#### Hyphenation exception log

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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; 31:3, p. 160; 33:1, pp. 5–6; 34:2, pp. 113-114; and 36:1, p. 5. The full list is included here. Owing to the length of the list, it 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.

This list is specific to the hyphenation patterns that appear in the original hyphen.tex, that is, the patterns for U.S. English. Regarding patterns for other languages, see below, "Hyphenation for languages other than U.S. English".

In the list below, the first column gives results from plain TEX's \showhyphens{...}. The 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. The full list of exceptions, as a TEX-readable file, appears in http://mirror.ctan.org/info/digests/tugboat. (It's created automatically, and is available in the hyphenex subdirectory; see below.)

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=2 and \righthyphenmin=3; thus no word shorter than five letters will be hyphenated. (For the details, see The TeXbook, 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 breakpoint 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. These words are marked with a '\*'; additional hyphenation points, if needed in your document, should be inserted with discretionary hyphens.

Words added since the last appearance of the list are preceded by '+'.

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 language/hyphenation and its subdirectories.

A group of volunteers led by Mojca Miklavec have created a comprehensive package of hyphenation patterns, called hyph-utf8; see http://tug.org/tex-hyphen.

# Converting this list into machine-usable hyphenation exceptions

Werner Lemberg has created scripts to convert this article into a machine-readable \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. Both shell and Perl versions of the script are available (for no particular reason), with identical behavior. Everything is available through CTAN at http://mirror.ctan.org/info/digests/tugboat.

The TeX-usable output of the script is posted in the same area as ushyphex.tex.

#### The list—English words

academy(ies) acad-e-my(ies) ac-cusative ac-cu-sa-tive acronym acro-nym acry-lamide acryl-amide acry-lalde-hyde acryl-alde-hyde acupunc-ture(ist) acu-punc-ture(-ist) addable add-a-ble ad-di-ble add-i-ble adren-a-line adrenaline aerospace aero-space

af-terthought agronomist al-ge-braically am-phetamine anachro-nism(tic) anal-yse(d) anal-y-ses anal-y-sis aneurysm aneurys-mal anisotropic anisotrop-i-cally anisotropism anisotropy an-niver-saryies anomaly(ies) an-tideriva-tive an-ti-holo-mor-phic anti-nomy(ies) antin-u-clear antin-u-cleon an-tirev-o-lu-tion-ary ape-ri-odic apotheoses apotheo-sis

ap-pen-dices ap-pendix archimedean archipelago archipelago archive archiv-ing archivist archety-pal archetype archetyp-i-cal arc-t-an-gent

as-pheric as-pher-i-cal assignable as-sig-nor as-sis-tant(ce) as-sis-tantship + as-trologer + as-tronomer asymp-tomatic asymp-totic asyn-chronous atheroscle-ro-sis at-mo-sphere at-tribute at-tributed at-tributable au-toma-tion au-toma-ton(a) au-ton-um-ber-ing au-tonomous au-tore-gres-sion au-tore-gres-sive au-toround-ing avoirdupois backscratch(er,ing)

ban-dleader

af-ter-thought agron-o-mist al-ge-bra-i-cal-ly am-phet-a-mine anach-ro-nism(-tic) an-a-lyse(d) analy-ses\* analy-sis an-eu-rysm an-eu-rys-mal an-iso-trop-ic an-iso-trop-i-cal-ly an-isot-ro-pism an-isot-ropy an-ni-ver-sary(ies) anom-a-ly(ies) anti-deriv-a-tive anti-holo-mor-phic an-tin-o-my(ies) anti-nu-clear

anti-rev-o-lu-tion-arv a-peri-odic apoth-e-o-ses apoth-e-o-sis ap-pen-di-ces ap-pen-dix ar-chi-me-dean ar-chi-pel-ago ar-chi-pel-a-gos ar-chive ar-chiv-ing ar-chiv-ist  $\operatorname{ar-che-typ-al}$ ar-che-type ar-che-typ-i-cal arc-tan-gent

anti-nu-cle-on

(better: arctangent) a-spher-ic a-spher-i-cal as-sign-a-ble as-sign-or as-sist-ant(ce) as-sist-ant-ship as-trol-o-ger as-tron-o-mer asymp-to-matic as-vmp-tot-ic asyn-chro-nous  $at h\hbox{-er-o-scle-ro-sis}$ at-mos-phere at-tri-bute at-trib-uted at-trib-ut-able au-to-ma-tion au-tom-a-ton(a) auto-num-ber-ing au-ton-o-mous auto-re-gres-sion auto-re-gres-sive auto-round-ing av-oir-du-pois

back-scratcher(-ing)

band-lead-er

bankrupt(s,cy,cies) bank-rupt(s,-cy,-cies) ba-ronies bar-onies base-li-neskip \base-line-skip ba-thym-e-try bathymetry bathyscaphe bathy-scaphe bean-ies

bea-nies bedrag-gle be-drag-gle bedrid-den bed-rid-den bedrock bed-rock bed-warf be-dwarf be-haviour be-hav-iour be-vies bevies

bib-lio-graph-i-cal bib-li-o-graph-i-cal

bib-li-og-ra-phystyle

bi-bunits

bid-if-fer-en-tial biggest bigshot bil-l-able biomath-e-mat-ics biomed-i-cal biomedicine

biorhythms bioweapon(s,ry) bitmap blan-der(est) blin-der(est) blon-des blueprint bolome-ter book-seller boolean bornolog-i-cal

bo-tulism

brus-quer

buffer

bungee bus-ier(est) buss-ing but-ted buz-zword cacheabil-ity cacheable ca-cophony(ies) caller cam-er-a-men

cartwheel catarrh  $^{+}$  catas-tro-phe catas-trophic catas-troph-i-cally  $^+$  catas-trophism catenoid cauliflower chancery cha-parral chartreuse chemother-apy

