DUAL CRYPTOGRAMS

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Newspaper cryptograms are usually easy to solve. They may get hard when they're made of words with unusual letter statistics. But no matter how hard they are, when you solve them, you can be sure you got the right answer. Cryptograms longer than about 30 letters (known to codebreakers as the 'unicity distance') just don't have two solutions. Or do they?

Short cryptograqms with multiple solutions are easy to find. For example, abcdefg hijklmn decodes to thousands of phrases, the most likely being ones like DISPUTE FRANKLY, MODULAR KITCHEN, UNKEMPT HAIRDOS, MARXIST FLUNKEY, NAUGHTY PROMISE or SKETCHY DRAWING.

I call a pair of texts that cipher into each other a 'dual cryptogram.' Any pair of the 14-letter phrases above is a dual cryptogram. Longer examples can be made by repetition: A ROSE IS A ROSE IS A ROSE to I HURT OR I HURT, or NEVER, NEVER, NEVER to SARAH! SARAH! SARAH! But this dodge won't get you very far. Authentically long dual cryptograms don't show up in wordplay books. Yet they can be made. Perhaps the sampling below will encourage some new logological activity.

Timid Doe (123 letters)

I'M HERE. TIMID DOE AM I. TOG ME PER HER, RON--HIDDEN; BUT GET YOU ME A VEIL SO I'LL NOT MEET A GAMY FATE--DOOM DOWN AT A DAMN WOOD. YOU, KATZ, MET A HOT EGO. YOU VIED; I SOON LOSE. (A frightened soul, imagining herself hunted like a deer, asks her friend, Ron Katz, to find camouflage more complete than that which an acquantance wears. She commends Katz for facing opposition in circumstances where she would feel certain of defeat.)

AS BOYO, NASAL LEO IS A NEW, SO COY, BOY. YET BALLOT URN WON HER, SO I GOAD ME (ADD TEN). SOON I WISH VINO--LEES LEFT IN, I LIST. FEEL HER JINX, SON. I, BEN, OWE HER GAOL, A MEET DEMO. (The narrator, Ben, on losing a raffled date to snide Leo, lashes himself and begs for ten strokes more, then turns to cheap drink. Gripped by her spell, he imagines doing further penance in jail to prove his mad devotion.)

Maine Drag (129 letters)

I HEAR FOOL RED-COPED GENT RICO SUES PEPE RE WANTON DUO BROOE DARED HELP AL GET CODS IN GREAT ME DRAG. AS HE'D MET VIXENS IN WET FLOOD-KELP GROT, DUO DID BESOT AL RICO.

(A swell buffoon, Al Rico, while fishing for cod on a Maine dragger, met a pair of mermaids who lured him to their sea cave and boozed him up. Now he's suing the captain, Pepe, for leading him into embarrassment.)

O WAIL, KEEN LAS VEGAS PARD, LOVE THAT GAGA LA BIRDER. SHE FLEES SILAS WANG IN PAD VEST OR PLAID CA SLIP. "IT WAS CAD MOZART OR BAD-KNEES YANG" PLED SHE. SOS, FATED IN LOVE.

(A sensitive cowboy gambler, smitten by a valley-girl naturalist who's fallen in with the infamous Mozart/Yang gang, despairs as his beloved is pursued in dishabille by one of the gang's victims, to whom she protests her innocence, crying out that the real culprits are the gang's notorious leaders.)

Sliced Birds (139 letters)

COLD BIGOT BANDS DRAGON; CAD REDS WANT MIND SANE. MILORD GOLDEN CAP. A MOON DREW EBB NOT FLOOD; A BOOR ROBS WINO REDS. HE IRONS A DIVOT AS HE BIDS--SAD!--AND HE'S MAILED MONGOL'S WEEDS.

(Write your own interpretation for this wild tale in which the law of gravitation seems to have been repealed.)

HENS FACED FIRST SLICER--HIS LOST BIRD PARS. TIRO PANELS CENSOR HIM. I PEER, SLOB, OFF RED KNEES. I FEEL LEFT BARE, LOST. GO ALERT--I SAWED IT--GO FAST: 'TIS IRS GOT PIANO'S PERCENT BOOST. (This is a confused story of a hen-slicing contest and a lament that the taxman has claimed the profits of a piano sale.)

