

## WORDS WITH TWO PAIRS OF LIKE LETTERS – THE SEQUEL

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In the August 2017 edition of Word Ways, it was reported that the most downloaded article during the preceding 12 months had been “Words with Two Pairs of Like Letters”, written by me, and originally published in 1973. The article had been downloaded 5049 times in those 12 months, and downloaded over 30,000 times since first becoming downloadable in 2009.

The original article sought to find examples of words with two double letters (but ignoring the very difficult combinations JJ, QQ, VV and XX) – words such as **dumbbell** (double B and double L), **buccaneer** (double C and double E) and **razzmatazz** (two occurrences of double Z). The original article found words and names for 196 of the 253 possible combinations, leaving 57 gaps. The total of 253 is arrived at by noting that double A can be combined with 22 double letters, double B can be combined with 21 double letters, and so on. This gives the sum  $(22+21+20+\dots+3+2+1)$ , which comes to 253.

The original article did not show which words were capitalised and which were not. Also, the original article did not associate specific reference works to specific words; a list of reference sources was given (W3, W2, etc), but there was no info about which words were taken from which sources. I've taken the opportunity here to re-present the original list of words, with capitalisation (or not) and sources made clear.

However, the main purpose of this article is to update the original list of words presented. I have managed to fill many of the 57 gaps, as well as finding better words (and/or better sources) to replace some of the words (and/or sources) in the original article. In assessing whether a new word or source is better or not, I have been guided by the following criteria:

Common words are better than uncommon ones
Unhyphenated words are better than hyphenated ones
Uncapitalised words are better than capitalised ones
Words with double letters not split by a hyphen are better than those with double letters split by a hyphen
Later sources are better than earlier sources (eg W3 better than W2)

Less obscure sources are better than obscure sources (eg dictionaries better than Hodge/TIG)
Modern spellings are better than older spellings
Dictionary headwords are better than words only appearing in illustrative quotations
Printed sources are better than internet sources
Any word or name better than none at all

Occasionally, there are instances where these criteria may be contradictory. For example, is a short uncommon word better than a longer common word? Is a short capitalised word better than a longer uncapitalised one? And so on. Here's a specific example: in the table below, the aa-ll example is **paanwallah**, a pretty unfamiliar/uncommon word found in the OED. Much more familiar to a general audience would be **Gyllenhaal**, the surname of Jake Gyllenhaal, the American actor. Which is the better offering – **paanwallah** or **Gyllenhaal**? I would argue that **paanwallah** is the better example – it's uncapitalised, and the fact that it's in the OED means it will still be findable by logologists in 50 or even 100 years time, whereas Jake Gyllenhaal may be a forgotten actor 50 or 100 years hence.

The table below summarises the position regarding improved words and sources, and the remaining number of gaps:

<b>Number</b>	<b>Meaning</b>	<b>Code in * column below</b>
<b>89</b>	<i>no changes - same words, same sources</i>	<i>0</i>
<b>2</b>	<i>same words, but better sources</i>	<i>1</i>
<b>105</b>	<i>better words, same sources or better sources</i>	<i>2</i>
<b>47</b>	<i>gaps filled</i>	<i>3</i>
<b>10</b>	<i>remaining gaps</i>	<i>4</i>
<b>253</b>	<i>total combinations</i>	

<b>Original offering</b>	<b>Source</b>	<b>Combo</b>	<b>*</b>	<b>New offering</b>	<b>Source</b>
raadzaal	W3	aa-aa	0	raadzaal	W3
Jerubbal	W2	aa-bb	2	babbelaas	OED (variant spelling of 'babbelaas', a hangover)
Occaanechy	Hodge	aa-cc	2	occaacioun	OED (pre-17th century spelling of 'occasion')
Adderlaake	TIG	aa-dd	2	supraaddition	OED (an unhyphenated spelling of 'supra-addition', in an 1868 quote, listed at 'supra-')
heenraad	W3	aa-ee	0	heenraad	W3