 $^{+}$  chemokine chloromethane cholesteric cigarette cin-que-foil coas-so-cia-tive

\bib-li-og-ra-phy-style bib-units

bi-dif-fer-en-tial big-gest big-shot bill-able bio-math-e-mat-ics

bio-med-i-cal bio-med-i-cine bio-rhythms bio-weap-ons(-ry) bit-map bland-er(-est) blind-er(-est) blondes blue-print bo-lom-e-ter book-sell-er bool-ean bor-no-log-i-cal bot-u-lismbrusquer buf-fer bun-gee busier(-est) bussing butted buzz-word cache-abil-ity

call-er cam-era-men cart-wheel ca-tarrh ca-tas-tro-phe cat-a-stroph-ic cat-a-stroph-i-cally ca-tas-tro-phism cat-e-noid cau-li-flow-er chan-cery chap-ar-ral char-treuse chemo-kine chemo-ther-apy chloro-meth-ane cho-les-teric cig-a-rette cinque-foil co-asso-cia-tive

cache-able

ca-coph-o-ny(ies)

dia-lec-ti-cian cochlea(s,r) coch-leas(r) di-alec-ti-cian code-signer co-designer dichloromethane di-chloro-meth-ane dif-fract co-gnac cognac diffract cog-nacs co-gnacs dif-frac-tion diffrac-tion cok-er-nel co-ker-nel di-rer direr collineation col-lin-ea-tion di-re-ness dire-ness col-umns columns dis-parand dis-par-and com-par-and dis-traugh-tly dis-traught-ly com-parand com-par-ands dis-tributable dis-trib-ut-able com-para-nds com-pendium com-pen-dium dis-tribute(s,d) dis-trib-ute(s,d) com-po-nen-t-wise com-po-nent-wise dis-tribu-tive dis-trib-u-tive dou-ble-space(d) comp-trol-ler dou-blespace(d) comptroller com-put-able dou-blespac-ing dou-ble-spac-ing com-putable com-put-abil-ity dou-ble-talk com-putabil-ity dou-bletalk con-formable con-form-able dol-lish doll-ish con-formist con-form-ist drif-tage drift-age con-for-mity con-form-ity drivers driv-ers con-geries con-ge-ries dromedary(ies) drom-e-dary(ies) con-gress drop-let congress droplet  $^+$  con-structed du-op-o-list con-struc-tedduopolist du-op-o-ly(ies) con-structible con-struc-ti-ble duopoly(ies) con-structibil-itv con-struc-ti-bil-ity dyslexia dvs-lexia con-trib-ute(s,d) dys-lec-tic con-tribute(s,d) dyslec-tic copy-rightable copy-right-able dystopia dys-topia co-re-la-tion(s) east-end-ers core-la-tion(s) eas-t-en-ders core-li-gion-ist  $\operatorname{co-re-li-gion-ist}$ eco-sys-tem ecosys-tem core-op-sis co-re-op-sis eco-nomics eco-nom-ics core-spon-dent(s) co-re-spon-dent(s) economies econ-o-mies cose-cant co-se-canteconomist econ-o-mist  ${\it co\text{-}semi\text{-}sim\text{-}ple}$ eigen-class(es) ei-gen-class(es) cosemisim-ple cotan-gent co-tan-gent eigen-value(s) ei-gen-val-ue(s) electro-mechan-i-cal courses cour-ses elec-trome-chan-i-cal coworker co-work-er elec-tromechanoa-cous-tic electro-mechano-acoustic elec-tro-pho-re-sis crankcase crank-case elec-trophore-sis crank-shaft elec-tro-pho-ret-ic crankshaft. elec-trophoretic elit-ist crocodile croc-o-dile eli-tist crosshatch(ed,ing) cross-hatch(ed,-ing) en-doscopy(ies) en-dos-copy(ies) en-trepreneur(s,ial) en-tre-pre-neur(s,-ial) crossover cross-over cryp-togram(s) cryp-to-gram(s) epinephrine ep-i-neph-rine cuf-flink(s) cuff-link(s) ep-stopdf eps-to-pdf cu-nei-form equiv-ari-ant(ce) equi-vari-ant(ce) cuneiform cus-tomiz-able cus-tom-iz-a-ble er-gonomic er-go-nom-ic er-go-nom-i-cally cus-tomize(s,d) cus-tom-ize(s,d) er-gonom-i-cally cy-ber-virus(es) cy-bervirus(es) essence es-sence cy-ber-weapon cy-ber-wea-pon ethane eth-ane + cy-tokine cy-to-kine ethy-lamine eth-yl-am-ine dachs-hund dachshund ethy-late eth-yl-ate ethy-lene dam-selfly(ies) dam-sel-fly(ies) eth-vl-ene dacty-lo-gram(aph) dactyl-o-gram(aph) ethynyl ethy-nyl database data-base ethyny-la-tion ethy-nyl-a-tion dat-a-p-ath data-path eu-stachian eu-sta-chian date-stamp ever-si-ble dat-es-tamp ev-ersible deal-lo-cate(s,d) de-allo-cate(s,d) evert(s,-ed,-ing) ev-ert(s,ed,ing) de-allo-ca-tion deal-lo-ca-tion ex-plana-tory ex-plan-a-tory declarable de-clar-able exquisite ex-quis-ite de-fin-i-tive defini-tive ex-traor-di-nary ex-tra-or-di-nary facelift(s,ing) delectable de-lec-ta-ble face-lifts(-ing) demisemi-qua-ver demi-semi-qua-ver falling fall-ing democratism de-moc-ra-tism fermions fermi-ons de-mos demos fig-urine figu-rine der-i-va-tion finitely fi-nite-ly deriva-tion der-i-va-tion-al flag-el-lum(la) fla-gel-lum(-la) deriva-tional deriva-tive de-riv-a-tive flammables flam-ma-bles di-alec-tic dia-lec-tic fledgling fledg-ling

