# owL package a.k.a. 'Observe Words Leprechaunically' package 

or

## Some Mammoth English Wordlist Related Thoughts



Who (take heed: not what animal) sees-and-seeks-and-seizes better in the darkness than the owls?
Okay, since my English is forever broken I need an assistant/sidekick, here a simple C written console tool powered by 20 wordlists.
For example I need to explore the valid variants (all derivatives) of word 'leprechaun', in order to obtain even the unused (yet, or rather until this very analysis) derivatives I will compare/derive them with/from similar words.
The need for such a dig was driven when I was unable to say 'as fast as a leprechaun would do' that is 'leprechaunically/leprechaunishly fast' similar to diabolically/devilishly fast.
In case of not knowing leprechaun is a [forest] $d$ [a]emon, the thing that I do not know is whether it has plural and gender i.e. whether 'leprechauns' and 'leprechauness' exist.
The well known fact is (see 'demon' noun, definition 3) that demons are [unreally] fast, hence the stable phrase 'demonically fast'.
After analyzing all forms of *\%devi1*, *\%demon*, *\%daemon* (for all wildcards help see further below) and those given in my favorite dictionary HERITAGE I think these are valid words (though unknown up to this time):

As you can see further below *\%leprechaun* yielded one poor list (out of 20,761,385 distinct words distributed in 20 wordlists/corpora):
leprechaun
leprechauns
leprechaunism
leprechaunish
leprechaunlike
Not well at all, so the enrichment cries for its own arrival, let see how many additional derivatives I can reveal (please feel to contact me at sanmayce@sanmayce.com if you find more):
leprechaunic similar to diabolic/demonic
leprechaunical similar to diabolical
leprechaunicalness similar to diabolicalness
leprechaunically similar to diabolically
leprechaunishly similar to devilishly
leprechaunishness similar to devilishness
leprechaunment similar to devilment
leprechaunments similar to devilments (not mentioned in HERITAGE but with 3 occurrences in 3 corpora)
leprechauntry similar to deviltry
leprechaunry similar to devilry
leprechauntries similar to deviltries
leprechaunries similar to devilries
leprechaunerie similar to diablerie (my favorite by far)
leprechaunize similar to demonize
leprechaunized similar to demonized
leprechaunizing similar to demonizing
leprechaunizes similar to demonizes
leprechaunization similar to demonization
leprechaunolatry similar to demonolatry
leprechaunonology similar to demonology
leprechaunologic similar to demonologic
leprechaunological similar to demonological
leprechaunologist similar to demonologist
leprechaunologists similar to demonologists (not mentioned in HERITAGE but with 4 occurrences in 4 corpora)
leprechaunophile similar to xenophile
leprechaunophilia similar to xenophilia
leprechaunophilous similar to xenophilous
leprechaunophobe similar to xenophobe
leprechaunophobia similar to xenophobia
leprechaunophobic similar to xenophobic
leprechauness similar to demoness (not mentioned in HERITAGE but with 5 occurrences in 5 corpora, I tend to believe that this creature is more enigmatic than the unicorn)
leprechaunesses similar to demonesses (not mentioned in HERITAGE but with 4 occurrences in 4 corpora, funny even the Smurfette was one-of-a-kind i.e. there were no other smurfesses, but who knows)

One quick conclusion is that those $20,761,385$ distinct words weight little when it comes to having a paragon English wordlist, simply the contexts were poor. According to the following 'answer' they are some 750,000 , in my view (counting all major puns/wordplays/derivatives) thrice as many or numberly $2,000,000$ words:

How many words are there in the English language?
There is no single sensible answer to this question. It is impossible to count the number of words in a language, because it is so hard to decide what counts as a word. Is dog one word, or two (a noun meaning 'a kind of animal', and a verb meaning 'to follow persistently')? If we count it as two, then do we count inflections separately too (dogs plural noun, dogs present tense of the verb). Is dog-tired a word, or just two other words joined together? Is hot dog really two words, since we might also find hotdog or even hotdog?

It is also difficult to decide what counts as 'English'. What about medical and scientific terms? Latin words used in law, French words used in cooking, German words used in academic writing, Japanese words used in martial arts? Do you count Scots dialect? Youth slang? Computing jargon?

The Second Edition of the 0xford English Dictionary contains full entries for 171,476 words in current use, and 47,156 obsolete words. To this may be added around 9,500 derivative words included as subentries. Over half of these words are nouns, about a quarter adjectives, and about a seventh verbs; the rest is made up of interjections, conjunctions, prepositions, suffixes, etc. These figures take no account of entries with senses for different parts of speech (such as noun and adjective).

This suggests that there are, at the very least, a quarter of a million distinct English words, excluding inflections, and words from technical and regional vocabulary not covered by the OED, or words not yet added to the published dictionary, of which perhaps 20 per cent are no longer in current use. If distinct senses were counted, the total would probably approach three quarters of a million.

Sources: http://askville.amazon.com; www.askoxford.com
Search for *\%leprechaun* gave:
0,000,013 leprechaun
0,000,004 leprechauns
0,000,003 leprechaunism
0,000,003 leprechaunish
0,000,002 leprechaunlike
0,000,001 leprechauntwo
0,000,001 leprechaunthree
0,000,001 leprechaunrharrington
0,000,001 leprechaunposter
0,000,001 leprechaunorigins
0,000,001 leprechauno
0,000,001 leprechaunmuseum
$\frac{\text { Search for *\%devi1* gave: }}{0,000,019 \quad \text { devi1 }}$