A Bus Named 'Fare' (176 letters)

I WAS PUT ON A BUS NAMED FARE AS I BIT M.I.T. BARN ISSUE ON A CAR GAS WAY, AS I HATE HOW, LIKE HIS PAWKY SUB, DUKE, FIRN POSSE GUN FOR US. CAN RUTS OF BASK PATH BATE IVY, LORN FOR JURY DUTY PUT ON US? CUB TALC HIT LUXE PAIR AS HE RUBS ME LOTS.

(In the gas line, I joined an argument with the snow troops, who are always looking for a fight, just as his canny sidekick, Duke, does. Though the argument was only about saving a barn at M.I.T. they still sent me packing on a bus; on entering it, I noticed the name-tag 'Fare'. The silver lining: perhaps the bumpy bus ride down the sun-bathers' path will take Mr. Ivy's mind off our call to jury duty. He was so distracted during my last massage that he knocked over the baby powder and got it all over that filthy-rich couple.) pawky=canny, firn=snowpack, bate=moderate, lorn=forsaken

A DIN FOR US! I WON SIBYL PITY IN A WAR BAR. WITS ANNOY US--I HIT KIN, 'DIE', IN A MIRY MUD. CAGY MAN FIDGE, NOW LOGY, PATS FUNNY

KO'S PUT ON HIS TORN UP WING--FIRM WIRY AXE CUTS. PUT VOTE LORE FOR US ON HOW RICH MAR COZY FIAT IN MY TOWN BY CURN.

(Raise a cheer! A fortune teller took pity on me down at the VFW, where those wise guys usually lay it on us. Heartened, and yelling "Die!", I pushed their cousin in the mud. As he fell, he cut his sleeve on some hanging tools—an axe and a wire brush. No longer his usual shrewd, edgy self, he rose in a daze, groggily patting the evidence of the knock—out blow. Now, please publish the story of the referendum where the rich folk succeeded in overturning the rule of a cozy few.) fidge=fidgeter, curn=few

Barns and Bees (inside out, backward)

And now for something different, a 72-letter word-palindrome whose halves form a dual cryptogram. The exchange map (ai)(bg)(ds)(eo)(lr)(nt) reverses the words within each half. This transformation is the same as converting each half into the other or turning the whole inside out.

BEES'-GARRET BARN GETS BOND-GILT BILLON. GOOD! GOOD BILLON-GILT BOND GETS BARN-GARRET BEES.

(Silver alloy with gold leaf bonded on is deposited in a barn that has bees in the loft-thank goodness!. Those pesky bees are enticed by very expensive whiskey.)

He Sora Cat (105 letters)

These dual cryptograms are based on the inside-out-and-backward exchange map extended to cover the rest of the alphabet.

BIRD-LEG WITH ROAD LEGEND WAS SORA, DEAR KIM. I SAW RAIL BIRD CLAW AT TOM, FOND CAT, IN BIG-RIG CAB COT. CAN I NOT BOIL CAT AND GILD ITS EAR? HEX AN EAR?

(Filling in details of a now-legendary on-the-road bird story, the narrator has identified as a sora rail the owner of the claw that raked a cat in the sleeping quarters of a tractor-trailer. In the course of the story he reveals his own sick fantasies about making a cat fetish.)

GALS, ROB MANY LEIS. ROBOTS 'MID DELI SOIL JAW A DIM LIAR, GALS, PRIM IN NEW VET'S PIN AT GAB-LAB PIG PEN. PIT A TEN-GEAR, PIN ITS BARS, AND OIL YOU IT. OIL!

(The girls are told to make off with the leis that decorate the speech-lab commons room, littered with refuse from take-out meals. Cover is given by talking robots that distract a sorry vagrant posing as a veteran, who's making a few bucks as an experimental subject. The girls will be able to make their getaway on bicycles, but only if they tune the bikes first.)

The key to making dual cryptograms is a stock of words that encrypt into other words. From the word lists of Webster's Collegiate and a spelling checker, I have been able to extract stocks as large as 1035

words. (Hundreds of more obscure words could be added from Webster's Unabridged.) The biggest stock isn't necessarily the best; none of my examples use it. My longest offering, "A Bus Named 'Fare'", came from a much smaller stock that was crafted to map as many little words (articles, pronouns, prepositions, conjunctions, and helping verbs) onto each other as possible.

I invite you to try your hand at this new game. Word Ways wizards can surely improve on my stocks as well as my cryptograms. The rules are easy: word-boundaries are preserved, no letter maps into itself, case distinctions and punctuation don't count. For a starter kit, I've appended two good stocks. Readers with big word-lists can use the letter maps of other examples to reconstruct more stocks; just apply the map and check the list that comes out against the list that went into it. The map (abcdefghijklmnopqrstuvwxyz) (ifvsakpwoqyncregjltdhmbzux) creates the biggest stock.