flowchart flow-chart flu-o-ro-car-bon fluoro-car-bon flu-o-ro-scopies fluor-os-copies fluor-os-copy flu-o-roscopy formidable(y) for-mi-da-ble(v) forsythia for-syth-ia forth-right forthright freeloader free-loader friendlier(est) friend-lier(-est) frivolity fri-vol-ity frivolous friv-o-lous front-end fron-tend ga-lac-tic galac-tic galaxy(ies) gal-axy(-ies) gaz-et-teer gazetteer ga-some-ter gas-om-e-ter geodesic ge-o-des-ic geode-tic ge-o-det-ic ge-om-eter ge-ome-ter ge-o-met-ric geo-met-ric geostrophic ge-o-strophic geother-mal geo-ther-mal geotropism ge-ot-ro-pism gigan-odes giga-nodes gnomon gno-mon gran-di-ose grandiose grandun-cle grand-uncle grievance griev-ance griev-ous(-ly) grievous(ly) grou-p-like group-like hairstvle hair-style hairstylist hair-styl-ist halflife(ves) half-life(ves) half-space half-s-pace half-tone halftone half-way halfway harbinger har-bin-ger har-le-quin harlequin hatch-eries hatcheries heinous hei-nous he-lio-pause he-liopause he-liotrope he-lio-trope hemidemisemi-qua-ver hemi-demi-semi-qua-ver hemoglobin he-mo-glo-bin

he-mo-phil-ia hemophilia hemophil-iac he-mo-phil-iac hemo-rhe-ol-ogy hemorhe-ol-ogy hep-atic he-pat-ic hep-at-ica he-pat-ica hermaphrodite(ic) her-maph-ro-dite(-ic)

heroes he-roes hexa-dec-i-mal hex-adec-i-mal + hip-popota-mus hip-po-po-ta-mus holo-deck holodeck

holon-omy ho-lo-no-my ho-meo-mor-phic(sm)home-o-mor-phic(sm) home-o-static ho-meo-stat-ic home-osta-sis ho-meo-sta-sis ho-mo-th-etic ho-mo-thetic horse-rad-ish horseradish hot-bed hothed hound-steeth hounds-teeth hound-stooth hounds-tooth hy-drother-mal hy-dro-ther-mal

hy-per-elas-tic-ity hy-per-e-las-tic-ity hy-phen-ation hy-phen-a-tion hy-poe-las-tic-ity hy-po-elas-tic-ity hy-potha-la-mus hy-po-thal-a-mus  $^{+}$  icono-g-ra-pher ico-nog-ra-pher  $^{+}$  icono-graphic icon-o-graph-ic + iconog-ra-phy ico-nog-ra-phy ide-als ideals ideographs ideo-graphs id-iosyn-crasy idio-syn-crasy id-iosyn-cratic(ally) idio-syn-cratic(-i-cal-ly)

ig-niter ig-nit-er ig-n-i-tor ig-ni-tor ig-nores-paces \ignore-spaces illiq-uid(ity) il-li-quid(-ity)  $^+$  im-mu-niza-tion im-mu-ni-za-tion + im-munomod-u-la-tory im-mu-no-mod-u-la-to-rv impedance

im-ped-ance in-du-bitable in-du-bi-ta-ble in-finitely in-fin-ite-ly in-finites-i-mal in-fin-i-tes-i-mal in-fras-truc-ture in-fra-struc-ture in-pu-tenc input-enc in-stallers in-stall-er in-teg-rity

in-tegrity in-ter-dis-ci-pli-nary in-ter-dis-ci-plinary in-ter-galac-tic in-ter-ga-lac-tic in-ter-vie-wee in-ter-view-ee in-utile inu-tile inu-til-ity in-util-i-ty ir-ra-tional ir-ra-tio-nal ir-re-ducible(y) ir-re-duc-ible(y) ir-re-vo-ca-ble ir-rev-o-ca-ble iso-geo-met-ric iso-ge-o-met-ric iso-ther-mal isother-mal isotropy isot-ropy isotropic iso-trop-ic itin-er-ary(-ies) itinerary(ies) jeremi-ads je-re-mi-ads keynote kev-note keystroke key-stroke  $^+$  kilo-n-odes kilo-nodes kil-ning kiln-ing lac-i-est la-ciest lamentable lam-en-ta-ble land-sca-per land-scap-er larceny(ies,ist) lar-ce-n(y,ies,ist) leaf-hop-per leafhop-per

