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## Hyphenation Exception Log

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This is the periodic update of the list of words that  $\text{\TeX}$  fails to hyphenate properly. The full list last appeared in *TUGboat* 16, no. 1, starting on page 12, with updates in *TUGboat* 22, no. 1/2, pages 31–32, and *TUGboat* 23, no. 3/4, pages 247–248. This installment contains only exceptions identified since the last update.

In the list below, the first column gives results from  $\text{\TeX}$ 's `\showhyphens{...}`; entries in the second column are suitable for inclusion in a `\hyphenation{...}` list.

In most instances, inflected forms are not shown for nouns and verbs; note that all forms must be specified in a `\hyphenation{...}` list if they occur in your document. See the section below, “Converting this list into a list of hyphenation exceptions”.

Like the full list, this update has been subdivided into 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. Since some suggestions have demonstrated a lack of familiarity with the rules of the hyphenation algorithm, here is a short reminder of the relevant idiosyncrasies. Hyphens will not be inserted before the number of letters specified by `\lefthyphenmin`, nor after the number of letters specified by `\righthyphenmin`. For U.S. English, `\lefthyphenmin=2` and `\righthyphenmin=3`; thus no word shorter than five letters will be hyphenated. (For the details, see *The  $\text{\TeX}$ book*, page 454.) This particular rule is violated in some of the words listed; however, if a word is hyphenated correctly by  $\text{\TeX}$  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 the same regardless of usage. These words are marked with a ‘\*’; additional hyphenation points, if needed in your document, should be inserted with discretionary hyphens.

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

### Hyphenation for languages other than English

Patterns now exist for many languages other than English, including languages using accented alphabets. CTAN holds an extensive collection of patterns in `tex-archive/language/hyphenation` and its subdirectories.

### Converting this list into a list of hyphenation exceptions

Werner Lemberg has created a script that will convert this article into a real `\hyphenation` block that can be incorporated into a document either directly or by inputting a file. Many inflected forms will be included automatically, some evident in the printed version, but many included silently.

The script, `hyphenex.sh`, runs under Unix. It is posted on CTAN, along with its output for the current set of exceptions, in

`tex-archive/info/digests/tugboat/`

### The List — English words

acronym	acro-nym
au-ton-um-ber-ing	au-to-num-ber-ing
au-tonomous	au-ton-o-mous
boolean	bool-ean
buffer	buf-fer
chloromethane	chloro-meth-ane
core-la-tion(s)	co-re-la-tion(s)
core-li-gion-ist(s)	co-re-li-gion-ist(s)
core-op-sis	co-re-op-sis
core-spon-dent(s)	co-re-spon-dent(s)
coworker	co-work-er

crankcase	crank-case
crossover	cross-over
cuf-flink(s)	cuff-link(s)
cus-tomiz-able	cus-tom-iz-a-ble
cus-tomize(s,d)	cus-tom-ize(s,d)
dichloromethane	di-chloro-meth-ane
ethane	eth-ane
flu-o-ro-car-bon	fluoro-car-bon
geother-mal	geo-ther-mal
grandun-cle	grand-uncle
hy-drother-mal	hy-dro-ther-mal
keynote	key-note
manslaugh-ter	man-slaugh-ter
methane	meth-ane
ni-tromethane	nitro-meth-ane
of-fline	off-line
of-fload(s,ed)	off-load(s,ed)
palette	pal-ette
pipelin-ing	pipe-lin-ing
prewrap(ped)	pre-wrap(ped)
pro-grammable	pro-gram-mable
promi-nent	prom-i-nent
promis-cu-ous	pro-mis-cu-ous
promis-sory	prom-is-sory
promise	prom-ise
prowess	pro-w-ess
qu-a-sitriv-ial	qua-si-triv-ial
rephrase(s,d)	re-phrase(s,d)
rewrap(ped)	re-wrap(ped)
subex-pres-sion	sub-ex-pres-sion
taffrail	taff-rail
tri-ethy-lamine	tri-ethyl-amine
vi-sual(ly)	vis-ual(-ly)

### Names and non-English words used in English text

AT-Pase	ATP-ase
Delaware	Del-a-ware
Du-ane	Duane
FreeBSD	Free-BSD
Hadamard	Ha-da-mard
Har-alam-bous	Hara-lam-bous
Jack-owski	Jac-kow-ski
Ma-cOS	Mac-OS
Math-SciNet	Math-Sci-Net
NetBSD	Net-BSD
OpenBSD	Open-BSD
OpenOf-fice	Open-Office
PfaEdit	Pfa-Edit
Richard	Rich-ard
Southall	South-all
Tomaszewski	To-ma-szew-ski
VMware	VM-ware
Werner	Wer-ner
WinEdt	Win-Edt

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