1264   \usebibmacro{begentry}%
1265   \usebibmacro{editor+others}%
1266   \setunit{\labelnamepunct}\newblock
1267   \usebibmacro{maintitle+title}%
1268   \newunit
1269   \printlist{language}%
1270   \newunit\newblock
1271   \usebibmacro{event+venue+date}%
1272   \newunit\newblock
1273   \usebibmacro{byeditor+others}%
1274   \newunit\newblock
1275   \iffieldundef{maintitle}
1276     {\printfield{volume}%
1277       \printfield{part}}
1278     {}%
1279   \newunit
1280   \printfield{volumes}%
1281   \newunit\newblock
1282   \usebibmacro{series+number}%
1283   \newunit\newblock
1284   \printfield{note}%
1285   \newunit\newblock
1286   \printlist{organization}%

```

```

1287 \newunit
1288 \usebibmacro{publisher+location+date}%
1289 \newunit\newblock
1290 \usebibmacro{chapter+pages}%
1291 \newunit
1292 \printfield{pagetotal}%
1293 \newunit\newblock
1294 \iftoggle{bbx:isbn}
1295   {\printfield{isbn}}
1296   {}%
1297 \newunit\newblock
1298 \usebibmacro{doi+eprint+url}%
1299 \newunit\newblock
1300 \usebibmacro{addendum+pubstate}%
1301 \newblock
1302 \iftoggle{bbx:related}
1303   {\ifdefstring{\bbx@relatedformat}{semicolon}%
1304    {\setunit{\addsemicolon\space}}%
1305    {\setunit{\unspace\space}}}%horrible trick
1306 \usebibmacro{related:init}%
1307 \usebibmacro{related}%
1308 {}%
1309 \newunit\newblock
1310 \usebibmacro{pageref}%
1311 \usebibmacro{finentry}}
1312
1313 \DeclareBibliographyDriver{report}{%
1314 \usebibmacro{bibindex}%
1315 \usebibmacro{begentry}%
1316 \usebibmacro{author}%
1317 \setunit{\labelnamepunct}\newblock
1318 \usebibmacro{title}%
1319 \newunit
1320 \printlist{language}%
1321 \newunit\newblock
1322 \usebibmacro{byauthor}%
1323 \newunit\newblock
1324 \printfield{type}%
1325 \setunit*{\addspace}%
1326 \printfield{number}%
1327 \newunit\newblock
1328 \printfield{version}%
1329 \newunit
1330 \printfield{note}%
1331 \newunit\newblock
1332 \usebibmacro{institution+location+date}%
1333 \newunit\newblock
1334 \usebibmacro{chapter+pages}%
1335 \newunit
1336 \printfield{pagetotal}%
1337 \newunit\newblock
1338 \iftoggle{bbx:isbn}

```

```

1339   {\printfield{isrn}}
1340   {}}%
1341   \newunit\newblock
1342   \usebibmacro{doi+eprint+url}%
1343   \newunit\newblock
1344   \usebibmacro{addendum+pubstate}%
1345   \newblock
1346   \iftoggle{bbx:related}
1347     {\ifdefstring{\bbx@relatedformat}{semicolon}}%
1348     {\setunit{\addsemicolon\space}}}%
1349     {\setunit{\unspace\space}}}%horrible trick
1350   \usebibmacro{related:init}%
1351   \usebibmacro{related}}}%
1352   {}}%
1353   \newunit\newblock
1354   \usebibmacro{pageref}%
1355   \usebibmacro{finentry}}
1356
1357 \DeclareBibliographyDriver{thesis}{%
1358   \usebibmacro{bibindex}%
1359   \usebibmacro{begentry}%
1360   \usebibmacro{author}%
1361   \setunit{\labelnamepunct}\newblock
1362   \usebibmacro{title}%
1363   \newunit
1364   \printlist{language}%
1365   \newunit\newblock
1366   \usebibmacro{byauthor}%
1367   \newunit\newblock
1368   \printfield{note}%
1369   \newunit\newblock
1370   \printfield{type}%
1371   \newunit
1372   \usebibmacro{institution+location+date}%
1373   \newunit\newblock
1374   \usebibmacro{chapter+pages}%
1375   \newunit
1376   \printfield{pagetotal}%
1377   \newunit\newblock
1378   \iftoggle{bbx:isbn}
1379     {\printfield{isbn}}
1380     {}}%
1381   \newunit\newblock
1382   \usebibmacro{doi+eprint+url}%
1383   \newunit\newblock
1384   \usebibmacro{addendum+pubstate}%
1385   \newblock
1386   \iftoggle{bbx:related}
1387     {\ifdefstring{\bbx@relatedformat}{semicolon}}%
1388     {\setunit{\addsemicolon\space}}}%
1389     {\setunit{\unspace\space}}}%horrible trick
1390   \usebibmacro{related:init}%

```

```

1391     \usebibmacro{related}}%
1392     {}%
1393     \newunit\newblock
1394     \usebibmacro{pageref}%
1395     \usebibmacro{finentry}}
1396
1397 \DeclareBibliographyDriver{unpublished}{%
1398     \usebibmacro{bibindex}%
1399     \usebibmacro{begentry}%
1400     \usebibmacro{author}%
1401     \setunit{\labelnamepunct}\newblock
1402     \usebibmacro{title}%
1403     \newunit
1404     \printlist{language}%
1405     \newunit\newblock
1406     \usebibmacro{byauthor}%
1407     \newunit\newblock
1408     \printfield{howpublished}%
1409     \newunit\newblock
1410     \printfield{note}%
1411     \newunit\newblock
1412     \usebibmacro{location+date}%
1413     \newunit\newblock
1414     \iftoggle{bbx:url}
1415         {\usebibmacro{url+urldate}}
1416         {}%
1417     \newunit\newblock
1418     \usebibmacro{addendum+pubstate}%
1419     \newblock
1420     \iftoggle{bbx:related}
1421         {\ifdefstring{\bbx@relatedformat}{semicolon}%
1422          \setunit{\addsemicolon\space}}%
1423         {\setunit{\unspace\space}}%horrible trick
1424     \usebibmacro{related:init}%
1425     \usebibmacro{related}}%
1426     {}%
1427     \newunit\newblock
1428     \usebibmacro{pageref}%
1429     \usebibmacro{finentry}}
1430
1431 \DeclareBibliographyDriver{set}{%
1432     \protect\PackageWarningNoLine{biblatex-philosophy}{%
1433         \MessageBreak
1434         Entry type @set is not supported\MessageBreak
1435         by the 'biblatex-philosophy' styles.\MessageBreak
1436         All the @set entries will be ignored}}
1437
1438 % ripristina ordine nome cognome nelle voci inbook:full
1439 \renewbibmacro*{bybookauthor}{%
1440     \ifnameequal{author}{bookauthor}%
1441     {}%
1442     {\printnames[default]{bookauthor}}}

```

```

1443
1444 \newbibmacro*{cross:maintitle+booktitle}{%
1445   \iffieldundef{volume}
1446   }{%
1447   {\printfield{volume}%
1448    \printfield{part}}%
1449   \setunit{\addcolon\space}%
1450   \printfield{booktitle}}}%
1451
1452 \newbibmacro*{xrefdata}{%
1453   \usebibmacro{cross:maintitle+booktitle}%
1454   \newunit\newblock
1455   \usebibmacro{byeditor+others}%
1456   \newunit\newblock
1457   \printfield{edition}%
1458 % \newunit
1459 % \iffieldundef{maintitle}
1460 %   {\printfield{volume}%
1461 %     \printfield{part}}
1462 %   }{%
1463   \newunit
1464   \printfield{volumes}%
1465   \newunit\newblock
1466   \usebibmacro{series+number}%
1467   \newunit\newblock
1468   \printfield{note}%
1469   \newunit\newblock
1470   \usebibmacro{publisher+location+date}%
1471   \newunit\newblock
1472   \usebibmacro{chapter+pages}%
1473   \newunit\newblock
1474   \iftoggle{bbx:isbn}
1475     {\printfield{isbn}}
1476     }{%
1477   \newunit\newblock
1478   \usebibmacro{doi+eprint+url}%
1479   \newunit\newblock
1480   \usebibmacro{addendum+pubstate:article-inbook-incoll}%
1481   \newblock
1482   \iftoggle{bbx:related}
1483     {\ifdefstring{\bbx@relatedformat}{semicolon}%
1484      {\setunit{\addsemicolon\space}}}%
1485     {\setunit{\unspace\space}}}%horrible trick
1486   \usebibmacro{related:init}%
1487   \usebibmacro{related}}}%
1488   }{%
1489   \newunit\newblock
1490   \usebibmacro{pageref}%
1491   \usebibmacro{finentry}}
1492
1493 \newbibmacro*{crossrefdata}{%
1494   \iffieldundef{maintitle}

```



```

1495   {\printfield{volume}%
1496     \printfield{part}}
1497   {}%
1498   \newunit\newblock
1499   \usebibmacro{chapter+pages}%
1500   \newunit\newblock
1501   \iftoggle{bbx:isbn}
1502     {\printfield{isbn}}
1503     {}%
1504   \newunit\newblock
1505   \usebibmacro{doi+eprint+url}%
1506   \newblock
1507   \iftoggle{bbx:related}
1508     {\ifdefstring{\bbx@relatedformat}{semicolon}%
1509       {\setunit{\addsemicolon\space}}%
1510       {\setunit{\unspace\space}}}%horrible trick
1511   \usebibmacro{related:init}%
1512   \usebibmacro{related}%
1513   {}%
1514   \newunit\newblock
1515   \usebibmacro{pageref}%
1516   \usebibmacro{finentry}}

```

Experimental drivers for jurisprudence This feature is available for now only for Italian documents.

```

1517 %\DeclareFieldFormat[jurisprudence]{title}{#1}
1518 %\DeclareFieldFormat[jurisprudence]{pages}{#1}
1519 %\ExecuteBibliographyOptions[jurisprudence]{skipbib=true}%
1520 \DeclareFieldFormat[jurisdiction]{volume}{\RN{#1}}
1521 \DeclareFieldFormat[jurisdiction]{number}{\bibsstring{number}~{#1}}
1522 \DeclareFieldFormat[jurisdiction]{nameaddon}{%
1523   \ifinteger{#1}{\bibcsstring{section}~\RN{#1}}{#1}}
1524 \DeclareFieldFormat[jurisdiction]{pages}{%
1525   \iffieldequalstr{bookpagination}{#1}{\mkpageprefix[bookpagination]{#1}}
1526 \DeclareFieldFormat[jurisdiction]{title}{%
1527   \iffieldequalstr{entrysubtype}{international}{\emph{#1}}{#1}}
1528 \DeclareFieldFormat[jurisdiction]{notacomm}{nt\addoddspace#1}

```

A new macro to manage authors of @jurisdiction entries.