taaffeite	W3	aa-ff	0	taaffeite	W3
Baambrugge	TIG	aa-gg	2	meshuggaas	W3
Kibrothhattaavah	W2	aa-hh	2	aarrghh	OSPD 5th edition
aalii	W3	aa-ii	0	aalii	W3
markkaa	W3	aa-kk	0	markkaa	W3
Dwaarkill	TIG	aa-ll	2	paanwallah	OED
Sammaa	W2	aa-mm	2	aandblommetjie	OED
Annaas	W2	aa-nn	2	baardmannetjie	OED (inflection of 'baardman')
waahoo	W3	aa-oo	0	waahoo	W3
Koppieskraal	TIG	aa-pp	2	Maatschappij	OED
Kaarre	TIG	aa-rr	2	aarrghh	OSPD 5th edition
assbaa	W2	aa-ss	2	pussyclaat	OED
Kibrothhattaavah	W2	aa-tt	2	kittawaax	OED (a 17th century plural of 'kittiwake')
Uusimaa	TIG	aa-uu	1	Uusimaa	Wikipedia (region of Finland)
		aa-ww	3	powwaa	OED (an 18th century variant of 'powwow')
Pyyvaara	TIG	aa-yy	2	Jumhooriyyaa	Britannica.com (part of the name "Divehi Raajjeyge Jumhooriyyaa", an alternative name for the Republic of the Maldives)
Waz-za-ar-tar	Hodge	aa-zz	2	Izzatdaar	Wikipedia (the title of a 1990 Bollywood film)
gibblegabbler	W2	bb-bb	2	flibbertigibbet	W3
		bb-cc	3	tobacco	OED (a 15-17th century spelling of 'tobacco')
odd-jobber	W3	bb-dd	2	addubbe	OED (a 15-16th century spelling of 'adub')
Caribbee	F&W	bb-ee	2	beerbibber	W2
subbailiff	W2	bb-ff	0	subbailiff	W2
Oggebbio	TIG	bb-gg	2	weggebobble	OED
		bb-hh	3	Mohhabbazee'n	OED (low and ridiculous farces in ancient Egypt, in an 1836 quote, listed at 'perform')
		bb-ii	3	rabbiing	W2 & OED ('rabbi' listed as a verb)
subbookkeeper	W2	bb-kk	0	subbookkeeper	W2
dumbbell	W3	bb-ll	0	dumbbell	W3
		bb-mm	3	Rabbathammana	encyclopedia.kids.net.au (In the Bible, Rabbathammana was one of the names given to the chief city of the Ammonites, later changed to Philadelphia by Ptolemy Philadelphius)

