Baskerville

Edited by

Vol. 10.1   Jonathan WEBLEY   April 2009

Contents

All contributions should be sent to baskerville@uk.tug.org. Articles on any area of TeX, its friends, UK-TUG or related topics are very welcome: the Committee is particularly keen to publish articles with a UK *flavour*. Send in your comments on this issue; your suggestions, letters, thoughts, tips and hints, articles, jokes, questions, requests for help, jobs – anything relevant will be considered for publication.

UK-TUG Committee 2009

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- Joseph Wright (Membership Secretary and Webmaster, co-opted)
- John Trapp (Training Officer)
- Jonathan Underwood
- Charles Goldie
- Simon Dales (co-opted)
- Jonathan Webley (Baskerville Editor, co-opted)

The committee can be contacted at uktug-committee@uk.tug.org.

1 Editorial

Welcome to the revived *Baskerville. Baskerville* was for many years the journal of UK-TUG and archived copies are available through our web-site. The UK-TUG committee have decided to start anew publication of *Baskerville* and I have been co-opted onto the committee as editor. This is the first new issue. Since the purpose of TeX is to produce "marks on paper" *Baskerville* has been printed and posted out; though all issues will also be available on the web.

The journal is named after a serif typeface designed in 1757 by John Baskerville. Previous issues of *Baskerville* used the Baskerville font but this issue uses the default *Computer Modern* font.

This particular issue is somewhat light in content. The quality of future issues will depend on *you*, the membership of UK-TUG. I do not intent to create all the content myself, and welcome contributions on matters relevant to TeX or UK-TUG.

I think that a newsletter is central to the well-being of a user group such as ours, and I look forwards to hearing your comments on this issue.

Jonathan Webley

2 Events

2.1 EuroTeX 2009

EuroTeX 2009 takes place this year in the Hague, the Netherlands, on 31 August through 4 September 2009, and the conference will focus on educational uses of TeX, such as manuals, presentations and teaching materials. The conference will be in English.

The fee for UK-TUG members is €350, which includes everything except the excursion day (which costs €75). In particular it includes accommodation and meals.

The official website is www.ntg.nl/EuroTeX2009.

2.2   BachoTEX 2009

BachoTEX 2009 is the XVIIth Polish TEX Users Group Conference.

As usual it will be held at the traditional TEXies' and GUST meeting place, Bachotek near Brodnica, in the north-east of Poland, from 29 April until 3 May 2009 inclusive.

The conference aims to get a glimpse of the future, and the title is:

> "*TEX: at a turning point, or at the crossroads?*"

The community is putting a lot of effort and thought into possible strategies for promoting and developing TEX and related products for the foreseeable future, including:

- TEX and TEX-based engines

- enhanced graphics engines

- new or improved macro packages

- user interfaces

- new fonts

Work progresses in many different directions, and thus there is clearly hope for an ever better future, even though the more pessimistic may wonder whether TEX represents an evolutionary dead-end.

In this context the feedback between users and developers of new tools and engines is immensely important – it might decide whether within a few years we will be looking back at today as a successful turning point or as a bad decision at the crossroads of TEX's history.

Conference themes or mottos often have little impact on submissions. The organisers of BachoTEX think otherwise. There is no restriction on the content of presentations but those that are user-centric and oriented towards the future of TEX with special emphasis on the needs, hopes and dangers are preferred.

Proposals (abstracts) should be e-mailed to the Program Committee: papers-2009@gust.org.pl. Bogusław Jackowski has been appointmed chairman.

Especially welcome are proposals for TEX-related tutorials or introductions. Contact the organisers if you have suggestions for tutorials or workshops by others than yourself or about specific topics.

The deadline for abstracts and other proposals is 8 March. The deadline for final papers will soon be published at the conference web site: www.gust.org.pl/BachoTeX/2009

Exhausted TEXies will get a chance to recover their intellectual powers during nightly musical sessions, usually at a bonfire. Participate by bringing your own instruments (and voices)! Nature fans will have the opportunity to enjoy the unspoiled features of the Bachotek lake and surrounding woods. The conference could also be a family event – the conference site is an enclosed area with a safe and attractive playing ground for children and parents alike.

Call for TEX Pearls

The organisers are seeking to continue the tradition of "The Pearls of TEX Programming". Here, briefly, is what is wanted:

- short TEX, MF or MP macro(s)

- results must be useful, and the solution not obvious

- easy to explain: 10 minutes at most

If you have something that fits the bill, please consider submitting a proposal. If you know of somebody's work that does the same, please let us know, and we will contact that person. Other details and previously collected Pearls can be found at www.gust.org.pl/projects/pearls

2.3   TUG 2009

TUG 2009 will take place in Notre Dame, Indiana, from 28-31 July. See http://tug.org/tug2009 for the registration form, maps, the proposals already accepted, and more.

April has several deadlines related to the conference:

- 13 April 2009: This is the deadline for abstract submissions; see http://tug.org/tug2009/cfp.html for the call for papers.