```
1529 \newbibmacro*{juris:author}{%
```

Use the default name format: “name surname”

```

1530 \DeclareNameAlias{sortname}{default}%
1531   \ifboolexpr{%
1532     test \ifuseauthor
1533     and
1534     not test {\ifnameundef{author}}
1535   }%
1536   {%
1537     \iffieldequalstr{type}{conclusions}{%
1538       \printtext{Conclusioni dell'Avv\addoddspace generale}%
1539       \setunit{\addspace}}}%
1540 \printnames{author}%

```

```

1541     \iffielddundef{authortype}
1542     {}
1543     {\setunit{\addcomma\space}%
1544 \usebibmacro{authorstrg}}
1545     }%
1546 \iffieldequalstr{type}{conclusions}{%
1547     \setunit{\addspace}%
1548     \printtext{presentate il}%
1549     \setunit{\addspace}%
1550 }{%
1551     \setunit{\addcomma\space}%
1552     \iffielddundef{nameaddon}{}%
1553 \printtext{\printfield{nameaddon}%
1554 \setunit{\addcomma\space}}}%
1555 }%
1556     \printeventdate}
1557
1558 \newbibmacro*{addendum+pubstate:juris}{%
1559     \printfield{usera}%notacomm
1560     \newunit\newblock
1561     \printfield{addendum}%
1562     \newunit\newblock
1563     \printfield{pubstate}%
1564     \ifdefstring{\bbx@origfields}{none}{}%
1565     \newunit\newblock
1566     \usebibmacro{origdata:article-inbook}}%
1567     \newunit\newblock
1568     \usebibmacro{library}}
1569
1570 \DeclareBibliographyDriver{jurisdiction}{%
1571     \usebibmacro{bibindex}%
1572     \usebibmacro{begentry}%
1573     \usebibmacro{juris:author}%
1574     \setunit{\labelnamepunct}\newblock
1575     \usebibmacro{title}%
1576     \newunit\newblock
1577     \usebibmacro{series+number}%
1578     \printlist{language}%
1579     \newunit\newblock
1580     \usebibmacro{byauthor}%
1581     \newunit\newblock
1582     \iffielddundef{booktitle}{}%
1583     \usebibmacro{in:}%
1584     \usebibmacro{maintitle+booktitle}%
1585     \newunit\newblock
1586 \printtext{%
1587 \printfield{labeleyear}%
1588 \printfield{extrayear}}
1589     \usebibmacro{byeditor+others}%
1590     \newunit\newblock
1591     \printfield{edition}%
1592     \newunit

```

```

1593 % \iffielddundef{maintitle}
1594   {\printfield{volume}}%
1595   \printfield{part}}
1596   {}%
1597 \newunit
1598 \printfield{volumes}%
1599 \newunit\newblock
1600 \printfield{note}%
1601 \newunit\newblock
1602 \usebibmacro{publisher+location+date}%
1603 \newunit\newblock
1604 \usebibmacro{chapter+pages}%
1605 \newunit\newblock
1606 \iftoggle{bbx:isbn}
1607   {\printfield{isbn}}
1608   {}%
1609 \newunit\newblock}
1610 \usebibmacro{doi+eprint+url}%
1611 \newunit\newblock
1612 \usebibmacro{addendum+pubstate:juris}%
1613 \newblock
1614 \iftoggle{bbx:related}
1615   {\ifdefstring{\bbx@relatedformat}{semicolon}}%
1616   {\setunit{\addsemicolon\space}}%
1617   {\setunit{\unspace\space}}%horrible trick
1618   \usebibmacro{related:init}%
1619   \usebibmacro{related}}%
1620   {}%
1621 \newunit\newblock
1622 \usebibmacro{pageref}%
1623 \usebibmacro{finentry}}

Define new fields for @jurisdiction entry types and orig- fields mechanism:
1624 \ifblx@load@version@legacy
1625 \else
1626 \DeclareStyleSourcemap{
1627 \maps[datatype=bibtex]{
1628   \map{
1629     \step[fieldsource=court      , fieldtarget=author]
1630     \step[fieldsource=notacomm  , fieldtarget=usera]
1631     \step[fieldsource=section   , fieldtarget=nameaddon]
1632     \step[fieldsource=transdate , fieldtarget=origdate]
1633     \step[fieldsource=transtitle, fieldtarget=origtitle]
1634     \step[fieldsource=tranpublisher, fieldtarget=origpublisher]
1635     \step[fieldsource=translocation, fieldtarget=origlocation]
1636     \step[fieldsource=transbooktitle, fieldtarget=usera]
1637     \step[fieldsource=transnote , fieldtarget=userb]
1638     \step[fieldsource=transpages , fieldtarget=userc]
1639     \step[fieldsource=origbooktitle , fieldtarget=usera]
1640     \step[fieldsource=orignote   , fieldtarget=userb]
1641     \step[fieldsource=origpages  , fieldtarget=userc]
1642   }

```

```

1643   }
1644 }
1645 \DeclareDataInheritance*{*}{*}{\noinherit{annotation}}
1646 \fi
1647
1648 \DeclareFieldAlias[jurisdiction]{usera}[jurisdiction]{notacomm}
1649 \DeclareFieldAlias[jurisdiction]{nameaddon}[jurisdiction]{section}
1650 \DeclareFieldAlias[jurisdiction]{author}[jurisdiction]{court}
1651

```

7.2 philosophy-classic.bbx

7.2.1 Initial settings

```

1652 \RequireBibliographyStyle{authoryear}
1653 \RequireBibliographyStyle{philosophy-standard}
1654
1655 \newtoggle{bbx:square}
1656 \newtoggle{bbx:nodate}
1657
1658 \DeclareBibliographyOption{square}[true]{%
1659   \settoggle{bbx:square}{#1}}
1660 \DeclareBibliographyOption{nodate}[true]{%
1661   \settoggle{bbx:nodate}{#1}}
1662
1663 \ExecuteBibliographyOptions{%
1664   nodate      = true,
1665   uniquename = false,
1666   pagetracker = true,
1667   singletitle = false,
1668   square      = false,
1669   mergedate  = basic,
1670   dashed     = true,
1671 }

```

The classic and modern styles redefine the `relateddate` and `commarelateddate` macros because the date have to be printed after the name of the author/editor. In the list of shorthands we need a standard entry, with the date at the end and no date after the name of the author/editor so we overwrite these macros locally:

```

1672 \AtBeginShorthands{%
1673 \togglefalse{bbx:annotation}%
1674 \renewcommand{\labelnamepunct}{\addcomma\space}%
1675 \renewbibmacro*{relateddate}{%
1676   \setunit*{\addspace}%
1677   \printdate}%
1678 \renewbibmacro*{commarelateddate}{%
1679   \setunit*{\addcomma\space}%
1680   \printdate}%
1681 \DeclareCiteCommand{\bbx@crossref@inbook}
1682   {}%
1683   {\iffieldundef{shorthand}{%
1684     \usebibmacro{citeindex}%

```

```

1685 \ifuseeditor{%
1686   \ifthenelse{\value{listtotal}=2}%
1687     {\printnames[][-\value{maxnamesincross}]{labelname}}%
1688     {\printnames[][-\value{minnamesincross}]{labelname}}}%
1689   {\usebibmacro{labeltitle}}%
1690   \setunit*{\addspace}%
1691   \usebibmacro{date+extrayear:crossref}}%
1692   {\usebibmacro{cite:shorthand}}}%
1693 {}%
1694 {}%
1695 \DeclareCiteCommand{\bbx@crossref@incollection}%
1696 {}%
1697 {\iffieldundef{shorthand}{%
1698   \usebibmacro{citeindex}}%
1699 \ifuseeditor{%
1700   \ifthenelse{\value{listtotal}=2}%
1701     {\printnames[][-\value{maxnamesincross}]{labelname}}%
1702     {\printnames[][-\value{minnamesincross}]{labelname}}}%
1703   {\usebibmacro{labeltitle}}%
1704   \setunit*{\addspace}%
1705   \usebibmacro{date+extrayear:crossref}}%
1706   {\usebibmacro{cite:shorthand}}}%
1707 {}%
1708 {}%
1709 \newbibmacro*{date+extrayear:crossref}{%
1710   \begingroup%
1711     \clearfield{month}%
1712     \clearfield{day}%
1713     \ifboolexpr{%
1714       test {\iffieldundef{date}}
1715       and
1716       test {\iffieldundef{year}}
1717     }%
1718     {\iftoggle{bbx:nodate}{\printtext [parens]{%
1719       \midsentence\bibstring{nodate}}}{}}%
1720     {\printtext [parens]{\printdateextra}}%
1721     \endgroup}%
1722 \newbibmacro*{date+extrayear}{}%
1723 % for article entries:
1724 \renewbibmacro*{date}{\printdate}%
1725 \renewbibmacro*{issue+date}{%
1726   \printtext [pureparens]{%
1727     \iffieldundef{issue}
1728     {\usebibmacro{date}}
1729     {\printfield{issue}}%
1730     \setunit*{\addspace}%
1731     \usebibmacro{date}}}%
1732 \newunit}
1733 }%
1734
1735 \AtBeginDocument{%
1736   \iftoggle{bbx:square}

```

```

1737   {\renewcommand{\bibopenparen}{\bibopenbracket}}%
1738   \renewcommand{\bibcloseparen}{\bibclosebracket}}}%
1739   {}%
1740   \setcounter{maxnamesincross}{\value{maxnames}}}%
1741   \setcounter{minnamesincross}{\value{minnames}}}%
1742 }%
1743
1744 \AtEveryBibitem{%
1745 \iffieldequalstr{entrysubtype}{classic}{%
1746   \togglefalse{bbx:nodate}}}%
1747

```

7.2.2 New macros

Renew the bibliography macro ‘relateddate’ to delete the date at the end of the entry:

```

1748 \renewbibmacro*{relateddate}{}
1749 \renewbibmacro*{commarelateddate}{}

```

Dates

```

1750 \renewbibmacro*{issue+date}{%
1751   \ifboolexpr{%
1752     test {\iffieldundef{issue}}
1753     and
1754     test {\iffieldundef{month}}
1755   }%
1756   {}%
1757   {\ifdefstring{\bbx@volnumformat}{parens}}%
1758   {\printtext{%
1759     \printfield{issue}\setunit*{\addspace}%
1760     \printdate}}}%
1761   {\printtext[pureparens]{%
1762     \printfield{issue}\setunit*{\addspace}%
1763     \printdate}}}%
1764   \newunit}%

```

Delete “month” from \printdateextra to print open ranges such as: “1968-”:

```

1765 \renewbibmacro*{date+extrayear}{%
1766   \begingroup%
1767     \clearfield{month}%
1768     \clearfield{day}%
1769   \ifboolexpr{%
1770     test {\iffieldundef{date}}
1771     and
1772     test {\iffieldundef{year}}
1773   }%
1774   {\iftoggle{bbx:nodate}{\printtext[parens]{%
1775     \midsentence\bibstring{nodate}}}{}}}%
1776   {\printtext[parens]{\printdateextra}}}%
1777   \endgroup}%

```

Authors and editors

```

1778 \renewbibmacro*{author}{%

```

```

1779 \ifboolexpr{%
1780   test \ifuseauthor
1781   and
1782   not test {\ifnameundef{author}}
1783 }%
1784   {\usebibmacro{bbx:dashcheck}%
1785     {\bibnamedash}%
1786     {\usebibmacro{bbx:savehash}%
1787       \printnames{author}%
1788       \iffieldundef{nameaddon}{}}%
1789     {\setunit{\addspace}%
1790       \printtext[brackets]{\printfield{nameaddon}}}%
1791 \iffieldundef{authortype}%
1792   {\setunit{\addspace}}%
1793   {\setunit{\addcomma\space}}}%
1794   \iffieldundef{authortype}%
1795   {}%
1796   {\usebibmacro{authorstrg}%
1797 \setunit{\addspace}}}%
1798   {\global\undef\bbx@lasthash%
1799   \usebibmacro{labeltitle}%
1800   \setunit*{\addspace}}}%
1801 \usebibmacro{date+extrayear}}%
1802
1803 \renewbibmacro*{editor}{%
1804   \usebibmacro{bbx:editor}{editorstrg}}%
1805 \renewbibmacro*{editor+others}{%
1806   \usebibmacro{bbx:editor}{editor+othersstrg}}%
1807 \renewbibmacro*{bbx:editor}[1]{%
1808   \ifboolexpr{%
1809     test \ifuseeditor
1810     and
1811     not test {\ifnameundef{editor}}
1812   }%
1813     {\usebibmacro{bbx:dashcheck}%
1814       {\bibnamedash}%
1815       {\printnames{editor}}%
1816 \setunit{\addspace}%
1817 \usebibmacro{bbx:savehash}}%
1818     \usebibmacro{#1}%
1819     \clearname{editor}%
1820     \setunit{\addspace}}%
1821     {\global\undef\bbx@lasthash%
1822     \usebibmacro{labeltitle}%
1823     \setunit*{\addspace}}}%
1824 \usebibmacro{date+extrayear}}%

```

7.2.3 Internal commands for crossreferences