| $0,000,016$ | devilish |
| :--- | :--- |
| $0,000,015$ | devils |
| $0,000,014$ | devilishly |
| $0,000,013$ | devilry |
| $0,000,012$ | deviltry |
| $0,000,011$ | devilment |
| $0,000,011$ | devilishness |
| $0,000,009$ | devilled |
| $0,000,009$ | devilkin |
| $0,000,008$ | deviling |
| $0,000,008$ | devilfish |
| $0,000,008$ | deviled |
| $0,000,006$ | devilwood |
| $0,000,006$ | devildom |
| $0,000,005$ | deviltries |
| $0,000,005$ | devilship |
| $0,000,005$ | devilries |
| $0,000,005$ | deviling |
| $0,000,005$ | devilize |
| $0,000,005$ | devilism |
| $0,000,005$ | devilfishes |
| $0,000,004$ | devily |
| $0,000,004$ | devilman |
| $0,000,004$ | devillo |
| $0,000,004$ | devillier |
| $0,000,004$ | deville |
| $0,000,004$ | devili |
| $0,000,004$ | devilkins |
| $0,000,004$ | devilhood |
| $0,000,004$ | devilet |
| $0,000,004$ | deviless |
| $0,000,004$ | devilbiss |
| $0,000,003$ | devilz |
| $0,000,003$ | devilworship |
| $0,000,003$ | devilward |
| $0,000,003$ | devilstone |
| $0,000,003$ | devilskin |
| $0,000,003$ | devilsdust |
| $0,000,003$ | devilsbit |
| $0,000,003$ | devilrays |
| $0,000,003$ | devilments |
| $0,000,003$ | devilmay |
| $0,000,003$ | devi17y |
| 0,0 |  |

Search for *\%demon* gave:

| $0,000,019$ | demonstration |
| :--- | :--- |
| $0,000,019$ | demonstrate |
| $0,000,019$ | demon |
| $0,000,016$ | demonstrated |
| $0,000,015$ | demonstrative |
| $0,000,015$ | demonstrations |
| $0,000,015$ | demonstrates |
| $0,000,015$ | demons |
| $0,000,014$ | demonstrators |
| $0,000,014$ | demonstrator |
| $0,000,014$ | demonstrating |
| $0,000,014$ | demonic |
| $0,000,013$ | demonstrably |
| $0,000,012$ | demonstrable |
| $0,000,012$ | demoniac |
| $0,000,010$ | demonology |
| $0,000,010$ | demoniacal |
| $0,000,010$ | demonetize |
| $0,000,009$ | demonstrativeness |
| $0,000,009$ | demonologist |
| $0,000,009$ | demonolatry |
| $0,000,009$ | demonize |
| $0,000,008$ | demonstratively |
| $0,000,008$ | demonism |
| $0,000,008$ | demonetization |
| $0,000,007$ | demonstrational |
| $0,000,007$ | demonically |
| $0,000,007$ | demoniacally |
| $0,000,006$ | demonstrandum |
| $0,000,006$ | demonstrableness |
| $0,000,006$ | demonstrability |
| $0,000,006$ | demonry |
| $0,000,006$ | demonography |


| 0,000,006 | demonized |
| :---: | :---: |
| 0,000,006 | demonist |
| 0,000,006 | demonish |
| 0,000,006 | demonical |
| 0,000,006 | demonian |
| 0,000,005 | demonstratus |
| 0,000,005 | demonstratory |
| 0,000,005 | demonstratorship |
| 0,000,005 | demonstratives |
| 0,000,005 | demonstratable |
| 0,000,005 | demonstrare |
| 0,000,005 | demonstrant |
| 0,000,005 | demonstrance |
| 0,000,005 | demonstr |
| 0,000,005 | demonophobia |
| 0,000,005 | demonomania |
| 0,000,005 | demonomancy |
| 0,000,005 | demonological |
| 0,000,005 | demonologic |
| 0,000,005 | demonolater |
| 0,000,005 | demono |
| 0,000,005 | demonlike |
| 0,000,005 | demonkind |
| 0,000,005 | demonizing |
| 0,000,005 | demonizes |
| 0,000,005 | demonization |
| 0,000,005 | demonise |
| 0,000,005 | demonianism |
| 0,000,005 | demonetise |
| 0,000,005 | demoness |
| 0,000,004 | demonte |
| 0,000,004 | demont |
| 0,000,004 | demonstrer |
| 0,000,004 | demonstrativus |
| 0,000,004 | demonstrationist |
| 0,000,004 | demonstratio |
| 0,000,004 | demonstrater |
| 0,000,004 | demonstratedly |
| 0,000,004 | demonstrat |
| 0,000,004 | demonstracion |
| 0,000,004 | demonstra |
| 0,000,004 | demonopolize |
| 0,000,004 | demonopolise |
| 0,000,004 | demonomanie |
| 0,000,004 | demonologists |
| 0,000,004 | demonologies |
| 0,000,004 | demonologer |
| 0,000,004 | demonocracy |
| 0,000,004 | demonland |
| 0,000,004 | demonitized |
| 0,000,004 | demonisms |
| 0,000,004 | demonising |
| 0,000,004 | demonises |
| 0,000,004 | demonised |
| 0,000,004 | demonio |
| 0,000,004 | demoninations |
| 0,000,004 | demonial |
| 0,000,004 | demoniacs |
|  |  |
| Search for | non* gave: |
| 0,000,010 | daemon |
| 0,000,007 | daemonic |
| 0,000,006 | daemonology |
| 0,000,005 | daemons |
| 0,000,005 | daemonorops |
| 0,000,005 | daemonium |
| 0,000,005 | daemoniacus |
| 0,000,004 | daemonian |
| 0,000,004 | daemones |
| 0,000,004 | daemonelix |
| 0,000,003 | daemonum |
| 0,000,003 | daemontools |
| 0,000,003 | daemonomania |
| 0,000,003 | daemonologie |
| 0,000,003 | daemonologia |
| 0,000,003 | daemonolatria |
| 0,000,003 | daemonolatreia |
| 0,000,003 | daemonizing |