<b>pinnate-ribbed</b>	<b>W2</b>	<b>bb-nn</b>	<b>2</b>	<b>bonnyclabber</b>	<b>W3</b>
<b>gobbledygook</b>	<b>W3</b>	<b>bb-oo</b>	<b>0</b>	<b>gobbledygook</b>	<b>W3</b>
<b>babberlipped</b>	<b>W2</b>	<b>bb-pp</b>	<b>2</b>	<b>bubblewrapped</b>	<b>OED (in a 1987 quote at 'bubble-wrap')</b>
<b>corrobboree</b>	<b>W3</b>	<b>bb-rr</b>	<b>0</b>	<b>corrobboree</b>	<b>W3</b>
<b>abbess</b>	<b>W3</b>	<b>bb-ss</b>	<b>0</b>	<b>abbess</b>	<b>W3</b>
<b>babbit</b>	<b>W3</b>	<b>bb-tt</b>	<b>0</b>	<b>babbit</b>	<b>W3</b>
		<b>bb-uu</b>	<b>3</b>	<b>tabbuuli</b>	<b>OED (variant spelling of 'tabbouleh')</b>
		<b>bb-ww</b>	<b>3</b>	<b>yellow-webbed</b>	<b>Wikipedia (the article on 'Wilson's storm petrel' says that some authors have also called this bird the 'yellow-webbed storm petrel')</b>
		<b>bb-yy</b>	<b>3</b>	<b>cubbyyew</b>	<b>W2</b>
<b>abbozzo</b>	<b>W3</b>	<b>bb-zz</b>	<b>0</b>	<b>abbozzo</b>	<b>W3</b>
<b>acciaccatura</b>	<b>W3</b>	<b>cc-cc</b>	<b>0</b>	<b>acciaccatura</b>	<b>W3</b>
		<b>cc-dd</b>	<b>3</b>	<b>moccuddum</b>	<b>OED (an 18th century spelling of 'muqaddam')</b>
<b>buccaneer</b>	<b>W3</b>	<b>cc-ee</b>	<b>0</b>	<b>buccaneer</b>	<b>W3</b>
		<b>cc-ff</b>	<b>3</b>	<b>McCafferty</b>	<b>Wikipedia (a surname of Irish origin)</b>
		<b>cc-gg</b>	<b>3</b>	<b>braggadoccio</b>	<b>OED (variant spelling of 'braggadocio')</b>
<b>Beth-haccерem</b>	<b>W2</b>	<b>cc-hh</b>	<b>2</b>	<b>Bethhaccерem</b>	<b>Smith's Bible Dictionary (an unhyphenated variant of W2's hyphenated form, a place mentioned twice in the Bible)</b>
<b>bacchii</b>	<b>W3</b>	<b>cc-ii</b>	<b>0</b>	<b>bacchii</b>	<b>W3</b>
		<b>cc-kk</b>	<b>3</b>	<b>Kuccuntikka</b>	<b>Wikipedia (a band of Shoshone people)</b>
<b>piccalilli</b>	<b>W3</b>	<b>cc-ll</b>	<b>0</b>	<b>piccalilli</b>	<b>W3</b>
<b>accommodate</b>	<b>W3</b>	<b>cc-mm</b>	<b>0</b>	<b>accommodate</b>	<b>W3</b>
<b>piccaninny</b>	<b>W3</b>	<b>cc-nn</b>	<b>0</b>	<b>piccaninny</b>	<b>W3</b>
<b>raccoon</b>	<b>W3</b>	<b>cc-oo</b>	<b>0</b>	<b>raccoon</b>	<b>W3</b>
<b>hiccupped</b>	<b>W3</b>	<b>cc-pp</b>	<b>0</b>	<b>hiccupped</b>	<b>W3</b>
<b>occurring</b>	<b>W3</b>	<b>cc-rr</b>	<b>0</b>	<b>occurring</b>	<b>W3</b>
<b>access</b>	<b>W3</b>	<b>cc-ss</b>	<b>0</b>	<b>access</b>	<b>W3</b>
<b>gnocchetti</b>	<b>W2</b>	<b>cc-tt</b>	<b>2</b>	<b>orecchiette</b>	<b>OED (a type of pasta); also, Merriam-Webster Unabridged website</b>
		<b>cc-uu</b>	<b>3</b>	<b>occiduus</b>	<b>OED (in the biological name <i>Celestus occiduus</i>, the galliwasp, a West Indies lizard, listed at 'galliwasp')</b>
		<b>cc-ww</b>	<b>4</b>		
		<b>cc-yy</b>	<b>3</b>	<b>occuppyd</b>	<b>OED (an old spelling of 'occupied', in a c1440 quote at 'vacant')</b>