```

1825 \DeclareCiteCommand{\bbx@crossref@inbook}%
1826   {}%
1827   {\usebibmacro{citeindex}}%

```

```

1828 \ifuseeditor{%
1829   \ifthenelse{\value{listtotal}=2}%
1830     {\printnames[][-\value{maxnamesincross}]{labelname}}%
1831     {\printnames[][-\value{minnamesincross}]{labelname}}}%
1832   {\usebibmacro{labeltitle}}%
1833   \setunit*{\addspace}%
1834   \usebibmacro{date+extrayear}}%
1835 {}%
1836 {}%
1837
1838 \DeclareCiteCommand{\bbx@crossref@incollection}%
1839 {}%
1840 {\usebibmacro{citeindex}}%
1841 \ifuseeditor{%
1842   \ifthenelse{\value{listtotal}=2}%
1843     {\printnames[][-\value{maxnamesincross}]{labelname}}%
1844     {\printnames[][-\value{minnamesincross}]{labelname}}}%
1845   {\usebibmacro{labeltitle}}%
1846   \setunit*{\addspace}%
1847   \usebibmacro{date+extrayear}}%
1848 {}%
1849 {}%

```

The `restoreclassic` option is redundant for the `philosophy-classic` style. Anyway it is defined to avoid error messages:

```

1850 \define@key{blx@bib1}{restoreclassic}[]{}
1851 \define@key{blx@bib2}{restoreclassic}[true]{}

```

7.2.4 The `nodate` option for `\printbibliography`

```

1852 \define@key{blx@bib1}{nodate}[]{}%
1853 \define@key{blx@bib2}{nodate}[true]{}%
1854 \ifstrequal{#1}{false}{%
1855   \togglefalse{bbx:nodate}}%
1856 }{}%

```

7.3 `philosophy-modern.bbx`

7.3.1 Initial settings

```

1857 \RequireBibliographyStyle{philosophy-classic}

```

The `modern` style has only one specific option which is turned off by default:

```

1858 \newtoggle{bbx:yearleft}
1859 \DeclareBibliographyOption{yearleft}[true]{}%
1860 \settoggle{bbx:yearleft}{#1}}
1861 \ExecuteBibliographyOptions{%
1862   yearleft=false}

```

7.3.2 New lengths

```

1863 \newlength{\yeartitle}
1864 \newlength{\postnamesep}
1865 \setlength{\yeartitle}{0.8em}
1866 \setlength{\postnamesep}{0.5ex plus 2pt minus 1pt}
1867 \setlength{\bibitemsep}{\postnamesep}

```



```

1868 \setlength{\bibnamesep}{1.5ex plus 2pt minus 1pt}
1869 \setlength{\bibhang}{4\parindent}
1870
1871 \AtBeginBibliography{%
1872 \iftoggle{bbx:yearleft}{%
1873 \setlength{\yeartitle}{\fill}}%
1874 {}

```

7.3.3 New commands

```

1875 \newcommand{\postsep}{\par\nobreak\vskip\postnamesep%
1876 \hskip-\bibhang\ignorespaces}
1877 \renewcommand{\labelnamepunct}{}
1878
1879 \AtBeginShorthands{%
1880 \renewcommand{\postsep}{\addspace}%
1881 \renewcommand{\labelnamepunct}{\newunitpunct}}

```

7.3.4 New macros

Dates

```

1882 \renewbibmacro*{date+extrayear}{%
1883 \begingroup%
1884 \clearfield{month}%
1885 \clearfield{day}%
1886 \makebox[\bibhang][r]{\printtext{%
1887 \ifboolexpr{%
1888 test {\iffieldundef{date}}
1889 and
1890 test {\iffieldundef{year}}
1891 }%
1892 {\iftoggle{bbx:nodate}{\printtext{%
1893 \midsentence\bibstring{nodate}}{}}%
1894 {\printtext{\printdateextra}}%
1895 \hskip\yeartitle}}%
1896 \endgroup}%
1897
1898 \renewbibmacro*{labeltitle}{%
1899 \iffieldundef{label}%
1900 {\iffieldundef{shorttitle}%
1901 {\printfield{title}\clearfield{title}}%
1902 {\printfield[title]{shorttitle}}}%
1903 {\printtext{\printfield{label}}}%
1904 \postsep}}

```

Authors and editors

```

1905 \renewbibmacro*{author}{%
1906 \ifboolexpr{%
1907 test \ifuseauthor
1908 and
1909 not test {\ifnameundef{author}}
1910 }%
1911 {\usebibmacro{bbx:dashcheck}}%

```

```

1912     {}%
1913     {\usebibmacro{bbx:savehash}%
1914       \printnames{author}%
1915       \iffieldundef{nameaddon}{}%
1916       {\setunit{\addspace}%
1917         \printtext[brackets]{\printfield{nameaddon}}}%
1918       \iffieldundef{authortype}%
1919       {}%
1920       {\setunit{\addcomma\space}}%
1921       \usebibmacro{authorstrg}%
1922     \postsep}}%
1923     {\global\undef\bbx@lasthash%
1924     \usebibmacro{labeltitle}%
1925     \setunit*{\addspace}}%
1926 \usebibmacro{date+extrayear}}%
1927
1928 \renewbibmacro*{editor}{%
1929   \usebibmacro{bbx:editor}{editorstrg}}%
1930 \renewbibmacro*{editor+others}{%
1931   \usebibmacro{bbx:editor}{editor+othersstrg}}%
1932 \renewbibmacro*{bbx:editor}[1]{%
1933   \ifboolexpr{%
1934     test \ifuseeditor
1935     and
1936     not test {\ifnameundef{editor}}
1937   }%
1938   {\usebibmacro{bbx:dashcheck}%
1939     {}%
1940     {\printnames{editor}%
1941       \postsep%ADD
1942       \usebibmacro{bbx:savehash}}}%
1943   {\global\undef\bbx@lasthash%
1944     \usebibmacro{labeltitle}}%
1945   \usebibmacro{date+extrayear}%
1946   \iffieldundef{label}%
1947   {\usebibmacro{#1}}%
1948   \clearname{editor}%
1949   \printtext{\addcomma\space}{}}%

```

7.3.5 Internal commands for crossreferences

```

1950 \DeclareCiteCommand{\bbx@crossref@inbook}%
1951   {}%
1952   {\usebibmacro{citeindex}%
1953   \ifuseeditor{%
1954     \ifthenelse{\value{listtotal}=2}%
1955     {\printnames[][-\value{maxnamesincross}]{labelname}}%
1956     {\printnames[][-\value{minnamesincross}]{labelname}}}%
1957   {\usebibmacro{labeltitle}}%
1958   \setunit*{\addspace}%
1959   \usebibmacro{classic:date+extrayear}}%
1960 {}%

```

```

1961 {}%
1962
1963 \DeclareCiteCommand{\bbx@crossref@incollection}%
1964 {}%
1965 {\usebibmacro{citeindex}%
1966 \ifuseeditor{%
1967   \ifthenelse{\value{listtotal}=2}%
1968     {\printnames[][-\value{maxnamesincross}]{labelname}}%
1969     {\printnames[][-\value{minnamesincross}]{labelname}}}%
1970 {\usebibmacro{labeltitle}}}%
1971 \setunit*{\addspace}%
1972 \usebibmacro{classic:date+extrayear}}%
1973 {}%
1974 {}%
1975
1976 \newbibmacro*{classic:date+extrayear}{%
1977   \begingroup%
1978     \clearfield{month}%
1979     \clearfield{day}%
1980   \ifboolexpr{%
1981     test {\iffieldundef{date}}
1982     and
1983     test {\iffieldundef{year}}
1984   }%
1985     {\iftoggle{bbx:nodate}{\printtext[parens]{%
1986       \midsentence\bibstring{nodate}}}{}}}%
1987     {\printtext[parens]{%
1988       \printfield{labelyear}%
1989       \printfield{extrayear}}}%
1990     \endgroup}%

```

7.3.6 The restoreclassic option

```

1991 \define@key{blx@bib1}{restoreclassic}[]{}
1992 \define@key{blx@bib2}{restoreclassic}[true]{%
1993   \ifstrequal{#1}{true}{%
1994     \setlength{\bibhang}{\parindent}%
1995     \renewcommand{\labelnamepunct}{\newunitpunct}%
1996 \renewbibmacro*{date+extrayear}{%
1997   \begingroup%
1998     \clearfield{month}%
1999     \clearfield{day}%
2000   \ifboolexpr{%
2001     test {\iffieldundef{date}}
2002     and
2003     test {\iffieldundef{year}}
2004   }%
2005     {\iftoggle{bbx:nodate}{\printtext[parens]{%
2006       \midsentence\bibstring{nodate}}}{}}}%
2007     {\printtext[parens]{\printdateextra}}}%
2008     \endgroup}%
2009 \renewbibmacro*{author}{%
2010   \ifboolexpr{%

```

```

2011 test \ifuseauthor
2012 and
2013 not test {\ifnameundef{author}}
2014 }%
2015 {\usebibmacro{bbx:dashcheck}%
2016   {\bibnamedash}%
2017   {\usebibmacro{bbx:savehash}%
2018     \printnames{author}%
2019     \iffieldundef{nameaddon}{}}%
2020   {\setunit{\addspace}%
2021     \printtext[brackets]{\printfield{nameaddon}}}%
2022 \iffieldundef{authortype}%
2023   {\setunit{\addspace}}%
2024   {\setunit{\addcomma\space}}}%
2025   \iffieldundef{authortype}%
2026   {}%
2027   {\usebibmacro{authorstrg}%
2028 \setunit{\addspace}}}%
2029   {\global\undef\bbx@lasthash%
2030   \usebibmacro{labeltitle}%
2031   \setunit*{\addspace}}%
2032   \usebibmacro{date+extrayear}}%
2033 \renewbibmacro*{editor}{%
2034   \usebibmacro{bbx:editor}{editorstrg}}%
2035 \renewbibmacro*{editor+others}{%
2036   \usebibmacro{bbx:editor}{editor+othersstrg}}%
2037 \renewbibmacro*{bbx:editor}[1]{%
2038   \ifboolexpr{%
2039     test \ifuseeditor
2040     and
2041     not test {\ifnameundef{editor}}
2042   }%
2043   {\usebibmacro{bbx:dashcheck}%
2044     {\bibnamedash}%
2045     {\printnames{editor}%
2046 \setunit{\addspace}%
2047 \usebibmacro{bbx:savehash}}%
2048     \usebibmacro{#1}%
2049     \clearname{editor}%
2050     \setunit{\addspace}}%
2051   {\global\undef\bbx@lasthash%
2052   \usebibmacro{labeltitle}%
2053   \setunit*{\addspace}}%
2054   \usebibmacro{date+extrayear}}%
2055 \renewbibmacro*{labeltitle}{%
2056   \iffieldundef{label}%
2057   {\iffieldundef{shorttitle}%
2058     {\printfield{title}%
2059     \clearfield{title}}%
2060     {\printfield[title]{shorttitle}}}%
2061   {\printfield{label}}}%
2062 }{}%

```

7.4 philosophy-verbose.bbx

7.4.1 Initial settings