leaflet leaf-let let-terspace(s,d) let-ter-spaces(d) let-terspac-ing let-ter-spac-ing leu-ko-cyte leuko-cyte  $^+$  leukotriene leu-ko-triene life-span lifes-pan lifestyle life-style lift-off liftoff lightweight light-weight lim-ou-sines limousines linebacker line-backer lines-pac-ing \line-spacing li-on-ess li-oness liq-uid-ity li-quid-ity lithographed lith-o-graphed lithographs lith-o-graphs

 $^+$  molec-u-lar

mo-lec-u-lar

lobotomy(ize) lo-bot-omy(-ize) molecule mol-e-cule lo-ges loges monar-chs mon-archs money-len-der longest long-est mon-eylen-der looka-head look-ahead mono-chrome monochrome lo-quacity lo-quac-ity mo-noen-er-getic mono-en-er-getic lovestruck love-struck monoid mon-oid macroe-co-nomic macro-eco-nomic monoph-thong mon-oph-thong mono-pole macroe-con-omy macro-econ-omy monopole make-in-dex mo-nop-oly makein-dex monopoly malapropism mal-a-prop-ism monospace mono-space manslaugh-ter man-slaugh-ter monospac-ing mono-spacing man-u-script mono-spline manuscript monos-pline mar-gin-al monos-trofic mono-strofic marginal math-e-mati-cian math-e-ma-ti-cian mono-tonies mo-not-o-nies mo-not-o-nous mat-tes mattes monotonous med-i-caid med-ic-aid mo-ro-nism mo-ron-ism mediocre medi-ocre mosquito mos-qui-to medi-o-crities medi-oc-ri-ties mu-d-room mud-room mega-fau-na(l) mul-ti-fac-eted megafauna(1) mul-ti-faceted me-galith mega-lith mul-ti-pli-ca-ble(y) mul-ti-plic-able(y)  $^+$  megan-odes mega-nodes mul-tiuser multi-user (better metabolic meta-bol-ic with explicit hyphen) me-tab-o-lismmetabolismnames-pace name-space metabo-lite me-tab-o-lite ne-ofields neo-fields meta-form neo-nazi metaform neon-azi neph-ews meta-lan-guage met-a-lan-guage nephews metaphor meta-phor nephrite(ic) neph-rite(ic) metaphor-i-cal(ly) meta-phor-i-cal(-ly) newest new-est meta-sta-bil-ity news-let-ter metasta-bil-ity newslet-ter meta-stable metastable nilpo-tent nil-po-tent metat-able meta-table ni-tromethane nitro-meth-ane node-list metat-a-bles meta-tables nodelist metempsy-chosis metem-psy-cho-sis non-ame no-name meth-am-phet-a-mine  ${\rm non\text{-}ar\text{-}ith\text{-}met\text{-}ic}$ metham-phetamine nonar-ith-metic meth-ane non-emer-gency methane none-mer-gency method meth-od nonequiv-ari-ance non-equi-vari-ance methy-lam-mo-nium meth-yl-am-mo-nium nonethe-less none-the-less methy-late meth-yl-ate noneu-clidean non-euclid-ean methy-la-tion non-i-so-mor-phic non-iso-mor-phic meth-yl-a-tion nonpseu-do-com-pact methy-lene meth-yl-ene non-pseudo-com-pact me-trop-o-lis(es) metropo-lis(es) non-s-mooth non-smoothmetropoli-tan met-ro-pol-i-tan nonuni-form(ly) non-uni-form(-ly) mi-croe-co-nomic micro-eco-nomic nonzero non-zero mi-croe-con-omy nore-pinephrine micro-econ-omy nor-ep-i-neph-rine mi-croen-ter-prise micro-en-ter-prise notwith-stand-ing not-with-stand-ing mi-crofiche mi-cro-fiche nu-cleotide nu-cleo-tide mi-croor-gan-ism micro-organ-ism nutcracker nut-crack-er mi-cro-struc-ture oer-st-eds oer-steds mi-crostruc-ture midafter-noon mid-after-noon of-fline off-line mill-age of-fload(s,ed) off-load(s,ed) mil-lage milliliter mil-li-liter oligopolist oli-gop-o-list  ${\it mimeo-graphed}$ oli-gop-oly(-ies) mimeographed oligopoly(ies) mimeo-graphs om-nipresent(ce) om-ni-pres-ent(ce) mimeographs mimi-cries mim-ic-ries ono-matopoeia ono-mat-o-poe-ia minesweeper mine-sweeper ono-matopo-etic ono-mat-o-po-et-ic op-er-and(s) mi-nis min-is operand(s) min-isym-po-sium(a) mini-sym-po-sium(a) orangutan orang-utan min-uter(est) mi-nut-er(-est) or-thodon-tist or-tho-don-tist mis-chievously mis-chie-vous-ly or-thok-er-a-tol-ogy or-tho-ker-a-tol-ogy mis-ers mi-sers or-thoni-tro-toluene ortho-nitro-toluene mis-ogamy mi-sog-a-my (or-tho-ni-tro-tol-u-ene) mne-mon-ic overview over-view mnemonic mod-elling mod-el-ling ox-i-dic ox-id-ic