flaccidezza	F&W	cc-zz	0	flaccidezza	F&W (a disease of silkworms)
fuddy-duddy	W3	dd-dd	2	granddaddy	W3
sadducee	W3	dd-ee	0	sadducee	W3
offsaddle	W3	dd-ff	0	offsaddle	W3
straddle-legged	W3	dd-gg	2	saddlebagged	W3
		dd-hh	3	godspellwrihhtess	OED (an old spelling of 'gospelwrights', in a 1200 quote at 'gospelwright'). This word is also notable for 4 pairs of doubled letters, all different.
		dd-ii	3	heddewigii	www.definitions.net (part of the scientific name <i>Dianthus chinensis heddewigii</i> , a variety of the flower China pink)
kjoekkenmoedding	W2	dd-kk	0	kjoekkenmoedding	W2
mollycoddle	W3	dd-ll	0	mollycoddle	W3
flummadiddle	W3	dd-mm	0	flummadiddle	W3
odd-pinnate	W3	dd-nn	2	suddenness	W3
paddockstool	W3	dd-oo	0	paddockstool	W3
Chappaquiddick	TIG	dd-pp	1	Chappaquiddick	WGD
Cuddingwarra	TIG	dd-rr	2	overridden	W3
goddess	W3	dd-ss	0	goddess	W3
muddy-mettled	W3	dd-tt	2	middelskotte	OED (plural of 'middelskot', in South Africa a payment to a farmer)
		dd-uu	3	hydduus	OED (an old spelling of 'hideous', appearing in several quotes, eg a 1522 quote at 'bowland')
		dd-ww	3	widdowwood	OED (a 17th century spelling of 'widowhood')
		dd-yy	3	belyyde	OED (an old spelling of 'bellied', in a 1440 quote at 'corsiousness')
		dd-zz	3	Addiopizzo	Wikipedia (a grassroots movement in Sicily to build a community of businesses and consumers who refuse to pay Mafia extortion money)
teepee	W3	ee-ee	0	teepee	W3
coffee	W3	ee-ff	0	coffee	W3
geggee	W2	ee-gg	2	thuggee	W3
urhheen	W3	ee-hh	0	urhheen	W3
		ee-ii	3	leersii	OED (in the biological name <i>Helminthosporium leersii</i> , in a 1938 quote at 'incubate')

thickknee	F&W	ee-kk	2	steekkan	OED (an 18th century spelling of 'steekan', a unit of capacity)
jeewhillikens	W2	ee-ll	2	speedwell	W3
recommende	W2	ee-mm	2	committee	W3
innkeeper	W3	ee-nn	0	innkeeper	W3
cooe	W3	ee-oo	0	cooe	W3
tippee	W3	ee-pp	0	tippee	W3
interrogee	W3	ee-rr	0	interrogee	W3
sweetness	W3	ee-ss	0	sweetness	W3
cuttanee	W3	ee-tt	2	settee	W3
Aalsmeerderbuurt	TIG	ee-uu	2	Quulle	OED (a 16th century spelling of 'Koli', a people of India)
arrowweed	W3	ee-ww	0	arrowweed	W3
		ee-yy	3	goolayyalibee	Travel-australia.org (a name for the Australian pelican)
quizee	W3	ee-zz	0	quizee	W3
riffruff	W3	ff-ff	0	riffruff	W3
Poggendorff	W2	ff-gg	2	raggamuffin	OED (a variant of 'ragamuffin', a music derived from reggae)
		ff-hh	3	Kirchhoff	OED
jeffreysid	F&W	ff-ii	0	jeffreysid	F&W (a type of conch)
Kaffershoekkop	TIG	ff-kk	2	neckerchuff	OED (a Middle English spelling of 'neckerchief')
daffodilly	W3	ff-ll	0	daffodilly	W3
		ff-mm	3	immunodiffusion	W3
caffetannin	W3	ff-nn	0	caffetannin	W3
buffoon	W3	ff-oo	0	buffoon	W3
hippogriff	W3	ff-pp	0	hippogriff	W3
overruff	W3	ff-rr	0	overruff	W3
sheriffess	W2	ff-ss	2	effortless	W3
spittlestaff	W2	ff-tt	2	suffragette	W3
		ff-uu	3	effectuously	OED (a pre-17th century spelling of 'effectuously', urgently)
skewwhiff	W3	ff-ww	0	skewwhiff	W3
		ff-yy	3	affrayt	OED (a pre-17th century spelling of 'afraid')
		ff-zz	3	huzziff	OED (an 18th century spelling of 'housewife', a small needle-case)
Luggnagg	W2	gg-gg	2	buggerlugging	OED
		gg-hh	3	Tunggochha	Wikipedia (village in Nepal)