```

2063 \RequireBibliographyStyle{authortitle}
2064 \RequireBibliographyStyle{philosophy-standard}
2065
2066 \DeclareFieldFormat{edition}{%
2067   \ifinteger{#1}{%
2068     \ifdefstring{\bbx@editionformat}{arabic}
2069       {\mkbibordedition{#1}~\bibstring{edition}}
2070     {\ifdefstring{\bbx@editionformat}{Roman}%
2071       {\RN{#1}~\bibstring{edition}}%
2072     {\ifdefstring{\bbx@editionformat}{romansc}%
2073       {\textsc{\RN{#1}}~\bibstring{edition}}%
2074     {\ifdefstring{\bbx@editionformat}{roman}%
2075       {\RN{#1}~\bibstring{edition}}
2076     {\ifdefstring{\bbx@editionformat}{superscript}%
2077       {\mkbibsuperscript{#1}}%
2078     {\optionerror{editionformat}}}}}}}{#1}}\% \isdot??
2079
2080 \AtBeginShorthands{%

```

The annotation field is omitted in the list of shorthands:

```
2081 \togglefalse{bbx:annotation}%
```

In the list of shorthands we always use the shorthand for the cross-referenced entries:

```

2082 \DeclareCiteCommand{\bbx@crossref@inbook}{%
2083   }{%
2084   {\iffieldundef{shorthand}%
2085     {\usebibmacro{inbook:full}}%
2086     {\usebibmacro{cite:shorthand}}}%
2087   }{%
2088   }%
2089 \DeclareCiteCommand{\bbx@crossref@incollection}{%
2090   }{%
2091   {\iffieldundef{shorthand}%
2092     {\usebibmacro{incollection:full}}%
2093     {\usebibmacro{cite:shorthand}}}%
2094   }{%
2095   }%
2096 }

```

Authors and editors

```

2097 \renewbibmacro*{author}{%
2098   \ifboolexpr{%
2099     test \ifuseauthor
2100     and
2101     not test {\ifnameundef{author}}
2102   }%
2103   {\usebibmacro{bbx:dashcheck}%
2104     {\bibnamedash}%
2105     {\printnames{author}}%
2106     \iffieldundef{nameaddon}}%

```

```

2107     {\setunit{\addspace}%
2108     \printtext[brackets]{\printfield{nameaddon}}}%
2109 \setunit{\addcomma\space}%
2110 \usebibmacro{bbx:savehash}%
2111     \usebibmacro{authorstrg}}%
2112     {\global\undef\bbx@lasthash}}%
2113
2114 \renewbibmacro*{editor}{%
2115     \usebibmacro{bbx:editor}{editorstrg}}%
2116 \renewbibmacro*{editor+others}{%
2117     \usebibmacro{bbx:editor}{editor+othersstrg}}%
2118 \renewbibmacro*{bbx:editor}[1]{%
2119     \ifboolexpr{%
2120         test \ifuseeditor
2121         and
2122         not test {\ifnameundef{editor}}
2123     }%
2124     {\usebibmacro{bbx:dashcheck}%
2125         {\bibnamedash}%
2126         {\printnames{editor}}%
2127 \setunit{\addspace}% #MOD#
2128         \usebibmacro{bbx:savehash}}%
2129     \usebibmacro{#1}%
2130     \clearname{editor}}%
2131     {\global\undef\bbx@lasthash}}%

```

7.4.2 Internal commands for crossreferences

```

2132 \newbibmacro*{nodash:author}{%
2133     \ifboolexpr{%
2134         test \ifuseauthor
2135         and
2136         not test {\ifnameundef{author}}
2137     }%
2138     {\printnames{author}%
2139         \iffieldundef{nameaddon}{}%
2140         {\setunit{\addspace}%
2141         \printtext[brackets]{\printfield{nameaddon}}}}%
2142 \setunit{\addcomma\space}%
2143     \usebibmacro{authorstrg}}%
2144     {\global\undef\bbx@lasthash}}
2145
2146 \newbibmacro*{nodash:editor+others}{%
2147     \usebibmacro{nodash:bbx:editor}{editor+othersstrg}}%
2148 \newbibmacro*{nodash:bbx:editor}[1]{%
2149     \ifboolexpr{%
2150         test \ifuseeditor
2151         and
2152         not test {\ifnameundef{editor}}
2153     }%
2154     {\printnames{editor}}%
2155 \setunit{\addspace}%

```

```

2156     \usebibmacro{#1}%
2157     \clearname{editor}%
2158     {\global\undef\bbx@lasthash}}
2159
2160 \newbibmacro*{nodash:author/editor+others/translator+others}{%
2161   \ifboolexpr{
2162     test \ifuseauthor
2163     and
2164     not test {\ifnameundef{author}}}
2165   }
2166   {\usebibmacro{nodash:author}}
2167   {\ifboolexpr{
2168     test \ifuseeditor
2169     and
2170     not test {\ifnameundef{editor}}}
2171   }
2172   {\usebibmacro{nodash:editor+others}}
2173   {\usebibmacro{translator+others}}}}
2174
2175 \renewbibmacro*{relateddate}{%
2176   \setunit*{\addspace}%
2177   \printdate\ifdefstring{\bbx@editionformat}{superscript}{\printfield{edition}}{}}
2178 \renewbibmacro*{commarelateddate}{%
2179   \setunit*{\addcomma\space}%
2180   \printdate\ifdefstring{\bbx@editionformat}{superscript}{\printfield{edition}}{}}
2181
2182 \DeclareBibliographyDriver{book}{%
2183   \usebibmacro{bibindex}%
2184   \usebibmacro{begentry}%
2185   \usebibmacro{author/editor+others/translator+others}%
2186   \setunit{\labelnamepunct}\newblock
2187   \usebibmacro{maintitle+title}%
2188   \newunit
2189   \printlist{language}%
2190   \newunit\newblock
2191   \usebibmacro{byauthor}%
2192   \newunit\newblock
2193   \usebibmacro{byeditor+others}%
2194   \newunit\newblock
2195   \ifdefstring{\bbx@editionformat}{superscript}{}%
2196   {\printfield{edition}}%
2197   \newunit}%
2198   \printfield{volumes}%
2199   \newunit\newblock
2200   \usebibmacro{series+number}%
2201   \newunit\newblock
2202   \printfield{note}%
2203   \newunit\newblock
2204   \usebibmacro{publisher+location+date}%
2205   \newunit
2206   \iffieldundef{maintitle}
2207   {\printfield{volume}}%

```

```

2208     \printfield{part}}
2209     {}%
2210 \newunit\newblock
2211 \usebibmacro{chapter+pages}%
2212 \newunit
2213 \printfield{pagetotal}%
2214 \newunit\newblock
2215 \iftoggle{bbx:isbn}
2216     {\printfield{isbn}}
2217     {}%
2218 \newunit\newblock
2219 \usebibmacro{doi+eprint+url}%
2220 \newunit\newblock
2221 \usebibmacro{addendum+pubstate}%
2222 \newblock
2223 \iftoggle{bbx:related}
2224     {\ifdefstring{\bbx@relatedformat}{semicolon}%
2225     {\setunit{\addsemicolon\space}}%
2226     {\setunit{\unspace\space}}}%horrible trick
2227 \usebibmacro{related:init}%
2228 \usebibmacro{related}%
2229     {}%
2230 \newunit\newblock
2231 \usebibmacro{pageref}%
2232 \usebibmacro{finentry}}
2233
2234 \DeclareBibliographyDriver{collection}{%
2235     \usebibmacro{bibindex}%
2236     \usebibmacro{begentry}%
2237     \usebibmacro{editor+others}%
2238     \setunit{\labelnamepunct}\newblock
2239     \usebibmacro{maintitle+title}%
2240     \newunit
2241     \printlist{language}%
2242     \newunit\newblock
2243     \usebibmacro{byeditor+others}%
2244     \newunit\newblock
2245     \ifdefstring{\bbx@editionformat}{superscript}{}%
2246     {\printfield{edition}%
2247     \newunit}%
2248     \iffieldundef{maintitle}
2249         {\printfield{volume}%
2250         \printfield{part}}
2251         {}%
2252     \newunit
2253     \printfield{volumes}%
2254     \newunit\newblock
2255     \usebibmacro{series+number}%
2256     \newunit\newblock
2257     \printfield{note}%
2258     \newunit\newblock
2259     \usebibmacro{publisher+location+date}%

```



```

2260 \newunit\newblock
2261 \usebibmacro{chapter+pages}%
2262 \newunit
2263 \printfield{pagetotal}%
2264 \newunit\newblock
2265 \iftoggle{bbx:isbn}
2266   {\printfield{isbn}}
2267   {}%
2268 \newunit\newblock
2269 \usebibmacro{doi+eprint+url}%
2270 \newunit\newblock
2271 \usebibmacro{addendum+pubstate}%
2272 \newblock
2273 \iftoggle{bbx:related}
2274   {\ifdefstring{\bbx@relatedformat}{semicolon}}%
2275   {\setunit{\addsemicolon\space}}%
2276   {\setunit{\unspace\space}}}%horrible trick
2277 \usebibmacro{related:init}%
2278 \usebibmacro{related}}%
2279 {}%
2280 \newunit\newblock
2281 \usebibmacro{pageref}%
2282 \usebibmacro{finentry}}
2283
2284 \renewbibmacro*{inbook:full}{%
2285 \usebibmacro{bybookauthor}%
2286 \newunit\newblock
2287 \usebibmacro{maintitle+booktitle}%
2288 \newunit\newblock
2289 \usebibmacro{byeditor+others}%
2290 \newunit\newblock
2291 \ifdefstring{\bbx@editionformat}{superscript}{}%
2292 {\printfield{edition}}%
2293 \newunit}%
2294 \printfield{volumes}%
2295 \newunit\newblock
2296 \usebibmacro{series+number}%
2297 \newunit\newblock
2298 \printfield{note}%
2299 \newunit\newblock
2300 \usebibmacro{publisher+location+date}%
2301 \newunit
2302 \iffieldundef{maintitle}
2303   {\printfield{volume}}%
2304   \printfield{part}}
2305 {}%
2306 \newunit\newblock
2307 \usebibmacro{chapter+pages}%
2308 \newunit\newblock
2309 \iftoggle{bbx:isbn}
2310   {\printfield{isbn}}
2311   {}%

```

```

2312 \newunit\newblock
2313 \usebibmacro{doi+eprint+url}%
2314 \newunit\newblock
2315 \usebibmacro{addendum+pubstate:article-inbook-incoll}%
2316 \newblock
2317 \iftoggle{bbx:related}
2318   {\ifdefstring{\bbx@relatedformat}{semicolon}%
2319   {\setunit{\addsemicolon\space}}%
2320   {\setunit{\unspace\space}}}%horrible trick
2321 \usebibmacro{related:init}%
2322 \usebibmacro{related}}%
2323 {}%
2324 \newunit\newblock
2325 \usebibmacro{pageref}%
2326 \usebibmacro{finentry}}
2327
2328 \renewbibmacro*{incollection:full}{%
2329 \usebibmacro{maintitle+booktitle}%
2330 \newunit\newblock
2331 \usebibmacro{byeditor+others}%
2332 \newunit\newblock
2333 \ifdefstring{\bbx@editionformat}{superscript}{}%
2334 {\printfield{edition}%
2335 \newunit}}%
2336 \printfield{volumes}%
2337 \newunit\newblock
2338 \usebibmacro{series+number}%
2339 \newunit\newblock
2340 \printfield{note}%
2341 \newunit\newblock
2342 \usebibmacro{publisher+location+date}%
2343 \newunit
2344 \iffieldundef{maintitle}
2345   {\printfield{volume}%
2346   \printfield{part}}
2347   {}%
2348 \newunit\newblock
2349 \usebibmacro{chapter+pages}%
2350 \newunit\newblock
2351 \iftoggle{bbx:isbn}
2352   {\printfield{isbn}}
2353   {}%
2354 \newunit\newblock
2355 \usebibmacro{doi+eprint+url}%
2356 \newunit\newblock
2357 \usebibmacro{addendum+pubstate:article-inbook-incoll}%
2358 \newblock
2359 \iftoggle{bbx:related}
2360   {\ifdefstring{\bbx@relatedformat}{semicolon}%
2361   {\setunit{\addsemicolon\space}}%
2362   {\setunit{\unspace\space}}}%horrible trick
2363 \usebibmacro{related:init}%

```