padding

pad-ding

pager-ank
painlessly
palette
parabola
parabolic
paraboloid
paradigm
parachute
paradimethyl-ben-zene

paraflu-o-ro-toluene

para-g-ra-pher
par-ale-gal
par-al-lelism
para-m-ag-netism
paramedic

param-ethy-lanisole

parametriza-tion parametrize paramil-i-tary paramount pathogenic pee-vish(ness) + penalty(ies) pen-tagon petroleum phe-nolph-thalein phe-nomenon pheny-lala-nine

pheny-lala-nir philatelist phoneme phone-mic phos-pho-ric pho-tographs pho-tooff-set ph-tha-la-mic ph-tha-late ph-thi-sis pi-cador pipeline(s) pipelin-ing pi-ran-has pla-ca-ble

plan-thop-per

plateau

plu-gin

plea-sance

poltergeist

polyandr(y,ous)
poly-dactyl(lic)
polyene
polyethy-lene
polygamist
poly-go-niza-tion

polyp

polyphon(y,ous)
poly-phonic
polystyrene
pomegranate
poroe-las-tic
porous

polygyn(y,ous)

page-rank pain-less-ly pal-ette pa-rab-ola par-a-bol-ic pa-rab-o-loid par-a-digm para-chute

para-di-methyl-benzene (para-di-meth-yl-ben-zene)

para-fluoro-toluene (para-flu-o-ro-tol-u-ene)

para-graph-er para-le-gal par-al-lel-ism para-mag-net-ism

para-medic para-methyl-anisole

(para-meth-yl-an-is-ole)
pa-ram-e-triza-tion
pa-ram-e-trize
para-mil-i-tary
para-mount
path-o-gen-ic
peev-ish(-ness)
pen-al-ty(ies)
pen-ta-gon
pe-tro-le-um
phe-nol-phthalein

phi-lat-e-list pho-neme pho-ne-mic phos-phor-ic pho-to-graphs pho-to-off-set phtha-lam-ic phthal-ate phthi-sis pic-a-dor pipe-line(s) pipe-lin-ing pi-ra-nhas

placa-ble

pla-teau

plant-hop-per

phe-nom-e-non

phenyl-ala-nine

pleas-ance plug-in pol-ter-geist poly-an-dr(y,ous) poly-dac-tyl(-lic) poly-ene polyg-eth-yl-ene po-lyg-a-mist polyg-on-i-za-tion

po-lyg-y-n(y,ous) pol-yp po-lyph-o-n(y,ous) poly-phon-ic poly-styrene pome-gran-ate poro-elas-tic por-ous portable
postam-ble
posthu-mous
postscript
pos-tu-ral
pream-ble
prefers
preloaded
prepar-ing
preprint(s)
pre-pro-ces-sor
presently
pre-s-plit-ting

pre-s-plit-ting prewrap(ped) priestesses pret-typrinter(ing) pro-ce-du-ral pro-cess

procu-rance
pro-ge-nies
progeny
pro-grammable
prokary-ote
prokary-otic
promi-nent
promis-cu-ous
promis-sory
promise
pro-peller
pro-pelling
pro-hibitive(ly)

prosci-utto

prostaglandin
prostyle
protester(s)
protestor(s)
pro-tolan-guage
pro-to-ty-pal
province(s)
provin-cial
provirus

prowess

pseu-dod-if-fer-en-tial

pseud-ofi-nite pseud-ofinitely pseud-o-forces pseu-do-g-ra-pher pseu-dogroup pseudonym pseu-doword psychedelic psy-chs pubescence purges quadding quadratic(s) quadra-ture quadri-lat-eral quadriplegic quadruped quadrupole

quain-ter(est)

por-ta-ble post-am-ble post-hu-mous post-script pos-tur-al pre-am-ble pre-dict-able pre-fers pre-loaded pre-par-ing pre-print(s) pre-proces-sor pres-ent-ly \pre-split-ting pre-wrap(ped) priest-esses

pret-ty-prin-ter(ing)
pro-ce-dur-al
process \*
pro-cur-ance
prog-e-nies
prog-e-ny
pro-gram-mable
pro-kary-ote
pro-kary-ot-ic

prom-i-nent
pro-mis-cu-ous
prom-is-sory
prom-ise
pro-pel-ler
pro-pel-ling
pro-hib-i-tive(-ly)
pro-sciut-to
pros-ta-glan-din
pro-style
pro-test-er(s)
pro-test-or(s)
pro-to-lan-guage
pro-to-typ-al
prov-ince(s)

pro-vin-cial

pro-virus

prow-ess pseu-do-dif-fer-en-tial (or pseudo-) pseu-do-fi-nite pseu-do-fi-nite-ly pseu-do-forces pseu-dog-ra-pher pseu-do-group pseu-do-nym pseu-do-word psy-che-del-ic psychs pu-bes-cence pur-ges quad-ding qua-drat-ic(s) quad-ra-ture quad-ri-lat-er-al quad-ri-pleg-ic quad-ru-ped