		gg-ii	3	niggliite	OED
		gg-kk	3	Hoggenekkal	OED (in 2008 quote at 'abhisheka')
golliwogg	W3	gg-ll	2	eggshell	W3
Commessaggio	TIG	gg-mm	2	Junggrammatiker	OED
unnagging	W2	gg-nn	2	unniggardly	OED
daggerproof	W2	gg-oo	2	beggarhood	OED
appoggiatura	W3	gg-pp	0	appoggiatura	W3
overrigged	W2	gg-rr	2	Correggiesque	OED
thuggess	W2	gg-ss	2	aggressive	W3
pettifogging	W3	gg-tt	2	waggonette	OED
		gg-uu	3	nuutmugg	OED (a Middle English spelling of 'nutmeg')
		gg-ww	3	rowwaggon	OED (a 17th & 19th century spelling of 'rolwagen', a type of Chinese vase)
Jaggayyapeta	TIG	gg-yy	0	Jaggayyapeta	TIG (a place in India)
fuzzy-legged	W2	gg-zz	2	maggezzine	OED (a 16th century spelling of 'magazine')
Chhechh	TIG	hh-hh	2	Chhachhrauli	Wikipedia (town in India)
		hh-ii	3	leichhardtii	OED (from the biological name <i>Gmelina leichhardtii</i> , the coo-in-new, an Australian tree, listed at 'coo-in-new')
		hh-kk	3	Poocuoohunkunnah	Wikipedia (the original name for Cuttyhunk Island, Massachusetts)
Richhill	RMcN	hh-ll	2	allrihht	OED (an early English spelling of 'alright')
		hh-mm	3	bushhammer	W3
Connughhariegughharie	Hodge	hh-nn	2	Muhheakunnuk	OED (an alternative form of 'Mohican')
fishhook	W3	hh-oo	0	fishhook	W3
		hh-pp	3	whhipp	OED (a Middle English spelling of 'whip')
Chharra	TIG	hh-rr	2	aarrghh	OSPD 5th edition
Massenbachhausen	TIG	hh-ss	2	thresshold	OED (a Middle English spelling of 'threshold')
Kibrothhattaavah	W2	hh-tt	0	Kibrothhattaavah	W2
		hh-uu	3	uualhhebuc & uualhhæbuc	OED (two 8th century spellings of 'hawk')
		hh-ww	4		
		hh-yy	4		
Pochereth-hazzebaim	F&W	hh-zz	2	Helkathazzurim	Biblical-baby-names.com (a baby name, from the biblical place name)

					Helkath-hazzurim, mentioned in the Bible at 2 Samuel 2:16)
livantiira	TIG	ii-ii	0	livantiira	TIG (place in Finland)
likka	TIG	ii-kk	2	Sukkiim	Wikipedia (an ancient African nation mentioned in the Hebrew bible)
Bougainvilliidae	W2	ii-ll	2	alliin	W3
Grammysiidae	F&W	ii-mm	2	psammobiid	OED
blenniid	W2	ii-nn	2	Blenniidae	W3
Ramoosii	W3	ii-oo	0	Ramoosii	W3
Appendiculariidae	W2	ii-pp	0	Appendiculariidae	W2
Sarrii	Hodge	ii-rr	2	perradii	OED (plural of 'perradius'); W3 lists 'perradius', but does not show a specific plural
Crossopterygii	W3	ii-ss	0	Crossopterygii	W3
tettigoniid	W3	ii-tt	2	sagittarii	W3
liruu	TIG	ii-uu	0	liruu	TIG (place in Finland)
		ii-ww	3	Hawaiian	OED (a misspelling of 'Hawaiian', from a 1959 quote at 'big kahuna')
Siipyy	TIG	ii-yy	0	Siipyy	TIG (place in Finland)
		ii-zz	3	buzzatii	Wikipedia (appears in the scientific name <i>Drosophila buzzatii</i> , the fruit fly)
Kvikkjokk	TIG	kk-kk	2	makkatokka	OED (appears in the etymology of 'manatoka', an Australian shrub)
Brekkuvellir	TIG	kk-ll	2	frikkadelle	OED (a variant of 'frikkadell', a ball of minced meat)
Kirkkonummi	TIG	kk-mm	0	Kirkkonummi	TIG (place in Finland)
Hannukkah	W2	kk-nn	0	Hannukkah	W2
bookkepper	W3	kk-oo	0	bookkepper	W3
Brakkoppie	TIG	kk-pp	2	hakkippurim	OED (from the term 'yom hakkippurim', which appears in the etymology of 'Yom Kippur')
Karringmelkkop	TIG	kk-rr	2	mukkyrrar	OED (a pre-17th century form of 'muckerer', a miser)
Ekkassa	TIG	kk-ss	2	jakkalsbessie	W3
Akkaraipattu	TIG	kk-tt	2	pakkett	OED (a 15th century spelling of 'packet')
Kuusikkolaki	TIG	kk-uu	2	puukko	OED
		kk-ww	3	Muwwakkil	Wikipedia (a surname)
Akkyya	TIG	kk-yy	0	Akkyya	TIG (place in Kyrgyzstan)
Waw-gun-nuk-kiz-ze	Hodge	kk-zz	0	Waw-gun-nuk-kiz-ze	Hodge (a variant spelling of 'Waganakisi', an Ottawa village in Michigan, established in 1743)