| $0,000,003$ | daemonized |
| :--- | :--- |
| $0,000,003$ | daemonize |
| $0,000,003$ | daemonization |
| $0,000,003$ | daemonistic |
| $0,000,003$ | daemonism |
| $0,00,003$ | daemonis |
| $0,000,003$ | daemoniorum |
| $0,000,003$ | daemonion |
| $0,000,003$ | daemonio |
| $0,000,003$ | daemonicus |
| $0,000,003$ | daemonically |
| $0,000,003$ | daemonical |
| $0,000,003$ | daemonica |
| $0,00,003$ | daemonibus |
| $0,000,003$ | daemonialitate |
| $0,000,003$ | daemoniacum |
| $0,000,003$ | daemoniacs |
| $0,000,003$ | daemoniac |
| $0,000,003$ | daemonia |
| $0,000,003$ | daemonen |
| $0,000,003$ | daemone |
| $0,000,003$ | daemonas |
| $0,000,003$ | daemona |
| $0,000,002$ | daemony |
| $0,000,002$ | daemonurgy |
| $0,000,002$ | daemonurgist |
| $0,000,002$ | daemonumque |
| $0,000,002$ | daemonpage |
| $0,000,002$ | daemonorum |
| $0,000,002$ | daemonological |
| $0,000,002$ | daemonolatriae |
| $0,000,002$ | daemonolatreiae |

## leprechaun

n.

One of a race of elves in Irish folklore who can reveal hidden treasure to those who catch them.
[Irish Gaelic luprachán, alteration of Middle Irish luchrupán, from old Irish luchorpán : luchorp ( lú-, small; see legwh- in IndoEuropean roots + corp, body from Latin corpus; see kwrep- in Indo-European roots) + -án, diminutive suff.]
leprechaunish adj.
Word History: Nothing seems more Irish than the leprechaun; yet hiding within the word leprechaun is a word from another language entirely. If we look back beyond Modern Irish Gaelic luprachán and Middle Irish luchrupán to Old Irish luchorpán, we can see the connection. Luchorpán is a compound of old Irish lú, meaning "smal1," and the 07d Irish word corp, "body." Corp is borrowed from Latin corpus (which we know from habeas corpus). Here is a piece of evidence attesting to the deep influence of church Latin on the Irish language. Although the word is old in Irish it is fairly new in English, being first recorded in 1604.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## demoniac also demoniacal

adj.

1. Possessed, produced, or influenced by a demon: demoniac creatures.
2. Of, resembling, or suggestive of a devi1; fiendish: demoniac energy; a demoniacal fit.
n.

One who is or seems to be possessed by a demon.
[middle English demoniak, from Late Latin daemoniacus, from Greek *daimoniakos, from daimonios, of a spirit, from daimōn, divine power ; see demon.]
demoniacally adv.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## daemon

n.

1. Chiefly British Variant of demon.
2. Variant of daimon.
3. Computer Science A program or process that sits idly in the background until it is invoked to perform its task.
demon
4. An evil supernatural being; a devil.
5. A persistently tormenting person, force, or passion: the demon of drug addiction.
6. One who is extremely zealous, skillful, or diligent: worked away like a demon; a real demon at math.
7. Variant of daimon.
[middle English, from Late Latin daemōn, from Latin, spirit, from Greek daimōn, divine power; see dā- in Indo-European roots.]
/The American Heritage Dictionary of the English Language, Fourth Edition/

## demonize

tr.v. demonized, demonizing, demonizes

1. To turn into or as if into a demon.
2. To possess by or as if by a demon.
3. To represent as evil or diabolic: wartime propaganda that demonizes the enemy.
demonization $n$.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## demonolatry

n.

Worship of demons.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## demonology

n.

1. The study of demons.
2. Belief in or worship of demons.
3. A list or catalog of one's enemies: "As the years passed [the magazine's] demonology expanded to include Bolsheviks, radicals, Franklin D. Roosevelt, the New Deal, Government work programs or aid programs of any kind" (Maggie Nichols).
demonologic or demonological adj.
demonologist $n$.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## daemonic

adj:
Variant of demonic.
demonic also daemonic
adj.

1. Befitting a demon; fiendish.
2. Motivated by a spiritual force or genius; inspired.
demonically adv.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## diabolical also diabolic

adj.

1. Of, concerning, or characteristic of the devil; satanic.
2. Appropriate to a devil, especially in degree of wickedness or cruelty.
[From Middle English deabolik, from 07d French diabolique, from Late Latin diabolicus, from Latin diabolus, devil ; see devil.]
diabolically adv.
diabolicalness $n$.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## diabolism

1. Dealings with or worship of the devil or demons; sorcery.
2. Devilish conduct or character.
diabolist $n$.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## diabolize

tr.v. diabolized, diabolizing, diabolizes

1. To cause to be devilish or diabolical.
2. To represent as diabolical.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## diablerie

n.

1. Sorcery; witchcraft.
2. Representation of devils or demons, as in paintings or fiction.
3. Devilish conduct; deviltry.
[French, from 0ld French, from diable, devil, from Latin diabolus ; see devi1.]
/The American Heritage Dictionary of the English Language, Fourth Edition/

## devilry

n.

Variant of deviltry.
deviltry or devilry
n. pl. deviltries or devilries

1. Reckless mischief.
2. Extreme cruelty; wickedness.
3. Evil magic; witchcraft.
4. An act of mischief, cruelty, or witchcraft.
[Alteration (influenced by such words as gallantry), of devilry.]
/The American Heritage Dictionary of the English Language, Fourth Edition/

## devilment

n.

Devilish behavior; mischief.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## devilish

adj.

1. Of, resembling, or characteristic of a devi1, as:
a. Malicious; evil.
b. Mischievous, teasing, or annoying.
2. Excessive; extreme: devilish heat.
adv.
Extremely; very.
devilishly adv.
devilishness n.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## xeno- or xen-

pref.