```

2364     \usebibmacro{related}}%
2365     {}%
2366     \newunit\newblock
2367     \usebibmacro{pageref}%
2368     \usebibmacro{finentry}}
2369
2370
2371 \DeclareBibliographyDriver{manual}{%
2372     \usebibmacro{bibindex}%
2373     \usebibmacro{begentry}%
2374     \usebibmacro{author/editor}%
2375     \setunit{\labelnamepunct}\newblock
2376     \usebibmacro{title}%
2377     \newunit
2378     \printlist{language}%
2379     \newunit\newblock
2380     \usebibmacro{byauthor}%
2381     \newunit\newblock
2382     \usebibmacro{byeditor}%
2383     \newunit\newblock
2384     \ifdefstring{\bbx@editionformat}{superscript}{}%
2385     {\printfield{edition}%
2386     \newunit\newblock}}%
2387     \usebibmacro{series+number}%
2388     \newunit\newblock
2389     \printfield{type}%
2390     \newunit
2391     \printfield{version}%
2392     \newunit
2393     \printfield{note}%
2394     \newunit\newblock
2395     \printlist{organization}%
2396     \newunit
2397     \usebibmacro{publisher+location+date}%
2398     \newunit\newblock
2399     \usebibmacro{chapter+pages}%
2400     \newunit
2401     \printfield{pagetotal}%
2402     \newunit\newblock
2403     \iftoggle{bbx:isbn}
2404     {\printfield{isbn}}
2405     {}%
2406     \newunit\newblock
2407     \usebibmacro{doi+eprint+url}%
2408     \newunit\newblock
2409     \usebibmacro{addendum+pubstate}%
2410     \newblock
2411     \iftoggle{bbx:related}
2412     {\ifdefstring{\bbx@relatedformat}{semicolon}%
2413     {\setunit{\addsemicolon\space}}%
2414     {\setunit{\unspace\space}}}%horrible trick
2415     \usebibmacro{related:init}%

```

```

2416     \usebibmacro{related}}%
2417     {}%
2418     \newunit\newblock
2419     \usebibmacro{pageref}%
2420     \usebibmacro{finentry}}
2421
2422 \newbibmacro*{usedriver:book}{%
2423   \usebibmacro{bibindex}%
2424   \usebibmacro{begentry}%
2425   \usebibmacro{nodash:author/editor+others/translator+others}}%
2426   \setunit{\labelnamepunct}\newblock
2427   \usebibmacro{maintitle+title}%
2428   \newunit
2429   \printlist{language}%
2430   \newunit\newblock
2431   \usebibmacro{byauthor}%
2432   \newunit\newblock
2433   \usebibmacro{byeditor+others}%
2434   \newunit\newblock
2435   \ifdefstring{\bbx@editionformat}{superscript}{}%
2436   {\printfield{edition}%
2437     \newunit}%
2438   \printfield{volumes}%
2439   \newunit\newblock
2440   \usebibmacro{series+number}%
2441   \newunit\newblock
2442   \printfield{note}%
2443   \newunit\newblock
2444   \usebibmacro{publisher+location+date}%
2445   \newunit
2446   \iffieldundef{maintitle}
2447     {\printfield{volume}%
2448       \printfield{part}}
2449     {}%
2450   \newunit\newblock
2451   \usebibmacro{chapter+pages}%
2452   \newunit
2453   \printfield{pagetotal}%
2454   \newunit\newblock
2455   \iftoggle{bbx:isbn}
2456     {\printfield{isbn}}
2457     {}%
2458   \newunit\newblock
2459   \usebibmacro{doi+eprint+url}%
2460   \newunit\newblock
2461   \usebibmacro{addendum+pubstate}%
2462   \newblock
2463   \iftoggle{bbx:related}
2464     {\ifdefstring{\bbx@relatedformat}{semicolon}%
2465       {\setunit{\addsemicolon\space}}%
2466       {\setunit{\unspace\space}}}%horrible trick
2467   \usebibmacro{related:init}%

```

```

2468     \usebibmacro{related}}%
2469     {}%
2470     \newunit\newblock
2471     \usebibmacro{pageref}%
2472     }
2473 \newbibmacro*{usedriver:collection}{%
2474     \usebibmacro{bibindex}%
2475     \usebibmacro{begentry}%
2476     \usebibmacro{nodash:editor+others}%
2477     \setunit{\labelnamepunct}\newblock
2478     \usebibmacro{maintitle+title}%
2479     \newunit
2480     \printlist{language}%
2481     \newunit\newblock
2482     \usebibmacro{byeditor+others}%
2483     \newunit\newblock
2484     \ifdefstring{\bbx@editionformat}{superscript}{}%
2485     {\printfield{edition}%
2486     \newunit}%
2487     \iffieldundef{maintitle}
2488     {\printfield{volume}%
2489     \printfield{part}}
2490     {}%
2491     \newunit
2492     \printfield{volumes}%
2493     \newunit\newblock
2494     \usebibmacro{series+number}%
2495     \newunit\newblock
2496     \printfield{note}%
2497     \newunit\newblock
2498     \usebibmacro{publisher+location+date}%
2499     \newunit\newblock
2500     \usebibmacro{chapter+pages}%
2501     \newunit
2502     \printfield{pagetotal}%
2503     \newunit\newblock
2504     \iftoggle{bbx:isbn}
2505     {\printfield{isbn}}
2506     {}%
2507     \newunit\newblock
2508     \usebibmacro{doi+eprint+url}%
2509     \newunit\newblock
2510     \usebibmacro{addendum+pubstate}%
2511     \newblock
2512     \iftoggle{bbx:related}
2513     {\ifdefstring{\bbx@relatedformat}{semicolon}%
2514     {\setunit{\addsemicolon\space}}%
2515     {\setunit{\unspace\space}}}%horrible trick
2516     \usebibmacro{related:init}%
2517     \usebibmacro{related}}%
2518     {}%
2519     \newunit\newblock

```

```

2520 \usebibmacro{pageref}%
2521 }
2522 \DeclareCiteCommand{\bbx@crossref@inbook}%
2523 {}%
2524 {\ifciteseen{%
2525   \ifthenelse{\value{listtotal}=2}%
2526     {\printnames[][-\value{maxnamesincross}]{\labelname}}%
2527     {\printnames[][-\value{minnamesincross}]{\labelname}}%
2528 \setunit*{\addcomma\space}\printtext{%
2529   \printfield[citetitle]{\labeltitle}%
2530   \iftoggle{cbx:commacit}{\setunit{\addcomma\space}}%
2531   {\setunit{\addspace\midsentence}}%
2532   \bibstring{cited}}}%
2533 {\DeclareNameAlias{sortname}{default}}%
2534 \usebibmacro{usedriver:book}}}%
2535 {}%
2536 {}%
2537 \DeclareCiteCommand{\bbx@crossref@incollection}%
2538 {}%
2539 {\ifciteseen{%
2540 \ifthenelse{\value{listtotal}=2}%
2541   {\printnames[][-\value{maxnamesincross}]{\labelname}}%
2542   {\printnames[][-\value{minnamesincross}]{\labelname}}%
2543   \setunit{\addspace}%
2544   \usebibmacro{editorstrg}}%
2545 \setunit*{\addcomma\space}\printtext{%
2546   \printfield[citetitle]{\labeltitle}%
2547   \iftoggle{cbx:commacit}{\setunit{\addcomma\space}}%
2548   {\setunit{\addspace\midsentence}}%
2549   \bibstring{cited}}}%
2550 {\DeclareNameAlias{sortname}{default}}%
2551 \usebibmacro{usedriver:collection}}}%
2552 {}%
2553 {}%

```

7.5 philosophy-classic.cbx

7.5.1 Initial settings

```

2554 \RequireCitationStyle{author-year-comp}
2555
2556 \newtoggle{cbx:scauthorcite}
2557
2558 \DeclareBibliographyOption{scauthorcite}[true]{%
2559   \settoggle{cbx:scauthorcite}{#1}}
2560
2561 \ExecuteBibliographyOptions{%
2562   scauthorcite = false,
2563   citetracker = true,
2564 }
2565
2566 \AtEveryCite{%
2567   \iftoggle{cbx:scauthorcite}%

```

```

2568 {\let\mkbibnamefamily\mkbibsc%
2569 \let\mkbibnamegiven\mkbibsc%
2570 \let\mkbibnameprefix\mkbibsc%
2571 \let\mkbibnameaffix\mkbibsc}%
2572 {}}%
2573
2574 \ifblx@load@version@legacy
2575 \DeclareNameFormat{labelname}{%
2576 \bibhyperref{%
2577 \ifcase\value{uniquename}%
2578 \usebibmacro{name:family}{#1}{#3}{#5}{#7}%
2579 \or
2580 \ifuseprefix
2581 {\usebibmacro{name:given-family}{#1}{#4}{#5}{#8}}%
2582 {\usebibmacro{name:given-family}{#1}{#4}{#6}{#8}}%
2583 \or
2584 \usebibmacro{name:given-family}{#1}{#3}{#5}{#7}%
2585 \fi
2586 \usebibmacro{name:andothers}}}
2587 \else
2588 \DeclareNameFormat{labelname}{%
2589 \nameparts{#1}%
2590 \bibhyperref{\ifcase\value{uniquename}%
2591 \usebibmacro{name:family}
2592 {\namepartfamily}
2593 {\namepartgiven}
2594 {\namepartprefix}
2595 {\namepartsuffix}%
2596 \or
2597 \ifuseprefix
2598 {\usebibmacro{name:given-family}
2599 {\namepartfamily}
2600 {\namepartgiveni}
2601 {\namepartprefix}
2602 {\namepartsuffixi}}
2603 {\usebibmacro{name:given-family}
2604 {\namepartfamily}
2605 {\namepartgiveni}
2606 {\namepartprefixi}
2607 {\namepartsuffixi}}}%
2608 \or
2609 \usebibmacro{name:given-family}
2610 {\namepartfamily}
2611 {\namepartgiven}
2612 {\namepartprefix}
2613 {\namepartsuffix}%
2614 \fi
2615 \usebibmacro{name:andothers}}}
2616 \fi
2617 %%%
2618
2619 \newcommand{\switchclass}[2]{%

```

```

2620 \iffieldequalstr{entrysubtype}{classic}%
2621 {\usebibmacro{#1}}%
2622 {\usebibmacro{#2}}}
```

7.5.2 Author-title macros

Import the :AT macros from the `authortitle-comp.cbx` file.