hillbilly	W3	ll-ll	0	hillbilly	W3
mammilla	W3	ll-mm	2	yellowhammer	W3
Pollyanna	W3	ll-nn	0	Pollyanna	W3
football	W3	ll-oo	0	football	W3
appall	W3	ll-pp	0	appall	W3
guerrilla	W3	ll-rr	0	guerrilla	W3
misspell	W3	ll-ss	0	misspell	W3
milliwatt	W3	ll-tt	0	milliwatt	W3
Hillegommerbuurt	TIG	ll-uu	2	pillouair	OED (a Scottish pre-17th century spelling of 'piliver', a pillow or pillowcase)
hollowwort	W2	ll-ww	2	swallowwort	W3
		ll-yy	3	galley-yarn	OED
fuzzball	W2	ll-zz	2	quizzically	W3
nimmy-pimmy	W2	mm-mm	2	ammopalladammonium	OED (listed at 'ammo-')
ninnyhammer	W3	mm-nn	2	commonness	W3
emmergoose	W2	mm-oo	2	mummyhood	OED
doppelkummel	W2	mm-pp	2	immunosuppression	W3
narrow-rimmed	W2	mm-rr	2	tummelberry	OED
commission	W3	mm-ss	0	commission	W3
committed	W3	mm-tt	0	committed	W3
Hillegommerbuurt	TIG	mm-uu	2	nuummite	OED (a rare mineral, from a 2009 quote, listed at 'labradorescent'); also listed on Wikipedia
		mm-ww	4		
Ommayyad	F&W	mm-yy	0	Ommayyad	F&W (a member of a dynasty of Mohammedan califs who ruled in Damascus and southern Spain)
		mm-zz	3	shlimmazzel	OED (a spelling of 'shlimazel', a born loser, from a 1962 quote)
kinnikinnick	W3	nn-nn	0	kinnikinnick	W3
Pannacook	W3	nn-oo	2	hootenanny	W3
Appunn	W2	nn-pp	2	tuppenny	W3
annerre	W2	nn-rr	2	barrenness	W3
sennegrass	W3	nn-ss	2	barrenness	W3