1. Stranger; foreigner: xenophobia.
2. Strange; foreign; different: xenolith.
[New Latin, from Greek, from xenos, stranger; see ghos-ti- in Indo-European roots.]
/The American Heritage Dictionary of the English Language, Fourth Edition/

## xenophile

n.

A person attracted to that which is foreign, especially to foreign peoples, manners, or cultures.
xenophilia $n$.
xenophilous adj.

## xenophobe

n.

A person unduly fearful or contemptuous of that which is foreign, especially of strangers or foreign peoples.
xenophobia $n$.
xenophobic adj.
/The American Heritage Dictionary of the English Language, Fourth Edition/

## lioness

n.
a female lion.
/The American Heritage Dictionary of the English Language, Fourth Edition/ Note: 'lionesses' is given when *esses is typed in main entry search field.

## Quick FAQ:

Q: What is that all about?
A: The goal is to create your own wordlist out from 20 (currently) wordlists by giving some occurrences threshold i.e. how many (at least) times a given word should occur in all wordlists, thus greater the threshold-number greater the chance these words to be meaningful.

Q: What wordlists are used?
A: The next 20 files:
$00,019,859$ distinct words in Dictionary of American Idioms and Phrasal Verbs.pdf.wrd.sorted
00,023,128 distinct words in Dictionary of Contemporary Slang.pdf.wrd.sorted
00,024,435 distinct words in OXFORD Collocations Dictionary.wrd. sorted
00,029,733 distinct words in The Oxford Dictionary of Slang.wrd.sorted
00,034,773 distinct words in Websters-Dictionary-of-English-Usage.pdf. wrd. sorted
00,038,676 distinct words in Webster's New Dictionary of Synonyms (1984). pdf.wrd. sorted
$00,038,917$ distinct words in dictionary of historical slang.pdf.wrd.sorted
00,038, 936 distinct words in The Oxford Thesaurus, An A-Z Dictionary of Synonyms.wrd. sorted
00,043,749 distinct words in Longman Dictionary of American English, Special Edition.pdf.wrd.sorted
00,044,668 distinct words in The Routledge Dictionary of Modern American Slang.pdf.wrd.sorted
00,065,316 distinct words in mthesaur.wrd. sorted
00,074,993 distinct words in RHW_mpron.wrd. sorted
00,075, 801 distinct words in Dictionary of American English.pdf.wrd. sorted
00,087,466 distinct words in EuroDict XP 3.0 _ MacroMagic41r_r02_DOS.wrd. sorted
00,174,978 distinct words in HERITAGE.wrd.sorted
00, 260,733 distinct words in SOED.wrd. sorted
00,514,105 distinct words in WORDLIST_Source_18_various_wordlists.wrd. sorted
04,434,936 distinct words in googlebooks-eng-a11-1gram-20090715.wrd. sorted
09,181,275 distinct words in _Gamera_r15.wrd. sorted
12,475,645 distinct words in enwiki-20120403-pages-articles.wrd. sorted

| 000,182,603 bytes Dictionary of American Idioms and Phrasal Verbs.pdf.wrd.sorted |
| :---: |
| 000,215,579 bytes Dictionary of Contemporary Slang.pdf.wrd.sorted |
| 000,233,582 bytes OXFORD Collocations Dictionary.wrd.sorted |
| 000,268,457 bytes The Oxford Dictionary of Slang.wrd.sorted |
| 000,333,541 bytes Websters-Dictionary-of-English-Usage.pdf.wrd.sorted |
| 000,355,146 bytes dictionary of historical slang.pdf.wrd.sorted |
| 000,384,499 bytes Webster's New Dictionary of Synonyms (1984).pdf.wrd.sorted |
| 000,388,308 bytes The Oxford Thesaurus, An A-Z Dictionary of Synonyms.wrd.sorted |
| 000,398,554 bytes Longman Dictionary of American English, Special Edition.pdf.wrd.sorted |
| 000,411,462 bytes The Routledge Dictionary of Modern American Slang.pdf.wrd.sorted |
| 000,695,541 bytes mthesaur.wrd.sorted |
| 000,720,733 bytes Dictionary of American English.pdf.wrd.sorted |
| 000,740,179 bytes RHW_mpron.wrd.sorted |
| 000,889,414 bytes EuroDict XP 3.0 _ MacroMagic41r_r02_DOS.wrd.sorted |
| 001,779,419 bytes HERITAGE.wrd.sorted |
| 002,651,685 bytes SOED.wrd.sorted |
| 005,645,902 bytes WORDLIST_source_18_various_wordlists.wrd.sorted |
| 046,515,064 bytes googlebooks-eng-a11-1gram-20090715.wrd.sorted |
| 115,494,856 bytes _Gamera_r15.wrd.sorted |
| 146,465,487 bytes enwiki-20120403-pages-articles.wrd.sorted |
| Q: What else can I do except cross-referencing i.e. clashing wordlists? |
| A: Queries like (note the numbers and their order, they play the role of a rank): |

E:\_KAZE_huge_mix_of_1-grams>copy con graffith.ini
"exhaust*
$\wedge Z$
1 file(s) copied.
E: \_KAZE_huge_mix_of_1-grams>"GRAFFITH_r2+t_Graphein_2.3.0_Inte1_12.1_32bit.exe" \#
Graffith(graphite), Text decompressor-finder-dumper, r.02++_Graphein, written by Kaze.