```

2623 \newbibmacro*{cite:init:AT}{%
2624 \ifnumless{value{multicitecount}}{2}
2625 {\global\boolfalse{cbx:parens}%
2626 \global\undef\cbx@lasthash}%
2627 {\iffieldundef{prenote}%
2628 {}%
2629 {\global\undef\cbx@lasthash}}}
```

```

2630
2631 \newbibmacro*{cite:reinit:AT}{%
2632 \global\undef\cbx@lasthash}
2633
2634 \newbibmacro*{cite:AT}{%
2635 \iffieldundef{shorthand}
2636 {\iffieldequals{namehash}{\cbx@lasthash}
2637 {\setunit{\compcitedelim}}%
2638 {\ifnameundef{labelname}
2639 {}%
2640 {\printnames{labelname}%
2641 \setunit{\nametitledelim}}%
2642 \savefield{namehash}{\cbx@lasthash}}}%
2643 \usebibmacro{cite:title:AT}}
2644 {\usebibmacro{cite:shorthand}%
2645 \usebibmacro{cite:reinit:AT}}%
2646 \setunit{\multicitedelim}}
2647
2648 \newbibmacro*{citetitle:AT}{%
2649 \iffieldundef{shorthand}
2650 {\usebibmacro{cite:title:AT}}%
2651 {\usebibmacro{cite:shorthand}}%
2652 \setunit{\multicitedelim}}
2653
2654 \newbibmacro*{textcite:AT}{%
2655 \iffieldequals{namehash}{\cbx@lasthash}
2656 {\setunit{\compcitedelim}}
2657 {\ifnameundef{labelname}
2658 {}%
2659 {\printnames{labelname}%
2660 \setunit{%
2661 \global\booltrue{cbx:parens}%
2662 \addspace\bibopenparen}}}%
2663 \savefield{namehash}{\cbx@lasthash}}%
2664 \ifnumequal{value{citecount}}{1}
2665 {\usebibmacro{prenote}}
2666 {}%
2667 \iffieldundef{shorthand}
2668 {\usebibmacro{cite:title:AT}}%

```



```

2669   {\iftoggle{cbx:shorthandintro}{%
2670     \ifciteseen{%
2671       \usebibmacro{cite:shorthand}}%
2672     {\usebibmacro{shorthandintro}}}%
2673   {\usebibmacro{cite:shorthand}}}%
2674   \setunit{%
2675     \ifbool{cbx:parens}
2676       {\bibcloseparen\global\boolfalse{cbx:parens}}
2677       {}%
2678   \multicitedelim}}
2679
2680 \newbibmacro*{cite:title:AT}{%
2681   \printtext[bibhyperref]{\printfield[citetitle]{labeltitle}}
2682
2683 \newbibmacro*{textcite:postnote:AT}{%
2684   \ifnameundef{labelname}
2685     {\setunit{%
2686       \global\booltrue{cbx:parens}%
2687       \addspace\bibopenparen}}
2688     {\setunit{\postnotedelim}}}%
2689   \printfield{postnote}%
2690   \ifthenelse{\value{multicitecount}=\value{multicitetotal}}
2691     {\setunit{}}%
2692     \printtext{%
2693       \ifbool{cbx:parens}
2694       {\bibcloseparen\global\boolfalse{cbx:parens}}
2695       {}}
2696     {\setunit{%
2697       \ifbool{cbx:parens}
2698       {\bibcloseparen\global\boolfalse{cbx:parens}}
2699       {}%
2700     \multicitedelim}}

```

7.5.3 Author-year macros

```

2701 \newbibmacro*{cite:init:AY}{%
2702   \ifnumless{\value{multicitecount}}{2}
2703     {\global\boolfalse{cbx:parens}%
2704     \global\undef\cbx@lasthash
2705     \global\undef\cbx@lastyear}
2706   {\iffieldundef{prenote}
2707     {}
2708     {\global\undef\cbx@lasthash
2709     \global\undef\cbx@lastyear}}}
2710
2711 \newbibmacro*{cite:reinit:AY}{%
2712   \global\undef\cbx@lasthash
2713   \global\undef\cbx@lastyear}
2714
2715 \newbibmacro*{cite:AY}{%
2716   \iffieldundef{shorthand}%
2717   {\usebibmacro{cite:noshorthand}}%

```

```

2718 {\iftoggle{cbx:shorthandintro}%
2719 {%
2720 \ifciteseen{\usebibmacro{cite:shorthand}}%
2721 {\usebibmacro{cite:noshorthand}%
2722 \usebibmacro{shorthandintro}}%
2723 }%
2724 {\usebibmacro{cite:shorthand}}%
2725 \usebibmacro{cite:reinit:AY}}%
2726 \setunit{\multicitedelim}}
2727
2728 \newbibmacro*{textcite:AY}{%
2729 \iffieldequals{namehash}{\cbx@lasthash}%
2730 {\iffieldundef{shorthand}%noshorthand
2731 {\ifthenelse{\iffieldequals{labelyear}{\cbx@lastyear}\AND
2732 \(\value{multicitecount}=0\OR\iffieldundef{postnote}\)}}%
2733 {\setunit{\addcomma}%
2734 \usebibmacro{cite:extrayear}}%
2735 {\setunit{\compcitedelim}%
2736 \usebibmacro{cite:labelyear+extrayear}%
2737 \savefield{labelyear}{\cbx@lastyear}}}%
2738 {\setunit{\compcitedelim}%shorthand
2739 \iftoggle{cbx:shorthandintro}%
2740 {\ifciteseen
2741 {\usebibmacro{cite:shorthand}}%
2742 {\ifthenelse{\iffieldequals{labelyear}{\cbx@lastyear}\AND
2743 \(\value{multicitecount}=0\OR\iffieldundef{postnote}\)}}%
2744 {\setunit{\addcomma}%
2745 \usebibmacro{cite:extrayear}}%
2746 {\setunit{\compcitedelim}%
2747 \usebibmacro{cite:labelyear+extrayear}%
2748 \savefield{labelyear}{\cbx@lastyear}}}%
2749 \usebibmacro{shorthandintro}}}%
2750 {\usebibmacro{cite:shorthand}}%
2751 \global\undef\cbx@lastyear}}%
2752 {\ifnameundef{labelname}%
2753 {\iffieldundef{shorthand}%shorthand
2754 {\usebibmacro{cite:label}}%
2755 \setunit{%
2756 \global\booltrue{cbx:parens}%
2757 \addspace\bibopenparen}%
2758 \ifnumequal{\value{citecount}}{1}%
2759 {\usebibmacro{prenote}}%
2760 {\usebibmacro{cite:shorthand}}%
2761 \usebibmacro{cite:labelyear+extrayear}}%
2762 {\iftoggle{cbx:shorthandintro}%
2763 {\ifciteseen%shorthand
2764 {\usebibmacro{cite:shorthand}}%
2765 {\usebibmacro{cite:label}}%
2766 \setunit{%
2767 \global\booltrue{cbx:parens}%
2768 \addspace\bibopenparen}%
2769 \ifnumequal{\value{citecount}}{1}%

```

```

2770     {\usebibmacro{prenote}}%
2771     {\usebibmacro{cite:shorthand}}%
2772     \usebibmacro{cite:labelyear+extrayear}%
2773     \usebibmacro{shorthandintro}}}%
2774     {\usebibmacro{cite:shorthand}}}%
2775         {\printnames{labelname}}%
2776 \setunit{%
2777   \global\booltrue{cbx:parens}%
2778   \addspace\bibopenparen}%
2779 \ifnumequal{\value{citecount}}{1}%
2780   {\usebibmacro{prenote}}%
2781   }%
2782     \iffieldundef{shorthand}%noshorthand
2783     {\iffieldundef{labelyear}%
2784       {\usebibmacro{cite:label}}%
2785       {\usebibmacro{cite:labelyear+extrayear}}%
2786       \savefield{labelyear}{\cbx@lastyear}}%
2787     {\iftoggle{cbx:shorthandintro}%
2788     {\ifciteseen%
2789       {\usebibmacro{cite:shorthand}}%
2790       {\iffieldundef{labelyear}%
2791         {\usebibmacro{cite:label}}%
2792         {\usebibmacro{cite:labelyear+extrayear}}%
2793         \savefield{labelyear}{\cbx@lastyear}%
2794         \usebibmacro{shorthandintro}}%
2795         \global\undef\cbx@lastyear}%
2796         {\usebibmacro{cite:shorthand}}}%
2797         \savefield{namehash}{\cbx@lasthash}}}%
2798 \setunit{%
2799   \ifbool{cbx:parens}%
2800     {\bibcloseparen\global\boolfalse{cbx:parens}}%
2801     }%
2802   \multicitedelim}}%
2803
2804 \newbibmacro*{textcite:postnote:AY}{%
2805   \usebibmacro{postnote}%
2806   \ifthenelse{\value{multicitecount}=\value{multicitetotal}}
2807     {\setunit{}}%
2808     \printtext{%
2809       \ifbool{cbx:parens}
2810       {\bibcloseparen\global\boolfalse{cbx:parens}}
2811       {}}%
2812     {\setunit{%
2813       \ifbool{cbx:parens}
2814       {\bibcloseparen\global\boolfalse{cbx:parens}}
2815       }%
2816     \multicitedelim}}

```

The `cite:shorthand` is the same for both author-title and author-year styles:

```

2817 \renewbibmacro*{cite:shorthand}{%
2818   \printtext[bibhyperref]{\printfield{shorthand}}

```

If the field entrysubtype equals to `classic` the citation commands will use the author-title macros:

```

2819 \renewbibmacro*{cite:init}{%
2820   \switchclass{cite:init:AT}{cite:init:AY}}
2821 \renewbibmacro*{cite:reinit}{%
2822   \switchclass{cite:reinit:AT}{cite:reinit:AY}}
2823 \renewbibmacro*{cite}{%
2824   \switchclass{cite:AT}{cite:AY}}
2825 \renewbibmacro*{textcite}{%
2826   \switchclass{textcite:AT}{textcite:AY}}
2827 \renewbibmacro*{textcite:postnote}{%
2828   \switchclass{textcite:postnote:AT}{textcite:postnote:AY}}
2829
2830 \newbibmacro*{cite:noshorthand}{%
2831   \ifthenelse{\ifnameundef{labelname}\OR\iffieldundef{labelyear}}%
2832     {\usebibmacro{cite:label}}%
2833   \setunit{\addspace}}%
2834 \usebibmacro{cite:labelyear+extrayear}}%
2835   \usebibmacro{cite:reinit}}%
2836   {\iffieldequals{namehash}{\cbx@lasthash}}%
2837     {\ifthenelse{\iffieldequals{labelyear}{\cbx@lastyear}\AND
2838       (\value{multicitecount}=0\OR\iffieldundef{postnote}\)}}%
2839       {\setunit{\addcomma}}%
2840       \usebibmacro{cite:extrayear}}%
2841     {\setunit{\compcitedelim}}%
2842     \usebibmacro{cite:labelyear+extrayear}}%
2843     \savefield{labelyear}{\cbx@lastyear}}%
2844     {\printnames{labelname}}%
2845   \setunit{\nameyeardelimiter}}%
2846   \usebibmacro{cite:labelyear+extrayear}}%
2847   \savefield{namehash}{\cbx@lasthash}}%
2848   \iffieldundef{postnote}}%
2849   {\savefield{labelyear}{\cbx@lastyear}}{}}}}

```

7.5.4 Citation commands

```

2850 \DeclareCiteCommand*{\cite}
2851   {\usebibmacro{cite:init}}%
2852   \usebibmacro{prenote}}
2853   {\usebibmacro{citeindex}}%
2854   \switchclass{citetitle:AT}{citeyear}}%
2855   {}
2856   {\usebibmacro{postnote}}
2857
2858 \DeclareCiteCommand*{\parencite}[\mkbibparens]
2859   {\usebibmacro{cite:init}}%
2860   \usebibmacro{prenote}}
2861   {\usebibmacro{citeindex}}%
2862   \switchclass{citetitle:AT}{citeyear}}
2863   {}
2864   {\usebibmacro{postnote}}
2865
2866 \DeclareCiteCommand{\citetitle}
2867   {\boolfalse{citetracker}}%
2868   \boolfalse{pagetracker}}%

```

