Hyphenation exception log

Barbara Beeton

This is the periodic update of the list of words that \TeX{} fails to hyphenate properly. The full list last appeared in TUGboat 16:1, starting on page 12, with updates in TUGboat 22:1/2, pp. 31–32; 23:3/4, pp. 247–248; 26:1, pp. 5–6; 29:2, p. 239, and 31:3, p. 160.

In the list below, the first column gives results from plain \TeX{}’s \texttt{\showhyphens{...}}. The entries in the second column are suitable for inclusion in a \texttt{\hyphenation{...}} list.

In most instances, inflected forms are not shown for nouns and verbs; note that all forms must be specified in a \texttt{\hyphenation{...}} list if they occur in your document. The full list of exceptions, as a \TeX{}-readable file, appears at \url{http://mirror.ctan.org/info/digests/tugboat/ushyphex.tex}. (It’s created by Werner Lemberg’s scripts, available in the subdirectory \texttt{hyphenex}.)

Like the full list, this update is in two parts: English words, and names and non-English words (including transliterations from Cyrillic and other non-Latin scripts) that occur in English texts.

Thanks to all who have submitted entries to the list. Here is a short reminder of the relevant idiosyncrasies of \TeX{}’s hyphenation. Hyphens will not be inserted before the number of letters specified by \texttt{\lefthyphenmin}, nor after the number of letters specified by \texttt{\righthyphenmin}. For U.S. English, \texttt{\lefthyphenmin}=2 and \texttt{\righthyphenmin}=3; thus no word shorter than five letters will be hyphenated. (For the details, see The \TeX{}book, page 454.) This particular rule is violated in some of the words listed; however, if a word is hyphenated correctly by \TeX{} except for “missing” hyphens at the beginning or end, it has not been included here.

Some other permissible hyphens have been omitted for reasons of style or clarity. While this is at least partly a matter of personal taste, an author should think of the reader when deciding whether or not to permit just one more break-point in some obscure or confusing word. There really are times when a bit of rewriting is preferable.

One other warning: Some words can be more than one part of speech, depending on context, and have different hyphenations; for example, ‘analyses’ can be either a verb or a plural noun. If such a word appears in this list, hyphens are shown only for the portions of the word that would be hyphenated in the same way regardless of usage.

The reference used to check these hyphenations is Webster’s Third New International Dictionary, unabridged.

Hyphenation for languages other than U.S. English

Patterns now exist for many languages other than U.S. English, including languages using accented and non-Latin alphabets. CTAN holds an extensive collection of patterns; see \texttt{language/hyphenation} and its subdirectories.

A group of volunteers led by Mojca Miklavec and Manuel Pégoürié-Gonnard have created a comprehensive package of hyphenation patterns, called \texttt{hyph-utf8}; see \url{http://tug.org/tex-hyphen}.

The list — English words

<table>
<thead>
<tr>
<th>acronym</th>
<th>acro-nym</th>
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</thead>
<tbody>
<tr>
<td>anachro-nism(tic)</td>
<td>anach-ro-nism(-tic)</td>
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<td>anal-y-sis</td>
<td>analy-sis</td>
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<td>ap-pen-dices</td>
<td>ap-pen-di-ces</td>
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<td>ap-pendix</td>
<td>ap-pen-dix</td>
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<td>au-tore-gres-sion</td>
<td>au-to-re-gres-sion</td>
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<td>au-tore-gres-sive</td>
<td>au-to-re-gres-sive</td>
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<td>bedrag-gle</td>
<td>be-drag-gle</td>
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<td>bed-warf</td>
<td>be-dwarf</td>
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<td>bi-bunits</td>
<td>bib-units</td>
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<td>bio-weapon(s,ry)</td>
<td>bio-weapon(-ry)</td>
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<td>bungee</td>
<td>bun-gee</td>
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<td>cochlea(s,r)</td>
<td>coch-lea(r)</td>
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<td>co-designer</td>
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<td>con-ge-ries</td>
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<td>co-semi-sim-ple</td>
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<td>econ-o-mies</td>
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<td>en-dos-copy</td>
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<td>en-doscopy</td>
<td>en-dos-copy</td>
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<td>eu-stachian</td>
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<td>fluor-os-copies</td>
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<td>geode-tic</td>
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<td>group-like</td>
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<td>halflife(ves)</td>
<td>half-life(ves)</td>
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<td>he-liopause</td>
<td>he-lio-pause</td>
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<td>he-liotrope</td>
<td>he-lio-trope</td>
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<td>holodeck</td>
<td>hol-o-deck</td>
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<td>hound-steeoth</td>
<td>hounds-teeth</td>
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<td>hound-stooth</td>
<td>hounds-tooth</td>
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<td>hy-per-e-las-tic-ity</td>
<td>hy-per-e-las-tic-ity</td>
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<td>hy-poe-las-tic-ity</td>
<td>hy-poe-las-tic-ity</td>
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<td>illiq-ui(d)ity</td>
<td>il-li-quid(-ity)</td>
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<tr>
<td>let-ter-space(s,d)</td>
<td>let-ter-spaces(d)</td>
</tr>
</tbody>
</table>
li-quad-ity
look-ahead
macro-econ-omy
megafauna(l)
meta-sta-bil-ity
meta-stable
meta-table
meta-tables
method
mi-cro-econ-omy
mi-croen-ter-prize
mi-crostruc-ture
monospac-ing
pager-ank
plateau
purges
reed-u-cate
refugee
satel-lite
sha-pable
sin-glespace(d)
sin-glespac-ing
sl-nuni-code
spokes-man
spokes-per-son
sub-tables
sub-perderiva-tion
surgery
surg-eries
surges
takeover
topo-so-merase
weapon(s,ry)

Names and non-English words
Apol-lodorus
Be-bchuk
Bur-ck-hardt
Chester
Chi-ang
Chich-ester
Co-hen
Dor-fleit-ner
Drech-sler
Ei-jkhout
En-gle
En-gel
Gesellschaft
Got-tieb
Hu-ber
Jun-gian
Key-ne-sian
Kro-necker
Lu-cas
Mac-Beth
Mag-el-lan
Methodist
Method-ism
No-towidigdo
Ob-st-feld
Ore-opou-los
Raviku-mar
Re-ich-lin
Schim-melpfen-nig
Schw-ert
Thiru-vanam-da-pu-ram
Toy-ota
We-in-stein
William(s)
Wolf-fian

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This regular issue (Vol. 33, No. 1) is the first issue of the 2012 volume year. No. 2 will contain papers from the TUG 2012 conference in Boston, Massachusetts, USA, and No. 3 will be a regular issue.

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Submitting items for publication
The deadline for receipt of final papers for the next issue is July 30, and for the one after, October 1.

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