Graffith is a wrapper over bsc version 2.3.0, written by Ilya Grebnov.
Size of GRAFFITH.1st: 46
Size of GRAFFITH.ini: 11
Allocating memory 1536 MB OK
Remaining files to decompress: 1
Decompressing '_KAZE_huge_mix_of_1-grams.occ-wrd.sorted.bsc' ...
~ Overall decompression performance: $26.61 \mathrm{MB} / \mathrm{s}$ so far
Single-line-searching with Blunderbuss for '*exhaust*'
~ Overal1 Blunderbuss search performance: $50.01 \mathrm{MB} / \mathrm{s}$ so far
~ Blunderbuss current/total hits: 530/530
GRAFFITH: Total Blunderbuss(wildcard) hits: 530
GRAFFITH: Done.
E:\_KAZE_huge_mix_of_1-grams>type GRAFFITH.log
0,000,020 exhaustion
0,000,020 exhaust
$0,000,019$ exhausting
0,000,019 exhausted
0,000,016 exhaustive
0,000,015 inexhaustible
0,000,014 exhaustively
0,000,010 exhausts
0,000,009 inexhaustibly
0,000,009 exhaustless
0,000,009 exhaustiveness
0,000,008 inexhaustibleness
0,000,008 inexhaustibility
0,000,008 exhaustible
0,000,008 exhaustibility
0,000,008 exhauster
0,000,006 unexhausted
0,000,006 exhaustlessness
0,000,006 exhaustingly
0,000,006 exhaustedly
$0,000,005 \quad$ unexhaustible
$0,000,005 \quad$ inexhaustively
$0,000,005 \quad$ inexhaustive
0,000,005 inexhausted
$0,000,005$ exhaustus
$0,000,005$ exhaustivity
$0,000,005$ exhaustions
0,000,005 exhausti
0,000,005 exhaustedness
$0,000,004 \quad$ unexhaustive
$0,000,004$ unexhaustedly
0,000,004 overexhausted
0,000,004 overexhaust
$0,000,004$ nonexhaustive
$0,000,004$ nonexhaustible
0,000,004 nonexhausted
0,000,004 inexhausti
0,000,004 exhausture
0,000,004 exhaustlessly
0,000,004 exhausters
0,000,004 exhaustable
0,000,003 unexhaustable
0,000,003 preexhaustion

0,000,003 overexhaustion
$0,000,003 \quad$ overexhausting
$0,000,003 \quad$ nonexhaustiveness
0,000,003 nonexhaustively
0,000,003 inexhaustum
0,000,003 inexhaustless
0,000,003 inexhaustable
0,000,003 inexhaust
0,000,003 exhaustment
.
Q: What tools and data form the core of OWL package?
A: GRAFFITH \& Leprechaun_x-7eton, first being a wrapper around BSC archiver (the best text smasher around), the second being a word ripper. Both tools are extremely fast and powerful:

| 05/18/2012 | $04: 33 \mathrm{AM}$ | 598,528 |
| :--- | :--- | :---: |
| GRAFFITH_r2++_Graphein_2.3.0_Inte1_12.1_32bit.exe |  |  |
| $05 / 18 / 2012$ | $04: 33 \mathrm{AM}$ | 103,936 |
| Leprechaun_x-1eton_32bit_singleton_2passes.exe |  |  |
| $05 / 18 / 2012$ | $04: 33 \mathrm{AM}$ | $73,289,362$ _KAZE_huge_mix_of_1-grams.occ-wrd.sorted.bsc |

Q: How do I get the uncompressed data i.e. the original corpus?
A: Execute: GRAFFITH_r2++_Graphein_2.3.0_Intel_12.1_32bit.exe d _KAZE_huge_mix_of_1-grams.occ-wrd.sorted.bsc _KAZE_huge_mix_of_1-grams.occ-wrd.sorted

Then you get:

Q: What does it look like to make the derivatives?
A: Just run MAKE_derivatives_from_20_wordlists.bat batch file.
Q: How do I do queries?
A: Just run OWL.bat batch file, either from command prompt or via shortcut (OWL.7nk), an example follows:
E: \_KAZE_OWL-package_huge_mix_of_1-grams>ow1
Example1:
look_down_on_us
look_down_\$\$\$_us@
F6, Enter
Example2:
*_look_down_*
look^^^_down_*
F6, Enter
Note1: If you are not going to use wildcards at all then the pattern must be equal to the whole(not partial match) line.
Note2: Seven wildcards are available:
wildcard '*' any character(s) or empty, wildcard '@'/'\#' any character \{or empty\}/\{and not empty\}, wildcard ' $\wedge$ '/'\$' any ALPHA character \{or empty\}/\{and not empty\}, wildcard '|'/' $\%$ ' any NON-ALPHA character \{or empty\}/\{and not empty\}.
Note3: Due to different line endings(CRLF in Windows; LF in UNIX)
you must add a '|' wildcard in place of CR:
for example in case of searching for '*.pdf' write '*.pdf|', our files
need the '|' wildcard they are in Windows format.
Note4: In Example1 '\$\$\$' allows 'onto' or 'upon' to emerge.
Note5: In Example2 'мヘ^' allows 's' or 'ed' or 'ing' to emerge.
Note6: Press Ctrl+C to cancel further processing, GRAFFITH. $\log$ holds the dumped hits up to the cancelation.
Note7: Where LQS are PREfixed by $\backslash t$ (TAB char) and POSTfixed by \r\n (CRLF chars), the format of LQS is as following:
0,000,002\ta_a_a_associative
0,000,001\ta_a_a_assuming
0,000,003\ta_a_a_asthma
0,000,001\ta_a_a_astronomy
Enter your pattern(s) one at a line, to start searching press 'F6' release and then 'Enter':
*\%diaeresis|
*\%dieresis|
$\wedge Z$
Graffith(graphite), Text decompressor-finder-dumper, r.02++_Graphein, written by Kaze.
Graffith is a wrapper over bsc version 2.3.0, written by Ilya Grebnov.
Size of GRAFFITH.1st: 46
Size of GRAFFITH.ini: 27
Allocating memory 1536 MB ... OK
Remaining files to decompress: 1
Decompressing '_KAZE_huge_mix_of_1-grams.occ-wrd.sorted.bsc' ...
~ Overall decompression performance: $25.16 \mathrm{MB} / \mathrm{s}$ so far
Single-line-searching with Blunderbuss for '*\%diaeresis|' ...
~ Overall Blunderbuss search performance: $48.29 \mathrm{MB} / \mathrm{s}$ so far
~ Blunderbuss current/total hits: 1/1
Single-line-searching with Blunderbuss for '*\%dieresis|' ...
~ Overall Blunderbuss search performance: $48.38 \mathrm{MB} / \mathrm{s}$ so far
~ Blunderbuss current/total hits: 1/2
GRAFFITH: Total Blunderbuss(wildcard) hits: 2
GRAFFITH: Done.
E: \_KAZE_OWL-package_huge_mix_of_1-grams>type GRAFFITH.log
0,000,011 diaeresis
0,000,009 dieresis
E:\_KAZE_OWL-package_huge_mix_of_1-grams>