Stock for 'A bus named Fare'; 541 words.

a	i	AAA	III	ad	IL	add	ill	ah	I'm
AI	IA	ale	icy	all	ICC	an	is	Andy	isle
annoy	issue	Anns	ISSN	AP	if	ar	it	AR	it
as	in	ass	inn	at	IR	awed	idyl	awn	ids
ay	ie	AZ	IQ	b	w	BA	WI	bade	wily
ban	wis	bar	wit	barn	wits	Barr	Witt	barre	witty
base	winy	bask	wing	bate	wiry	be	WY	bey	wye
bias	wain	bib	waw	bilge	wacky	bin	was	birr	watt
bis	wan	bit	war	bite	wary	bits	warn	bon	Wus
bow	wud	bug	wok	bur	wot	bus	won	busk	Wong
buts	worn	butte	worry	buy	woe	by	we	C	h
CA	hi	cagy	hike	can	his	car	hit	caw	hid
cay	hie	CIS	Han	city	hare	Cohn	hums	conge	husky
corn	huts	coy	hue	cub	how	cue	hoy	cuer	Hoyt
cum	hob	CUNY	hose	cur	hot	cusk	hong	cutin	horas
cuts	horn	Су	he	d	1	DA	li	Dade	lily
dahs	limn	daisy	liane	Daly	lice	dam	lib	damn	libs
dan	lis	dandy	lisle	DAR	lit	daw	lid	dawn	lids
day	lie	days	lien	deny	lyse	deus	Lyon	dey	lye
dial	laic	dib	law	dibs	lawn	die	lay	dim	lab
din	las	disk	lang	dit	lar	DNI	LSI	Dodd	lull
dodo	Lulu	dole	Lucy	dory	lute	dose	luny	dub	low
dubs	lown	Dugan	Lokis	duke	logy	dun	Los	Dunn	loss
duo	Lou	durn	lots	dusk	long	duty	lore	dye	ley
е	У	en	ys	f	p	fa	pi	fan	pis
far	pit	farce	pithy	fare	pity	fas	pin	fats	pirn
fay	pie	fetal	pyric	fiat	pair	fib	paw	fibs	pawn
fid	pal	fide	paly	fie	pay	Fijis	pavan	fin	pas
Finn	pass	finny	passe	fir	pat	firn	pats	Fisk	pang
fit	par	fix	Paz	fogy	puke	for	put	Fri	PTA
fud	pol	funny	posse	fur	pot	fuse	pony	FY	PE
FYI	pea	g	k	gads	kiln	gamy	kibe	gap	kif
gar	kit	Gary	kite	gas	kin	GE	KY	gie	kay
gun	kos	gut	kor	gyp	kef	h	m	ha	mi
had	mil	hah	mim	Han	mis	hat	mir	hate	miry
haw	mid	hays	mien	he	my	hi	ma	hie	may
him	Mab	hin	mas	his	man	hiss	Mann	hit	mar
HIV	max	ho	mu	hong	musk	how	mud	hs	MN
hub	mow	hubs	mown	huh	mom	hum	mob	hut	mor
huts	morn	hyson	menus	I	a	IA	AI	id	Al