quad-ru-pole

quaint-er(-est)

quasiequiv-a-lence qua-si-equiv-a-lence (or quasi-) qua-si-equiv-a-lent quasiequiv-a-lent quasi-hy-ponor-mal qua-si-hy-po-nor-mal quasir-ad-i-cal qua-si-rad-i-cal quasiresid-ual qua-si-resid-ual qua-sis-mooth qua-si-smooth qua-sis-ta-tion-ary qua-si-sta-tion-ary qua-si-topos qu-a-sito-pos qu-a-si-tri-an-gu-lar qua-si-tri-an-gu-lar qu-a-sitriv-ial qua-si-triv-ial quin-tes-sence quintessence quin-tes-sen-tial quintessen-tial rab-bit-ry rab-bi-try ra-dio-g-ra-phy ra-di-og-ra-phy raf-f-ish(ly) raff-ish(-ly) ramshackle ram-shackle rav-en-ous ravenous re-al-lo-cate(s,d) re-allo-cate(s,d) re-ar-range(s,d) re-arrange(s,d) re-ar-range-ment re-arrange-ment re-ciproc-i-ties rec-i-proc-i-ties reci-procity rec-i-proc-i-ty rect-an-gle rec-tan-gle rect-an-gu-lar rec-tan-gu-lar redi-rect(ion) re-di-rect(-ion) re-duc-ible re-ducible ree-cho re-echo reed-u-cate re-edu-cate ref-u-gee refugee reim-ple-ment(s,ed) re-imple-ment(s,ed) re-imple-men-ta-tion reim-ple-men-ta-tion re-nais-sance ren-ais-sance re-phrase(s,d)rephrase(s,d) repo-si-tion re-po-si-tion reprint(s,ed) re-print(s,-ed) restorable re-stor-able retrofit(ted) retro-fit(-ted) re-us-able reusable re-use reuse rewire re-wire rewrap(ped) re-wrap(ped) re-write rewrite rhi-noc-er-os rhinoceros righ-teous(ness) right-eous(-ness) ringleader ring-leader robot ro-bot ro-botic robotic rooftop roof-top roundtable round-table salesclerk sales-clerk saleswoman(en) sales-woman(en) + salient sa-lient salmonella sal-mo-nel-la salta-tion sal-ta-tion sarsaparilla sar-sa-par-il-la satel-lite sat-el-lite sauerkraut sauer-kraut sca-to-log-i-cal scat-o-log-i-cal scene-shift-er(-ing) sce-neshift(er,ing)

sched-ul-ing

schnau-zer

schiz-o-phrenic

school-child(-ren)

schedul-ing

schnauzer

schizophrenic

schoolchild(ren)

schoolteacher school-teacher scrutiny scru-ti-ny scy-thing scyth-ing sell-er seller sec-re-tariat sec-re-tar-iat sem-a-phore semaphore semester se-mes-ter semi-def-i-nite semidef-i-nite semidi-rect semi-di-rect semi-ho-mo-th-etic semi-ho-mo-thet-ic semir-ing semi-ring semisim-ple semi-sim-ple semiskilled semi-skilled semitic sem-itic sergeant ser-geant seroepi-demi-o-log-i-cal sero-epi-de-mi-o-log-i-cal ser-vome-chan-i-cal ser-vo-me-chan-i-cal ser-vomech-a-nism ser-vo-mech-a-nism ses-qui-pe-da-lian sesquipedalian setup set-up se-tups set-ups severelv se-vere-ly shap-able sha-pable sha-peable shape-able shoe-string shoestring shoplift(er,-ing) shop-lift-er(-ing) showhy-phens \show-hy-phens sidestep side-step side-swipe sideswipe sign-age sig-nage sin-glespace(d) single-space(d) single-spacing sin-glespac-ing skyscraper sky-scraper sln-uni-code sl-nuni-code smokestack smoke-stack snorke-1-ing snor-kel-ing solenoid so-le-noid so-lute(s) solute(s) sovereign sov-er-eign spaces spa-ces spe-cious specious speller spell-er spelling spell-ing spe-lunk-er spelunker spendthrift spend-thrift spheroid spher-oid spher-oid-al spheroidal sph-inges sphin-ges spi-cily spic-i-ly spinors spin-or spokesman spokes-man spokes-per-son spokesper-son spokeswoman(en) spokes-woman(en) sportscast(er) sports-cast(-er) sportively spor-tive-ly sports-wear sportswear sportswriter sports-writer sprightlier spright-lier squeamish squea-mish stand-alone stan-dalone star-tling(-ly) startling(ly) sta-tis-tics statis-tics stealthily stealth-ily steeplechase steeple-chase