## Longest word in English

From Wikipedia, the free encyclopedia
The identity of the longest word in English depends upon the definition of what constitutes a word in the English language, as well as how length should be compared. In addition to words derived naturally from the language's roots (without any known intentional invention), English allows new words to be formed by coinage and construction; place names may be considered words; technical terms may be arbitrarily long. Length may be understood in terms of orthography and number of written letters, or (less commonly) phonology and the number of phonemes.

|  | Letters | Characteristics | Dispute |
| :--- | :--- | :--- | :--- | :--- |
| Methionylthreonylthreonylglutaminylarginyl....isoleucine | 189,819 | Chemical name of titin, the largest <br> known protein | Technical; not in <br> dictionary; disputed <br> whether it is a word |
| Methionylglutaminylarginyltyrosylglutamyl...serine | 1,909 | Longest published word ${ }^{[1]}$ | Technical |

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## Major dictionaries

The longest word in any of the major English language dictionaries is pneumonoultramicroscopicsilicovolcanoconiosis, a word that refers to a lung disease contracted from the inhalation of very fine silica particles, ${ }^{[7]}$ specifically from a volcano; medically, it is the same as silicosis. The word was deliberately coined to be the longest word in English, and has since been used in a close approximation of its originally intended meaning, lending at least some degree of validity to its claim. ${ }^{[4]}$

The Oxford English Dictionary contains pseudopseudohypoparathyroidism (30 letters).
The longest non-technical word in major dictionaries is floccinaucinihilipilification at 29 letters. Consisting of a series of Latin words
meaning "nothing" and defined as "the act of estimating something as worthless"; its usage has been recorded as far back as 1741. ${ }^{[8]}$ [9][10][11]

## Coinages

In his play Assemblywomen (Ecclesiazousae), the ancient Greek comedic playwright Aristophanes created a word of 171 letters (183 in the transliteration below), which describes a dish by stringing together its ingredients:

Lopadotemakhoselakhogaleokranioleipsanodrimypotrimmatosilphiokarabomelitokatakekhymenokikhlepikossyphophattoperisteralektryonoptokephalliokigklopeleiolagōiosiraiobaphētraganopterýgōn.

Henry Carey's farce Chrononhotonthologos (1743) holds the opening line: "Aldiborontiphoscophornio! Where left you Chrononhotonthologos?"

James Joyce made up nine 101-letter words in his novel Finnegans Wake, the most famous of which is Bababadalgharaghtakamminarronnkonnbronntonnerronntuonnthunntrovarrhounawnskawntoohoohoordenenthurnuk. Appearing on the first page, it allegedly represents the symbolic thunderclap associated with the fall of Adam and Eve. As it appears nowhere else except in reference to this passage, it is generally not accepted as a real word. Sylvia Plath made mention of it in her semi-autobiographical novel The Bell Jar, when the protagonist was reading Finnegans Wake.
"Supercalifragilisticexpialidocious", the 34-letter title of a song from the movie Mary Poppins, does appear in several dictionaries, but only as a proper noun defined in reference to the song title. The attributed meaning is "a word that you say when you don't know what to say." The idea and invention of the word is credited to songwriters Robert and Richard Sherman.

## Advertising coinages

In 1973, Pepsi's advertising agency Boase Massimi Pollitt used a 100-letter but several-word term
"Lipsmackinthirstquenchinacetastinmotivatingoodbuzzincooltalkinhighwalkinfastlivinevergivincoolfizzin" (read: Lip smackin' thirst quenchin' ace tastin' motivatin' good buzzin' cool talkin' high walkin' fast livin' ever givin' cool fizzin') in TV and film advertising. ${ }^{[12]}$

In 1975, the 71-letter (but several-word) advertising jingle Twoallbeefpattiesspecialsaucelettucecheesepicklesonionsonasesameseedbun (read: two all-beef patties, special sauce, lettuce, cheese, pickles, onions on a sesame seed bun) was first used in a McDonald's Restaurant advertisement to describe the Big Mac sandwich. ${ }^{[13]}$

## Constructions

The English language permits the legitimate extension of existing words to serve new purposes by the addition of prefixes and suffixes. This is sometimes referred to as agglutinative construction. This process can create arbitrarily long words: for example, the prefixes pseudo (false, spurious) and anti (against, opposed to) can be added as many times as desired. A word like anti-aircraft (pertaining to the defense against aircraft) is easily extended to anti-anti-aircraft (pertaining to counteracting the defense against aircraft, a legitimate concept) and can from there be prefixed with an endless stream of "anti-"s, each time creating a new level of counteraction. More familiarly, the addition of numerous "great"s to a relative, e.g. great-great-great-grandfather, can produce words of arbitrary length.
"Antidisestablishmentarianism" is the longest common example of a word formed by agglutinative construction, as follows (the numbers succeeding the word refer to the number of letters in the word):
establish (9)
to set up, put in place, or institute (originally from the Latin stare, to stand)
dis-establish (12)
to end the established status of a body, in particular a church, given such status by law, such as the Church of England disestablish-ment (16)
the separation of church and state (specifically in this context it is the political movement of the 1860 s in Britain)
anti-disestablishment (20)
opposition to disestablishment
antidisestablishment-ary (23)
of or pertaining to opposition to disestablishment
antidisestablishmentari-an (25)
an opponent of disestablishment
antidisestablishmentarian-ism (28)
the movement or ideology that opposes disestablishment

## Technical terms

A number of scientific naming schemes can be used to generate arbitrarily long words.
Gammaracanthuskytodermogammarus loricatobaicalensis is sometimes cited as the longest binomial name-it is a kind of amphipod. However, this name, proposed by B. Dybowski, was invalidated by the International Code of Zoological Nomenclature.