flannelette	W3	nn-tt	0	flannelette	W3
Quunniepueck	Hodge	nn-uu	2	annuum	OED ( <i>Capsicum annuum</i> is the scientific name for capsicum, shown at 'capsicum')
Bowwetegoweninnewug	Hodge	nn-ww	2	unnawwnedd	OED (a 13th century spelling of 'unawned')
Budenny	TIG	nn-yy	2	pennyys	OED (a Middle English plural of 'penny')
Cannizzaro	W3	nn-zz	0	Cannizzaro	W3
toolroom	W3	oo-oo	0	toolroom	W3
whippoorwill	W3	oo-pp	2	bootstrapper	W3
kookaburra	W3	oo-rr	2	gooseberry	W3
foolishness	W3	oo-ss	2	footless	W3
buttinhook	W3	oo-tt	2	tattoo	W3
Suurkloofberge	TIG	oo-uu	2	Neusiooc	OED (a 15th century spelling of 'Neusiok', a North American Indian people )
bowwood	W3	oo-ww	0	bowwood	W3
		oo-yy	3	wyyfhood	OED (an old spelling of 'wifehood', from a 1440 quote)
muzzlewood	W3	oo-zz	0	muzzlewood	W3
whippersnapper	W3	pp-pp	0	whippersnapper	W3
narrow-hipped	W2	pp-rr	2	appleberry	W3
grasshopper	W3	pp-ss	2	suppress	W3
Appomattoc	W2	pp-tt	2	outtopping	W3
Oppuurs	TIG	pp-uu	0	Oppuurs	TIG (place in Belgium)
		pp-ww	4		
Poyyappatti	TIG	pp-yy	2	oppsytt	OED (a Middle English spelling of 'opposite')
Happizzez	W2	pp-zz	2	frizzletopped	OED (an unhyphenated spelling of 'frizzle-topped', having frizzled hair, from a 1567 quote)
tirrwirr	W2	rr-rr	2	tirralirra	W3
embarrass	W3	rr-ss	0	embarrass	W3
atterr	W2	rr-tt	2	atterrate	W3
Tuupovarra	TIG	rr-uu	2	luurve	OED (a 19th century spelling of 'lurve', a colloquial/humorous form of the verb 'love')
arrowworm	W3	rr-ww	2	arrowwood	W3
Farrakhsiyyar	F&W	rr-yy	0	Farrakhsiyyar	F&W (a land grant in India)

terrazzo	W3	rr-zz	0	terrazzo	W3
senselessness	W3	ss-ss	2	assess	W3
tottergrass	W2	ss-tt	2	cassette	W3
		ss-uu	3	douuysse	OED (a 16th century spelling of 'dovish', in a 1537 quote)
Kowwassaye	Hodge	ss-ww	2	clawwess	OED (a Middle English plural of 'claw')
		ss-yy	3	pryyncesse	OED (a Middle English spelling of 'princess')
piazzaless	W2	ss-zz	2	dizziness	W3
throttlebottom	W3	tt-tt	2	scuttlebutt	W3
		tt-uu	3	quutten	OED (a pre-17th century Scots form of 'quit')
Ottawwawwug	Hodge	tt-ww	2	muttawwa	OED (a variant spelling of 'mutawwa', a member of the religious police in Saudi Arabia)
Neyyattinkara	TIG	tt-yy	0	Neyyattinkara	TIG (place in India)
gazzetta	W2	tt-zz	2	bozzetto	W3
muumuu	W3	uu-uu	0	muumuu	W3
		uu-ww	3	euuww	OED (a 19th century variant of 'ew', an expression of disgust)
Uusikaarlepyy	TIG	uu-yy	0	Uusikaarlepyy	TIG (place in Finland)
		uu-zz	4		
Ottawwawwug	Hodge	ww-ww	2	ewwww	OED (a variant spelling of 'ew', an expression of disgust, in a 1969 quote)
		ww-yy	4		
		ww-zz	4		
		yy-yy	4		
		yy-zz	4		
razzmatazz	W3	zz-zz	2	pizzazz	W3

Can readers fill any of the 10 gaps, or offer further improvements?

Where to next? One possibility is that we might decide to treat **aa-bb** and **bb-aa** differently. For example, the **oo-tt** example above is **tattoo**, but the doubled letters appear in the order **tt-oo**. We could seek an **oo-tt** example where the doubled letters appear in that order – for example, **bloodletting**. This would increase the total number of words to be sought to 462 (=22x22-22), an additional 209 words. Alternatively, we could tackle the difficult combinations with a double J, double Q, double V or double X. But I suspect there will be so few of these, and they will be very obscure.

### **List of Printed Sources**

W3	Webster's Third Edition
W2	Webster's Second Edition
F&W	Funk & Wagnall's New Standard Dictionary of the English Language, 1945 edition
TIG	Times Index Gazetteer
Hodge	Handbook of American Indians North of Mexico, Frederick Webb Hodge
RMcN	Rand McNally Commercial Atlas and Marketing Guide, 1967 edition
OED	Oxford English Dictionary, online edition
WGD	Webster's Geographical Dictionary, 1969
OSPD	Official Scrabble Players Dictionary, 5 <sup>th</sup> edition
Smith's Bible Dictionary	2004 edition

### **List of Websites**

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