stere-o-graphic stereo-graph-ic stochas-tic sto-chas-tic strange-ness strangeness strap-hanger straphanger stratagem strat-a-gem stretchier stretch-i-er strip-tease striptease strongest strong-est stronghold strong-hold stupi-der(est) stu-pid-er(-est) sub-d-if-fer-en-tial sub-dif-fer-en-tial subex-pres-sion sub-ex-pres-sion subn-ode(s) sub-node(s) sub-scrib-er sub-scriber sub-ta-bles sub-tables summable sum-ma-ble super-deri-va-tion su-perderiva-tion super-ego su-perego su-pere-gos super-egos supremacist su-prem-a-cist surgery sur-gery surg-eries sur-ge-ries surges sur-ges surveil-lance sur-veil-lance swim-ming-ly swim-m-ingly symp-tomatic symp-to-matic svn-chro-mesh syn-chromesh syn-chronous syn-chro-nous syn-chrotron syn-chro-tron taffrail taff-rail takeover take-over talk-a-tive talkative tapestry(ies) ta-pes-try(ies) tar-pau-lin tarpaulin te-leg-ra-pher tele-g-ra-pher tele-ki-net-ic telekinetic teler-obotics tele-ro-bot-ics teller tell-er tem-po-rar-ily tem-porar-ily tenure ten-ure test-bed testbed  $^+$  ter-a-n-odes tera-nodes tetra-buty-lam-mo-nium tetra-butyl-ammo-nium \text-height tex-theight textlength \text-length tex-twidth \text-width

tha-la-mus thal-a-mus ther-mo-elas-tic ther-moe-las-tic times-tamp time-stamp tool-kit toolkit to-po-graph-i-cal topo-graph-i-cal topoi-so-merase topo-iso-mer-ase toques to-ques traitorous trai-tor-ous transceiver trans-ceiver trans-par-en-cy(ies) trans-parency(ies) trans-gress transgress transver-sal(s) trans-ver-sal(s) transvestite trans-ves-tite tra-vers-a-ble traversable traver-sal(s) tra-ver-sal(s)tri-ethy-lamine tri-ethyl-amine treacheries treach-eries tribesman tribes-man

triplet trip-let + triplex(es) tri-plex(-es) trou-ba-dour troubadour tur-kev turkey turnaround turn-around typ-al ty-pal un-at-tached unattached un-err-ing-ly unerringly un-friendly(ier) un-friend-ly(i-er)  $^+$  unin-stan-ti-ated un-in-stan-ti-at-ed va-guer vaguer vaude-ville vaudeville vi-cars vic-ars vil-lai-ness vil-lain-ess vi-sual(ly) vis-ual(-ly) viviparous vi-vip-a-rous voiceprint voice-print vs-pace \vspace wadding wad-ding wall-flower wallflower warmer(est) warm-er(-est) wastew-a-ter waste-water waveg-uide wave-guide wavelet(s) wave-let(s) weapon(s,ry) weap-ons(-ry) we-b-like web-like web-log(s) we-blog(s) weeknight week-night

weight-lift-er(-ing) weightlift(er,ing) wheelchair wheel-chair whichever which-ever white-sided whitesided whites-pace white-space wide-spread widespread wingspan wing-span wingspread wing-spread witchcraft witch-craft word-spac-ing wordspac-ing work-around workaround workhorse work-horse wraparound wrap-around wretched(ly) wretch-ed(-ly) yesteryear yes-ter-year

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

+ Alexan-der Alex-an-der + Alexan-drine Alex-an-drine al-ge-brais-che al-ge-brai-sche Al-go-nquian Al-gon-quian Al-go-nquin Al-gon-quin Al-legheny Al-le-ghe-ny Apol-lodorus Apol-lo-dorus Ar-kan-sas Arkansas AT-Pase ATP-ase Au-flage Auf-lage Aus-tralasian Aus-tral-asian au-toma-tisierter auto-ma-ti-sier-ter Beb-chuk Be-bchuk Be-die-nung Be-di-enung Be-mbo Bembo

bib-li-ographis-che bi-blio-gra-phi-sche

Boston Bos-ton

Brow-n-ian Brown-ian Brunswick Bruns-wick Bu-dapest Bu-da-pest Bur-ck-hardt Burck-hardt + Caratheodory Cara-theo-dory Caribbean Car-ib-bean Charles-ton Charleston Char-lottesville Char-lottes-ville Chester Ches-ter Chi-ang Chiang Chich-ester Chich-es-ter Cohen Co-hen Co-lum-bia Columbia Czechoslo-vakia Del-a-ware Delaware Di-jk-stra Diik-stra Dor-ches-ter Dorch-ester Dor-fleit-ner Dorf-leit-ner Drechs-ler Drech-sler Du-ane Duane dy-namis-che dy-na-mi-sche Ei-jkhout Eiik-hout Engle En-gle En-gel Engel En-glish Eng-lish Eu-le-rian Euler-ian Evan-ston Evanston Febru-ary Feb-ru-ary Fest-schrift Festschrift Flor-i-da Florida Florid-ian Flor-i-d-ian

For-schungs-in-sti-tut Forschungsin-sti-tut

FreeBSD funk-t-sional Gaus-sian Gesellschaft Ghostscript GhostView Got-tfried Got-tlieb Grass-man-nian Greif-swald Grothendieck Grundlehren Hadamard Haifa Hamil-to-nian Helsinki Her-mi-tian

Hi-bbs Hoe-fler Hoek-wa-ter Hokkaido Hu-ber Im-ageMag-ick Jack-owski Jan-uary Japanese JavaScript Jun-gian Kadomt-sev

Kansas Karl-sruhe Key-ne-sian Czecho-slo-va-kia

Free-BSD funk-tsional Gauss-ian Ge-sell-schaft Ghost-script Ghost-View Gott-fried Gott-lieb Grass-mann-ian Greifs-wald Grothen-dieck Grund-leh-ren Ha-da-mard Hai-fa Hamil-ton-ian Hel-sinki