Parastratiosphecomyia stratiosphecomyioides is the longest accepted binomial name. It's a species of soldier fly ${ }^{[14]}$
Aequeosalinocalcalinoceraceoaluminosocupreovitriolic, at 52 letters, describing the spa waters at Bath, England, is attributed to Dr. Edward Strother (1675-1737). ${ }^{[15]}$ The word is composed of the following elements:

- Aequeo: equal (Latin, aequo ${ }^{[16]}$ )
- Salino: containing salt (Latin, salinus)
- Calcalino: calcium (Latin, calx)
- Ceraceo: waxy (Latin, cera)
- Aluminoso: alumina (Latin)
- Cupreo: from "copper"
- Vitriolic: resembling vitriol

John Horton Conway and Landon Curt Noll developed an open-ended system for naming powers of 10, in which one sexmilliaquingentsexagintillion, coming from the Latin name for 6560 , is the name for $10^{3(6560+1)}=10^{19683}$. Under the long number scale, it would be $10^{6(6560)}=10^{39360}$.

Names of chemical compounds can be extremely long if written as one word, as is sometimes done. An example of this is sodiummetadiaminoparadioxyarsenobenzoemethylenesulphoxylate, an arsenic-containing drug. There are also other chemical naming systems, using numbers instead of "meta", "para" etc. as descriptive dividers, breaking up the name, which then no longer can be considered a single long word.

The IUPAC nomenclature for organic chemical compounds is open-ended, giving rise to the 189,819-letter chemical name Methionylthreonylthreonyl...isoleucine which is involved in striated muscle formation. Its empirical formula is $\mathrm{C}_{132983} \mathrm{H}_{211861} \mathrm{~N}_{36149} \mathrm{O}_{40883} \mathrm{~S}_{693}$. A 1,185-letter example, Acetylseryltyrosylseryliso...serine, refers to the coat protein of a certain strain of tobacco mosaic virus and was published by the American Chemical Society's Chemical Abstracts Service in 1964 and 1966. ${ }^{[17]}$ It marks the longest published word before in 1965, the Chemical Abstracts Service overhauled its naming system and started discouraging excessively long names.

The words Internationalization and localization are abbreviated " i 18 n " and " 110 n ", respectively, the embedded number representing the number of letters between the first and the last.

## Place names

## Main article: List of long place names

There is some debate as to whether a place name is a legitimate word.
The longest officially recognized place name in an English-speaking country is Taumatawhakatangihangakoauauotamateapokaiwhenuakitanatahu (85 letters), which is a hill in New Zealand. The name is in the Māori language.

In Canada, the longest place name is Dysart, Dudley, Harcourt, Guilford, Harburn, Bruton, Havelock, Eyre and Clyde, a township in Ontario, at 61 letters or 68 non-space characters. ${ }^{[18]}$

## The 58-character name

Llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogoch is the famous name


The sign at
Taumatawhakatangihangakoauauotamateapokaiwhenus of a town on Anglesey, an island of Wales. This place's name is actually 51 letters long, as certain character groups in Welsh are considered as one letter, for instance $l l, n g$ and $c h$. It is generally agreed, however, that this invented name, adopted in the mid-19th century, was contrived solely to be the longest name of any town in Britain. The official name of the place is Llanfairpwllgwyngyll, commonly abbreviated to Llanfairpwll or the somewhat jocular Llanfair $P G$.

The longest place name in the United States ( 45 letters) is Chargoggagoggmanchauggagoggchaubunagungamaugg, a lake in Webster, Massachusetts. It means "Fishing Place at the Boundaries - Neutral Meeting Grounds" and is sometimes facetiously translated as "you fish your side of the water, I fish my side of the water, nobody fishes the middle". The lake is also known as Lake Webster. ${ }^{[19]}$ The longest hyphenated names in the U.S. are Winchester-on-the-Severn, a town in Maryland, and Washington-on-the-Brazos, a notable


The station sign at
Llanfairpwllgwyngyllgogerychwyrndrob in North Wales
place in Texas history.
The longest official geographical name in Australia is Mamungkukumpurangkuntjunya Hill. ${ }^{[20]}$ It has 26 letters and is a Pitjantjatjara word meaning "where the Devil urinates". [21]

In Ireland, the longest English placename at 22 letters is Muckanaghederdauhaulia (from the Irish language, Muiceanach Idir Dhá Sháile, meaning "pig-marsh between two saltwater inlets") in County Galway. If this is disallowed for being derived from Irish, or not a town, the longest at 19 letters is Newtownmountkennedy in County Wicklow.