  Although proposals may be accepted after the deadline, of course potential attendees would like to know what they'll be seeing. So if you'd like to give a talk, please try to submit an abstract by the 13th.
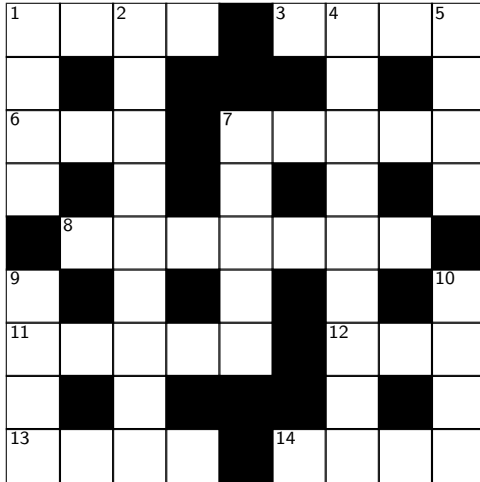
- 17 April 2009: This is the deadline for bursary applications; see http://tug.org/bursary for information and the application form. No late applications will be accepted.

- April 27: This is the deadline for the early bird registration discount. After this date, the registration fee will be increased. Register for the conference through Notre Dame's web-site via this link http://tug.org/tug2009/register.html

2.4   UKUUG Summer Conference 2009

UKUUG is the UK's Unix and Open Systems User Group. Their summer conference will be from Friday 7 August to Sunday 9 August 2009, at the Birmingham Conservatoire. See http://ukuug.org/events/summer2009/ for further details. One of the streams is likely to be a half day session on *T$_E$X and typesetting*.

3 The Hound

This is a somewhat easy, cryptic crossword and the solution can be found later in this issue.

Across

1 In Africa, see a container. (4)

3 These tools are a product of bad laws. (4)

6 Misuse this girl. (3)

7 These weeds for veg. (5)

8 On this ship, the wicked queen mates. (7)

11 Pawnbroker is mostly unclean. (5)

12 Mineral found in store? (3)

13 Poor deals are without a toboggan. (4)

14 Idea came from me, twice. (4)

Down

1 In the discus, perhaps, achieve one's peak. (4)

2 It's a sight, the centilitres in awful cat's pee. (9)

4 Beg and owe with one, sadly together we looked dismal. (9)

5 Kent's editor knows the issue. (4)

7 Hades loses a ghost. (5)

9 These insects cause errors. (4)

10 Sounds like I hear when present. (4)

4 Currency Symbols in LaTeX

Standard keyboards contain the dollar sign ($), which, of course, is a special symbol in TeX, so needs to be prefaced with a backslash or oblique: \$. This symbol works properly in both text mode and math mode.

Keyboards also have a pound sign (£), the use of which requires the package `inputenc`. Additionally, there is a standard command \pounds, which renders as £. This symbol works properly in both text mode and math mode.

Additionally, standard LaTeX contains two commands for these signs:

\textdollar which renders as $, and
\textsterling which renders as £.

The euro has its own package, `eurosym`, which contains these commands:

Symbol	LaTeX
€	\geneuro
€	\geneuronarrow
€	\geneurowide
€	\officialeuro

All of these symbols are generated using the "C" character of the current body font. The package also contains the command \euro which maps to \officialeuro but can be altered using a package option.

The `textcomp` package includes these symbols:

Symbol Name	LaTeX Used in
฿ baht	\textbaht Thailand (THB)
¢ cent	\textcent US, Canada
¢ cent, old style	\textcentoldstyle

Symbol Name	LaTeX Used in
₡ colón cedi	`\textcolonmonetary` Costa Rica (CRC), El Salvador (SVC), Ghana (GHS)
¤	`\textcurrency` Generic currency sign, used when no other sign is available.
₪ escudo[1]	`\textdollaroldstyle` formerly Portugal (PTE), Cape Verde (CVE)
₫ dong	`\textdong` Vietnam (VND)
€ euro	`\texteuro` Eurozone (EUR)
f florin	`\textflorin` Aruba (AWG), Netherlands Antilles (ANG)
₲ guarani	`\textguarani` Paraguay (PYG)
£ lira	`\textlira` Formerly Italy (ITL) and others
₦ naira	`\textnaira` Nigeria (NGN)
₱ peso	`\textpeso` Philippines (PHP)
₩ won	`\textwon` South Korea (KRW), North Korea (KPW)

[1]This version of the dollar sign with two vertical lines is called the cifrão. Amounts are generally written so that it serves as the decimal separator, such as 20$00 for 20 escudos.

Symbol Name	LaTeX Used in
¥	\textyen
yen, yuan	Japan (JPY), China (CNY)

The `mathdesign` package redefines \texteuro to be compatible with these fonts: *Utopia*, *Charter* or *Garamond*.

And then there is the `marvosym` package which has these symbols:

Symbol	LaTeX Use
₰	\Denarius[2]
	Obsolete symbol for the German pfennig
€	\EUR
€	\EURcr
	Euro compatible with *Courier*.
€	\EURdig
	Euro compatible with `marvosym` digits.
€	\EURhv
	Euro compatible with *Helvetica*.
€	\EURtm
	Euro compatible with *Times Roman*.
$	\EyesDollar
β	\Shilling[3]

In conclusion, LaTeX caters for all common, and some not so common, currency symbols. Unicode, however, has a few additional ones, and is far better documented.

Jonathan Webley

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[2]The denarius was a Roman coin. The dinar is a descendant of the denarius and is used, or was formerly used, by several countries. However, Serbia, for example, use the cyrillic De (Д) letter for the dinar.

[3]This symbol resembles a beta (β) but I belive it to be more akin to the German Eszett (ß). It is possibly a symbol for the schilling, the pre-euro currency of Austria.

5   The Hound Answers

Across

1. case, 3. awls, 6. Sue, 7. swede, 8. steamer, 11. uncle, 12. ore, 13. sled, 14. meme

Down

1. cusp, 2. spectacle, 4. woebegone, 5. seed, 7. shade, 9. bugs, 10. here