Her-mit-ian Hibbs Hoef-ler Hoek-water Hok-kai-do Huber Image-Magick Jac-kow-ski Jan-u-ary Ja-pa-nese Java-Script Jung-ian Kad-om-tsev

Kan-sas Karls-ruhe Keynes-ian

Ko-rteweg Kr-ishna Kr-ish-naism Kr-ish-nan Kro-necker Lan-caster Leg-en-dre Le-ices-ter Lip-s-chitz(ian) Lo-jban Louisiana Lu-cas Mac-Beth Ma-cOS Mag-el-lan Malay-alam Manch-ester Marko-vian Mark-to-ber-dorf Mas-sachusetts Maxwell Methodist

Method-ism Mi-crosoft Minkowski Min-neapo-lis Min-nesota Mon-treal Moscow Nachrichten Nashville Net.BSD Netscape Ni-et-zsche Ni-jmegen Noethe-rian

No-ord-wi-jk-er-hout No-towidigdo Novem-ber Ob-st-feld OpenBSD OpenOf-fice Ore-opou-los Palatino Palermo Petro-vskiĭ Pfaf-fian Philadel-phia philosophis-che Poincare

Po-ten-tial-gle-ichung

Po-tomac Pres-by-te-rian Py-ongyang Pythago-ras Pythagorean Rad-hakr-ish-nan rathskeller Raviku-mar Re-ich-lin Rie-man-nian Ry-d-berg Schim-melpfen-nig schot-tis-che

Krish-na-ism Krish-nan Kron-ecker Lan-cas-ter Le-gendre Leices-ter Lip-schitz(-ian) Loj-ban Lou-i-si-ana Lucas MacBeth Mac-OS Ma-gel-lan Ma-la-ya-lam Man-ches-ter Mar-kov-ian Markt-ober-dorf Mass-a-chu-setts Max-well Meth-od-ist Meth-od-ismMi-cro-soft Min-kow-ski

Min-ne-ap-o-lis

Min-ne-sota

Kor-te-weg

Krishna

Mont-real Mos-cow Nach-rich-ten Nash-ville Net-BSD Net-scape Nietz-sche Nij-me-gen Noe-ther-ian Noord-wijker-hout Noto-wi-digdo No-vem-ber Obst-feld Open-BSD Open-Office Oreo-pou-los Pala-tino Pa-ler-mo Pe-trov-skiĭ Pfaff-ian Phil-a-del-phia phi-lo-so-phi-sche Poin-care Po-ten-tial-glei-chung

Po-to-mac Pres-by-terian Pyong-yang Py-thag-o-ras Py-thag-o-re-an Ra-dha-krish-nan raths-kel-ler Ravi-kumar Reich-lin Rie-mann-ian Rvd-berg

Schim-mel-pfen-nig schot-ti-sche

Schro-din-ger Schrodinger Schwabacher Schwa-ba-cher Schwarz-schild  ${\tt Schwarzschild}$ Schwei-d-nitz Schweid-nitz Schw-ert Schwert Septem-ber Sep-tem-ber Shored-itch Shore-ditch Sk-oupý Skoupý Stokes-sche Stokess-che Stuttgart Stutt-gart Susque-hanna Sus-que-han-na Tau-ber-ian Taube-rian tech-ni-sche tech-nis-che Ten-nes-see Ten-nessee

Thiru-vanan-da-pu-ram Thiruv-ananda-puram

Tolch-ester Tol-ches-ter
Tomaszewski To-ma-szew-ski

Toy-ota Toyo-ta

 $\begin{array}{lll} \mbox{ty-po-graphique} & \mbox{ty-po-graphique} \\ \mbox{Ukrainian} & \mbox{Ukrain-ian} \\ \mbox{ve-r-all-ge-mein-erte} & \mbox{ver-all-ge-mei-nerte} \end{array}$ 

 ver-all-ge-mein-erte
 ver-all-ge-mei-ner

 Vere-ini-gung
 Ver-ei-ni-gung

 Verteilun-gen
 Vid-ias-sov

 Vi-eth
 Vieth

 vi-i-ith
 viiith

 vi-ith
 viith

 Wahrschein-lichkeit-s-the-o-rie

Wahr-schein-lich-keits-theo-rie

Wein-stein We-in-stein Werkzeuge Werk-zeuge Werner Wer-ner Werthe-rian Wer-ther-ian WilliamWill-iam(s) Winch-ester Win-ches-ter Wirtschaft Wirt-schaft wis-senschaftlich wis-sen-schaft-lich

Wolf-fian Wolff-ian
xvi-i-ith xviith
xvi-i-ith xviith
xxi-i-ird xxiiird
xxi-ind xxiind

Yingy-ong Shuxue Jisuan Ying-yong Shu-xue Ji-suan

 $\begin{array}{ll} \hbox{\tt Zea-land} & \hbox{\tt Zea-land} \\ \hbox{\tt Zeitschrift} & \hbox{\tt Zeit-schrift} \end{array}$ 

♦ Barbara Beeton

http://ctan.org/pkg/hyphenex tugboat (at) tug dot org