## Krung Thep Mahanakhon Amon Rattanakosin Mahinthara Yuthaya Mahadilok Phop Noppharat Ratchathani Burirom

 Udomratchaniwet Mahasathan Amon Piman Awatan Sathit Sakkathattiya Witsanukam Prasit is the ceremonial name of Bangkok, Thailand; it has the Guinness World record for longest place name in the world, not in English however.See also: List of short place names

## Words with certain characteristics of notable length

- Strengths is the longest word in the English language containing only one vowel.
- Rhythms is the longest word in the English language containing none of the five recognised vowels.
- Schmaltzed and strengthed appear to be the longest monosyllabic words recorded in OED; but if squirrelled is pronounced as one syllable only (as permitted in SOED for squirrel), it is the longest.
- Euouae, a medieval musical term, is the longest English word consisting only of vowels, and the word with the most consecutive vowels. However, the "word" itself is simply a mnemonic consisting of the vowels to be sung in the phrase "seculorum Amen" at the end of the lesser doxology. (Although $u$ was often used interchangeably with $v$, and the variant "Evovae" is occasionally used, the $v$ in these cases would still be a vowel.)
- The longest words with no repeated letters are dermatoglyphics, misconjugatedly and uncopyrightables. ${ }^{[22]}$
- The longest word whose letters are in alphabetical order is the eight-letter Aegilops, a grass genus. However, this is arguably both Latin and a proper noun. There are several six-letter English words with their letters in alphabetical order, including almost, biopsy, and chintz. ${ }^{[23]}$
- The longest words recorded in OED with each vowel only once, and in order, are abstemiously, affectiously, and tragediously (OED). Fracedinously and gravedinously (constructed from adjectives in OED) have thirteen letters; Gadspreciously, constructed from Gadsprecious (in OED), has fourteen letters. Facetiously is among the few other words directly attested in OED with single occurrences of all five vowels and the semivowel $y$.
- The longest single palindromic word in English is rotavator, another name for a rotary tiller for breaking and aerating soil.


## Typed words

- The longest words typable with only the left hand using conventional hand placement on a QWERTY keyboard are tesseradecades, aftercataracts, ${ }^{[24]}$ and the more common but sometimes hyphenated sweaterdresses. ${ }^{[23]}$ Using the right hand alone, the longest word that can be typed is johnny-jump-up, or, excluding hyphens, monimolimnion. ${ }^{[25]}$ and phyllophyllin
- The longest English word typable using only the top row of letters has 11 letters: rupturewort. Similar words with 10 letters include: pepperwort, perpetuity, proprietor, requietory, repertoire, tripertite, pourriture and (fittingly) typewriter. The word teetertotter (used in North American English) is longer at 12 letters, although it is usually spelled with a hyphen.
- The longest using only the middle row is shakalshas (10 letters). Nine-letter words include flagfalls, galahads and alfalfas.
- Since the bottom row contains no vowels, no standard words can be formed. Exceptions might include $Z Z Z$, seen in some dictionaries to denote sleep, or Canadian broadcast station call letters (such as CBBX). ${ }^{[26]}$
- The longest words typable by alternating left and right hands are antiskepticism and leucocytozoans respectively. ${ }^{[23]}$
- On a Dvorak keyboard, the longest "left-handed" words are epopoeia, jipijapa, peekapoo, and quiaquia. ${ }^{[27]}$ Other such long words are papaya, Kikuyu, opaque, and upkeep. ${ }^{[28]}$ Kikuyu is typed entirely with the index finger, and so the longest one-fingered word on the Dvorak keyboard. There are no vowels on the right-hand side, and so the longest "right-handed" word is crwth.


## Common words in general text

Ross Eckler has noted that most of the longest English words are not likely to occur in general text, meaning non-technical present-day text seen by casual readers, in which the author did not specifically intend to use an unusually long word. According to Eckler, the longest words likely to be encountered in general text are deinstitutionalization and counterrevolutionaries, with 22 letters each. ${ }^{[29]}$

A computer study of over a million samples of normal English prose found that the longest word one is likely to encounter on an everyday basis is uncharacteristically, at 20 letters. ${ }^{[30]}$

## Humour

Smiles, according to an old riddle, may be considered the longest word in English, as there is a mile between the first and last letter. A
retort asserts that beleaguered is longer still, since it contains a league. The riddle and both jocular answers date from the 19th century. [31][32]

In the old time radio retrospective, Golden Radio, comedian Jack Benny jokes that "the longest word in the English language is the one that follows, 'Now, here's a word from our sponsor.'"

## See also

- Donaudampfschiffahrtselektrizitätenhauptbetriebswerkbauunterbeamtengesellschaft, longest published word in German
- Lipogram
- List of the longest English words with one syllable
- Longest English sentence
- Longest word in Spanish
- Longest word in Turkish
- Number of words in English
- Scriptio continua
- Sesquipedalianism


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$\mathrm{q}=\% 22$ longest + word $\% 22+$ aristophanes $\& \mathrm{dq}=\% 22$ longest + word $\% 22$ ) ISBN $0-8069-5790-5$
4. $\wedge \boldsymbol{a b}$ Coined around 1935 to be the longest word; press reports on puzzle league members legitimized it somewhat. First appeared in the MWNID supplement, 1939. Today OED and several others list it, but citations are almost always as "longest word". More detail at pneumonoultramicroscopicsilicovolcanoconiosis.
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9. ^ "Floccinaucinihilipilification" Dr. Goodword Alpha Dictionary (http://www.google.com/goodword/word/floccinaucinihilipilification)
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## External links

- A Collection of Word Oddities and Trivia - Long words (http://members.aol.com/gulfhigh2/words11.html)
- Long words (chemical names) (http://jeff560.tripod.com/words13.html)
- Long words (place names) (http://jeff560.tripod.com/words12.html)
- What is the longest English word? (http://www.askoxford.com/asktheexperts/faq/aboutwords/longestword) , AskOxford.com "Ask the Experts"
- What is the Longest Word? (http://www.fun-with-words.com/word_longest.html) , Fun-With-Words.com
- Full chemical name of titin (http://www.sarahmcculloch.com/luminaryuprise/longest-word.html) .
- Taxonomy of Wordplay (http://www.questrel.com/records.html)

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