```

2869 \usebibmacro{prenote}}
2870 {\indexfield{indextitle}%
2871 \printtext[bibhyperref]{\printfield[citetitle]{labeltitle}}}
2872 {\multicitedelim}
2873 {\usebibmacro{postnote}}
2874
2875 \DeclareCiteCommand*{\citetitle}
2876 {\boolfalse{citetracker}%
2877 \boolfalse{pagetracker}%
2878 \usebibmacro{prenote}}
2879 {\indexfield{indextitle}%
2880 \printtext[bibhyperref]{\printfield[citetitle]{title}}}
2881 {\multicitedelim}
2882 {\usebibmacro{postnote}}
2883
2884 \DeclareCiteCommand{\citeyear}
2885 {\boolfalse{citetracker}%
2886 \boolfalse{pagetracker}%
2887 \usebibmacro{prenote}}
2888 {\printtext[bibhyperref]{\printfield{year}}}
2889 {\multicitedelim}
2890 {\usebibmacro{postnote}}
2891
2892 \DeclareCiteCommand{\footcite}{\mkbibfootnote}
2893 {\usebibmacro{cite:init}}
2894 {\usebibmacro{cite:index}%
2895 \usebibmacro{textcite}}
2896 {}%
2897 {\usebibmacro{textcite:postnote}}

```

This command is now deprecated because it is substituted by the `entrysubtype=classic` mechanism:

```

2898 \DeclareCiteCommand{\sdcite}
2899 {\boolfalse{citetracker}%
2900 \boolfalse{pagetracker}%
2901 \usebibmacro{prenote}}
2902 {\indexnames{labelname}%
2903 \printtext[bibhyperref]{\printnames{labelname}}%
2904 \setunit{\addcomma\space}%
2905 \indexfield{indextitle}%
2906 \printtext[bibhyperref]{\printfield[citetitle]{labeltitle}}}
2907 {\multicitedelim}
2908 {\usebibmacro{postnote}}

```

7.6 philosophy-modern.cbx

The modern style uses the classic citation scheme:

```
2909 \RequireCitationStyle{philosophy-classic}
```

The `\fullcite` command simply prints the bibliography entry supplied by the style used. So we have to redefine this command in order to get the same output as that produced in the `philosophy-classic` style:

```
2910 \DeclareCiteCommand{\fullcite}%
```

```

2911 {\usebibmacro{prenote}}%
2912 {\setkeys{blx@bib2}{restoreclassic}}%
2913 \usedriver%
2914   {\DeclareNameAlias{sortname}{default}}%
2915   {\thefield{entrytype}}}%
2916 {\multicitedelim}%
2917 {\usebibmacro{postnote}}%

```

7.7 philosophy-verbose.cbx

7.7.1 Initial settings

```

2918 \RequireCitationStyle{verbose-trad2}
2919
2920 \newtoggle{cbx:scauthorcite}
2921 \newtoggle{cbx:latinemph}
2922 \newtoggle{cbx:commacit}
2923
2924 \DeclareBibliographyOption{scauthorcite}[true]{%
2925   \settoggle{cbx:scauthorcite}{#1}}
2926 \DeclareBibliographyOption{latinemph}[true]{%
2927   \settoggle{cbx:latinemph}{#1}}
2928 \DeclareBibliographyOption{commacit}[true]{%
2929   \settoggle{cbx:commacit}{#1}}
2930
2931 \ExecuteBibliographyOptions{%
2932   idemtracker=false,
2933   loccittracker=strict,
2934   scauthorcite=false,
2935   latinemph=false,
2936   commacit=false}
2937
2938 \AtEveryCite{%

```

The annotation field is omitted in every citations:

```
2939 \togglefalse{bbx:annotation}%
```

Redefine `\mkibid` for every citations when using the `latinemph` option:

```
2940 \iftoggle{cbx:latinemph}{\renewcommand*{\mkibid}{\emph}}{}
```

Name formats

```

2941 \renewbibmacro*{name:andothers}{%
2942   \ifboolexpr{%
2943     test {\ifnumequal{\value{listcount}}{\value{liststop}}}%
2944     and
2945     test \ifmorenames
2946   }%
2947   {\ifnumgreater{\value{liststop}}{1}%
2948     {\finalandcomma}%
2949     {}}%
2950   \andothersdelim\bibstring[\mkibid]{andothers}}%
2951   {}}%
2952 \renewbibmacro*{list:andothers}{%
2953   \ifboolexpr{%

```

```

2954 test {\ifnumequal{\value{listcount}}{\value{liststop}}}%
2955 and
2956 test \ifmoreitems
2957 }%
2958 {\ifnumgreater{\value{liststop}}{1}%
2959   {\finalandcomma}%
2960   }%
2961   \andmoredelim\bibstring[\mkibid]{andmore}}%
2962 {}}%
2963 \iftoggle{cbx:scauthorscite}{%
2964 \ifblx@load@version@legacy
2965 \DeclareNameFormat{labelname}{%
2966 \iffootnote{%
2967   \let\mkbibnamefamily\mkbibsc%
2968   \let\mkbibnamegiven\mkbibsc%
2969   \let\mkbibnameprefix\mkbibsc%
2970   \let\mkbibnameaffix\mkbibsc}{}%
2971 \ifcase\value{uniquename}%
2972   \usebibmacro{name:family}{#1}{#3}{#5}{#7}%
2973 \or
2974   \ifuseprefix
2975     {\usebibmacro{name:given-family}{#1}{#4}{#5}{#8}}%
2976     {\usebibmacro{name:given-family}{#1}{#4}{#6}{#8}}%
2977 \or
2978   \usebibmacro{name:given-family}{#1}{#3}{#5}{#7}%
2979 \fi
2980 \usebibmacro{name:andothers}}%
2981 \else
2982 \DeclareNameFormat{labelname}{%
2983 \iffootnote{%
2984   \let\mkbibnamefamily\mkbibsc%
2985   \let\mkbibnamegiven\mkbibsc%
2986   \let\mkbibnameprefix\mkbibsc%
2987   \let\mkbibnameaffix\mkbibsc}{}%
2988 \nameparts{#1}%
2989 \ifcase\value{uniquename}%
2990   \usebibmacro{name:family}
2991     {\namepartfamily}
2992     {\namepartgiven}
2993     {\namepartprefix}
2994     {\namepartsuffix}%
2995 \or
2996   \ifuseprefix
2997     {\usebibmacro{name:given-family}
2998       {\namepartfamily}
2999       {\namepartgiveni}
3000       {\namepartprefix}
3001       {\namepartsuffixi}}
3002     {\usebibmacro{name:given-family}
3003       {\namepartfamily}
3004       {\namepartgiveni}
3005       {\namepartprefixi}

```

```

3006     {\namepartsuffixi}}%
3007 \or
3008   \usebibmacro{name:given-family}
3009     {\namepartfamily}
3010     {\namepartgiven}
3011     {\namepartprefix}
3012     {\namepartsuffix}%
3013 \fi
3014 \usebibmacro{name:andothers}}
3015 \fi
3016 }{}}%
3017
3018 \ifblx@load@version@legacy
3019 \DeclareNameFormat{scdefault}{%
3020 \iffootnote{%
3021   \let\mkbibnamefamily\mkbibsc%
3022   \let\mkbibnamegiven\mkbibsc%
3023   \let\mkbibnameprefix\mkbibsc%
3024   \let\mkbibnameaffix\mkbibsc}{}%
3025 \iffirstinits
3026   {\usebibmacro{name:given-family}{#1}{#4}{#5}{#7}}%
3027   {\usebibmacro{name:given-family}{#1}{#3}{#5}{#7}}%
3028   \usebibmacro{name:andothers}}
3029 \else
3030 \DeclareNameFormat{scdefault}{%
3031 \iffootnote{%
3032   \let\mkbibnamefamily\mkbibsc%
3033   \let\mkbibnamegiven\mkbibsc%
3034   \let\mkbibnameprefix\mkbibsc%
3035   \let\mkbibnameaffix\mkbibsc}{}%
3036 \nameparts{#1}%
3037 \ifgiveninits
3038   {\usebibmacro{name:given-family}
3039     {\namepartfamily}
3040     {\namepartgiveni}
3041     {\namepartprefix}
3042     {\namepartsuffix}}
3043   {\usebibmacro{name:given-family}
3044     {\namepartfamily}
3045     {\namepartgiven}
3046     {\namepartprefix}
3047     {\namepartsuffix}}%
3048   \usebibmacro{name:andothers}}
3049 \fi

```

7.7.2 New macros

```

3050 \newbibmacro*{cite:opcit}{%
3051   \printtext[bibhyperlink]{\bibstring[\mkibid]{opcit}}
3052 }
3053 \newbibmacro*{cite:loccit}{%
3054   \printtext{%

```



```

3055 \bibhyperlink{cite\csuse{cbx@lastcite@\thefield{entrykey}}}{%
3056 \bibstring[\mkibid]{loccit}}}%
3057 \global\toggletrue{cbx:loccit}
3058
3059 \renewbibmacro*{cite:ibid}{%
3060 \ifloccit
3061 {\usebibmacro{cite:loccit}}{%
3062 \printtext{%
3063 \bibhyperlink{cite\csuse{cbx@lastcite@\thefield{entrykey}}}{%
3064 \bibstring[\mkibid]{ibidem}}}}}%
3065
3066 \renewbibmacro*{cite:title}{%OK
3067 \ifsingletitle{\usebibmacro{cite:opcit}}{%
3068 \printtext[bibhyperlink]{%
3069 \printfield[citetitle]{labeltitle}%
3070 \iftoggle{cbx:commacit}{\setunit{\addcomma\space}}%
3071 {\setunit{\addspace\midsentence}}}%
3072 \bibstring{cited}}
3073
3074 % \renewbibmacro*{cite:full}{%OK
3075 % \usebibmacro{cite:full:citepages}%
3076 % \global\toggletrue{cbx:fullcite}%
3077 % \printtext[bibhypertarget]{%
3078 % \usedriver
3079 % {\iftoggle{cbx:scauthorscite}{%
3080 % \DeclareNameAlias{sortname}{scdefault}}}%
3081 % {\DeclareNameAlias{sortname}{default}}}%
3082 % {\thefield{entrytype}}}%
3083 % \usebibmacro{shorthandintro}
3084
3085 \renewbibmacro*{cite:full}{%OK
3086 \iftoggle{cbx:shorthandintro}{%
3087 \usebibmacro{cite:full:citepages}%
3088 \global\toggletrue{cbx:fullcite}%
3089 \printtext[bibhypertarget]{%
3090 \usedriver
3091 {\iftoggle{cbx:scauthorscite}{%
3092 \DeclareNameAlias{sortname}{scdefault}}}%
3093 {\DeclareNameAlias{sortname}{default}}}%
3094 {\thefield{entrytype}}}%
3095 \usebibmacro{shorthandintro}}%
3096 {\usebibmacro{cite:shorthand}}
3097
3098
3099
3100 \renewbibmacro*{cite:idem}{%
3101 \iftoggle{cbx:scauthorscite}{%
3102 \bibstring[\mkbibsc]{idem\thefield{gender}}}{%
3103 \bibstring[\mkibid]{idem\thefield{gender}}}%
3104 \setunit{\nametitledelim}}
3105
3106 \newbibmacro*{ccite:cite}{%

```

```

3107 \usebibmacro{related:clearauthors}%
3108 \usebibmacro{cite:citepages}%
3109 \global\togglefalse{cbx:fullcite}%
3110 \global\togglefalse{cbx:loccit}%
3111 \bibhypertarget{cite\the\value{instcount}}{%
3112   \ifciteseen
3113     {\iffieldundef{shorthand}
3114       {\usebibmacro{cite:title}%
3115         \usebibmacro{cite:save}}
3116       {\usebibmacro{cite:shorthand}}}}
3117   {\usebibmacro{cite:full}%
3118     \usebibmacro{cite:save}}}}

```

7.7.3 Citation commands

```

3119 \DeclareCiteCommand{\ccite}
3120 {\usebibmacro{prenote}}%
3121 {\usebibmacro{citeindex}}%
3122 \usebibmacro{ccite:cite}}
3123 {\multicitedelim}
3124 {\usebibmacro{cite:postnote}}
3125 \DeclareCiteCommand{\fullcite}
3126 {\usebibmacro{prenote}}
3127 {\usedriver
3128   {\iftoggle{cbx:scauthorscite}%
3129     {\DeclareNameAlias{sortname}{scdefault}}%
3130     {\DeclareNameAlias{sortname}{default}}}}%
3131   {\thefield{entrytype}}}}
3132 {\multicitedelim}
3133 {\usebibmacro{postnote}}

```

7.8 italian-philosophy.lbx

```

3134 \InheritBibliographyExtras{italian}
3135
3136 \DeclareBibliographyExtras{%
3137 \protected\def\bibrangedash{%
3138   -\penalty\hyphenpenalty}%
3139 \protected\def\bibdatedash{\textendash}}%
3140
3141 \NewBibliographyString{origed,cited}
3142
3143 \DeclareBibliographyStrings{%
3144   inherit           = {italian},
3145   nodate            = {{senza data}{s\addotspaced\addot}},
3146   cited             = {{cit\addot}{cit\addot}},
3147   opcit             = {{op\addotspaced\addot}{op\addotspaced\addot}},
3148   ibidem            = {{ivi}{ivi}},
3149   loccit            = {{ibidem}{ibidem}},
3150   origed            = {{ed\addotspaced\addot}{ed\addotspaced\addot}},
3151   langitalian       = {{italiano}{it\addot}},
3152   editor            = {{\mkpureparens{a cura di}}{\mkpureparens{a cura di}}},
3153   editors           = {{\mkpureparens{a cura di}}{\mkpureparens{a cura di}}},
3154   backrefpage       = {{Citato a pagina}{Citato a \bibstring{page}\addot}},

```

```

3155 backrefpages = {{Citato alle pagine}{Citato alle \bibstring{pages}\addot}},
3156 pages = {{pagine}{\iftoggle{bbx:classical}{pp\addot}{p\addot}}},
3157 columns = {{colonne}{\iftoggle{bbx:classical}{coll\addot}{col\addot}}},
3158 lines = {{righe}{\iftoggle{bbx:classical}{rr\addot}{r\addot}}},
3159 verses = {{versi}{\iftoggle{bbx:classical}{vv\addot}{v\addot}}},
3160 section = {{sezione}{sez\addot}},
3161 sections = {{sezioni}{\iftoggle{bbx:classical}{sezz\addot}{sez\addot}}},
3162 paragraphs = {{paragrafi}{\iftoggle{bbx:classical}{parr\addot}{par\addot}}},
3163 volumes = {{volumi}{\iftoggle{bbx:classical}{voll\addot}{vol\addot}}},
3164 withcommentator = {{con commenti di}{con comm\addot\addabbrvspace di}},
3165 withannotator = {{annotazioni di}{annotazioni di}},
3166 withintroduction = {{introduzione di}{introduzione di}},
3167 withforeword = {{prefazione di}{prefazione di}},
3168 withafterword = {{postfazione di}{postfazione di}},
3169 reprintas = {{ristampato}{rist\addot}},
3170 % reprintfrom = {{}}, % FIXME: missing
3171 translationof = {{traduzione di}{trad\addotsspace di}},
3172 translationas = {{traduzione italiana}{trad\addotsspace it\addot}},
3173 % translationfrom = {{}}, % FIXME: missing
3174 reviewof = {{Recensione di}{Recensione di}},
3175 % origpubas = {{}}, % FIXME: missing
3176 % origpubin = {{}}, % FIXME: missing
3177 % astitle = {{}}, % FIXME: missing
3178 % bypublisher = {{}}, % FIXME: missing
3179 byreviser = {{revisione di}{revisione di}}
3180 }

```

7.9 english-philosophy.lbx

```

3181 \InheritBibliographyExtras{english}
3182
3183 \DeclareBibliographyExtras{%
3184 \protected\def\bibrangedash{%
3185   -\penalty\hyphenpenalty}%
3186 \protected\def\bibdatedash{\textendash}}%
3187
3188 \NewBibliographyString{cited,origed}
3189
3190 \DeclareBibliographyStrings{%
3191 inherit = {english},
3192 nodate = {{no date}{n\addot d\addot}},
3193 cited = {{cit\addot}{cit\addot}},
3194 ibidem = {{ivi}{ivi}},
3195 loccit = {{ibidem}{ibidem}},
3196 origed = {{orig\addotsspace ed\addot}{orig\addotsspace ed\addot}},
3197 editor = {{\mkpureparens{ed\addot}}{\mkpureparens{ed\addot}}},
3198 editors = {{\mkpureparens{eds\addot}}{\mkpureparens{eds\addot}}},
3199 reviewof = {{Review of}{Review of}},
3200 translationas = {{trans\addot}{trans\addot}},
3201 backrefpage = {{cited on page}{cited on p\addot}},
3202 backrefpages = {{cited on pages}{cited on pp\addot}}
3203 }

```

7.10 spanish-philosophy.lbx

Thanks to Eduardo Villegas for these translations.

```

3204 %
3205 %^^A Thanks to Eduardo Villegas for these translations.
3206 %
3207 \InheritBibliographyExtras{spanish}
3208
3209 \DeclareBibliographyExtras{%
3210 \protected\def\bibrangedash{%
3211   -\penalty\hyphenpenalty}%
3212 \protected\def\bibdatedash{\textendash}}%
3213
3214 \NewBibliographyString{origed,cited}
3215
3216 \DeclareBibliographyStrings{%
3217   inherit           = {spanish},
3218   cited             = {{cit\addot}{cit\addot}},
3219   opcit             = {{op\addot cit\addot}{op\addot cit\addot}},
3220   ibidem            = {{ivi}{ivi}},
3221   loccit            = {{ibidem}{ibidem}},
3222   origed            = {{edici\’{o}n original}{ed\addot orig\addot}},
3223   langspanish       = {{espa\~{n}ol}{es\addot}},
3224   editor            = {{\mkpureparens{ed\addot}}{\mkpureparens{ed\addot}}},
3225   editors           = {{\mkpureparens{ed\addot}}{\mkpureparens{eds\addot}}},
3226   backrefpage       = {{Citado en la p\’{a}gina
3227     {Citado en la \bibstring{page}\addot}}, %%FIXME: Maiuscola iniziale?
3228   backrefpages      = {{Citado en las p\’{a}ginas
3229     {Citado en las \bibstring{pages}\addot}}, %%FIXME: Maiuscola iniziale?
3230   pages             = {{p\’{a}ginas}{\iftoggle{bbx:classical}
3231     {p\’{a}gs\addot}{p\’{a}g\addot}}},
3232   columns           = {{columnas}{\iftoggle{bbx:classical}{cols\addot}{col\addot}}},
3233   lines             = {{l\’{i}neas}{\iftoggle{bbx:classical}{ll\addot}{l\addot}}},
3234   verses            = {{versos}{\iftoggle{bbx:classical}{vv\addot}{v\addot}}},
3235   volumes           = {{vol\’{u}menes
3236     {\iftoggle{bbx:classical}{vols\addot}{vol\addot}}},
3237   withcommentator   = {{comentarios de}{com\addot\addabbrvspace de}},
3238   withannotator     = {{notas de}{notas de}},
3239   withinintroduction = {{introducci\’{o}n de}{intr\addotsspace de}},
3240   withforeword      = {{prefacio de}{pref\addotsspace de}},
3241   withafterword     = {{postfacio de}{postfacio de}},
3242   reprints          = {{reimpresi\’{o}n}{reimp\addot}},
3243   translationof     = {{traducci\’{o}n al espa\~{n}ol de}{trad\addotsspace de}},
3244   translationas     = {{traducido al espa\~{n}ol como}{trad\addotsspace es\addot}},
3245   reviewof          = {{Rese\~{n}a de}{Rese\~{n}a de}}, %%FIXME: Maiuscola iniziale?
3246   section           = {{secci\’{o}n}{sec\addot}},
3247   sections          = {{secciones}{\iftoggle{bbx:classical}
3248     {secs\addot}{sec\addot}}},
3249   byreviser         = {{revisi\’{o}n de}{rev\addotsspace de}}
3250 }

```

Change History

- vo.4
General: Improved compatibility for biblatex version 0.9 1
- vo.5
General: Added new bibliography style philosophy-verbose. Added localization file italian-philosophy.lbx. Added package options origparens, origbrackets, latinemph. Changed package options scauthors, scauthorscite, scauthorsbib. Renamed file biblatex-philosophy-doc.tex to philosophy-authoryear-doc.tex. Added file philosophy-verbose-doc.tex. Updated documentation 1
- vo.6
General: Added localization file italian-philosophy.lbx. Added file philosophy-standard.bbx. New documentation file biblatex-philosophy. Removed files philosophy-authoryear-doc.tex, philosophy-verbose-doc.tex. . . . 1
- vo.7
General: Removed package option colonloc. Removed package options origparens origbrackets. Added package options origfieldsformat, publocformat, commacit, inbeforejournal, romanvol, volnumformat. Added command volnumpunct. Added citation commands \sdcite, \ccite. Updated documentation 1
- vo.7a
General: Added command volumfont. Added command footcitet. Updated documentation 1
- vo.7b
General: Removed package option romanvol. Added package option volumeformat. Added package option editionformat. Activated the option singletitle for style philosophy-verbose. Added bibliography driver @review. Added bibliography string cit. Added bibliography string reviewof. Updated documentation 1
- vo.7c
General: Fixed some bugs. New origfieldtype option. Added nodate bibliography string. Updated documentation 1
- vo.8a
General: New entribsubtype field for citing classical texts. New related field mechanism. New relatedformat option. New English documentation. Fixed some bugs 1
- vo.8b
General: Added biber.conf configuration file 1
- vo.8c
General: Removed biber.conf configuration file. Added internal biber settings with \DeclareDriverSourcecmap command. Added trans- field alias . . . 1
- vo.8d
General: Fixed some bugs related to \DeclareDriverSourcecmap, \ccite, and @review entry type 1
- vo.8e
General: Improved relatedformat option for cascading entries. Implemented cross-referencing mechanism for @inproceedings entries. Improved \ccite command. Changed the values for the entribsubtype from classical to classic. Added nodate package option. 1
- vo.8f
General: New option nodate for \printbibliography command 1
- vo.9a
General: Maintenance release. Corrected some bugs. 1
- vo.9b
General: Updated bibliography drivers to correct a bug when using the related mechanism. 1
- vo.9c
General: Maintenance release. Corrected some bugs. 1
- vo.9d
General: Maintenance release. Corrected some bugs. 1
- vo.9e
General: Maintenance release. Updated documentation. 1

vo.gf	General: Updated documentation. Corrected a bug in the <code>volnumformat</code> option. 1	Roman in volume format and edition format. Corrected bug in related format options: now the related block is not preceded by semicolon when using values <code>parens</code> and <code>brackets</code> styles. Updated documentation 1
vo.gg	General: Added localization module for spanish. Corrected a bug in <code>@inbook</code> and <code>@incollection</code> entries when using <code>crossref</code> field. Updated documentation. 1	v1.1 General: Maintenance release. Updated documentation. 1
vo.gh	General: New option <code>lowscauthors</code> . Corrected some bugs. Updated documentation. 1	v1.2 General: Maintenance release. New value <code>superscript</code> for <code>editionformat</code> option. 1
vo.gi	General: Corrected a bug with <code>shorthandintro</code> option. 1	v1.3 General: Maintenance release. Corrected a spurious space in article entries. 1
v1.o	General: Corrected a bug in <code>volumeformat</code> and <code>volnumformat</code> options. Change value <code>romanupp</code> to	v1.4 General: Maintenance release. Updated style for working with <code>biblatex v.3.4</code> . 1

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