				1/8					
Ida	Ali	idyl	Alec	ie	ay	if	AP	III	AAA
IL	AC	I'm	Ab	imam	Abib	in	as	Inc	ash
inn	ass	IR	at	is	an	ISSN	Anns	issue	annoy
it	ar V	IV Jan	ax vis	Ivan jay	axis vie	ivy Jr	axe VT	ix Judy	AZ vole
jury	vote	k	g	Kay	gie	kef	gyp	kid -	gal
Kidd	gall	Kidde	gally	kif	gap	Kim	gab	kin	gas
kit	gar	kite	Gary	kod	gul	kor	gut	kos	gun
KY	GE	1	С	lar	cit	leis	cyan	li	CA
Lias	Cain	lib	caw	lid	Cal	lie	cay	lien	cays
like	cagy	limn	cabs	ling	cask	linin	casas	liny	case
lis	can	lit	car		carbon	long	cusk	loran	cutis
lorn	cuts	lory	cute	lose	CUNY	lot	cur	lots	curn
Lum	cob	lune	cosy	lux	coz	lube luxe	coxy	Lulu	Coco
m	b	main	bias	man	bis	manus	bison	many	bise
mar	bit	Mary	bite	mas	bin	mask	bing	Matt	birr
maw	bid	max	biz	MBA	BWI	me	by	mi	BA
MIA	ban	mid	bal	midge	balky	mien	bays	mime	baby
Minas	basin	Ming	bask	mir	bat	miry	bate	MIT	bar
mitt	Barr	Mitty	barre	MN	bs	Moe	buy	mon	bus
mor	but	morn	buts	mot	bur	mote	bury	mots	burn
moue	buoy	mow	bud	mown	buds	Mudd	boll	Muir	boat
mum	bob	mung	bosk	mus	bon	muse	bony	musk	bong
Muss	Bonn	mussy Nam	Bonne	named	be sibyl	myth	berm	n	s
Nat	sir	NB	SW	NC	sibyi	nan NCAR	shit	nary	site
nibs	sawn	nidus	salon	NIH	Sam	nil	sac	nisi	San'a
Nita	sari	nitwit		noh	sum	nopal	Sufic	nos	sun
nose	SUNY	nu	so	nub	sow	nubs	sown	nun	SOS
nus	son	NW	SD	NY	SE	0	u	of	up
OG	UK	on	us	or	ut	os	UN	osar	unit
p	f	pair	fiat	Pali	FICA	paly	fice	Pam	fib
pang	Fisk	par	fit	pas	fin	pass	Finn	passe	finny
pat	fir	path	firm fie	pats PE	firn	paw	fid	pawky	fidge
pi	fa	pay pie	fay	pin	FY fas	pea pirn	FYI fats	pH pis	FM fan
pit	far	pith	farm	pity	fare	pixy	faze	pony	fuse
posse	funny	pot	fur	pow	fud	PTA	Fri	puke	fogy
put	for	рух	fez	q	j	r	t	ra	ti
rah	Tim	ran	tis	Rao	tiu	rara	titi	rase	tiny
ray	tie	RBI	twa	ret	tyr	ri	ta	rib	taw
ridge	talky	rim.	tab	ring	task	Rio	tau	risk	tang
roan	tuis	rosin	tunas	rosy	tune	rotas	Turin	rots	turn
Roy	Tue	rue	TN toy	rub ruse	tow	rubs	town	rudd	toll
ruts	torn	RV	TX	s	tony	rusk	tong	rut	tor
Sam	nib	San'a	nisi	sari	Nita	SC	SH	SE	NY
sel	NYC	sh	NM	sike	Nagy	silty	nacre	sir	Nat
sis	nan	site	nary	slit	NCAR	so	nu	son	nus
SOS	nun	sub	now	sudd	Noll	sum	nob	sun	nos
SUNY	nose	SW	ND	t	r	ta	ri	talc	rich
tale	ricy	tali	Rica	tam	rib	tang	risk	task	ring
tau	Rio	taw	rid	ti	ra	tic	rah	tidy	rale
Tiu	Rao	TN	racy	tiny	rase	tis	ran	titi	rara
tong	rusk	tony	ruse	tor	rut	tom	rub	tome	ruby
tub	row	Tue	Roy	tuis	roan	tum	rob	tunas	rue
tune	rosy	Turin	rotas	turn	rots	tyr	ret	u	0
UK	OG	UN	os	unci	OSHA	unit	osar	up	of
us	on	ut	or	V	×	VA	xi	van	xis
VW	x"d	W	d	WAF	dip	wah	dim	Waite	diary
wan was	Dis din	Wang	disk	war	dit	warn	dits	wary	dite
wily	dace	waw	did date	way wis	die	wide	Daly	widen	Dalys
witted		wok	dug	Wis	Dan	wit	DAR	wits	darn
Wu	do	Wus	don	WV	DX	WY	duty de	wye	dud dey
Wylie	decay	x	Z	Xosa	Zuni	У	6	ys ys	en
Z	P								CII

Stock for 'Maine drag'; 924 words.

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a	is	ae	IA	AI	Io	aid	Ios	ail	ion
AD	in	ale	Ina	all	inn	an	IR	and	IRS
Al			IL	are	Ila	as	it	at	I'd
ane	Ira	ar	Ibn	AZ	IX	b	f	bacon	fiver
ate	Ida	awl		bald	fins	baler	final	ball	Finn
bads	fist	bal	fin		firs	bands	first	bard	fils
ballot	finned	ban	fir	band	fill	Barron	filler	bat	fid
bare	fila	baron	filer	Barr			fail	beard	fails
bawd	fibs	be	fa	bean	fair	bear	fan	ben	far
bed	fas	beds	fast	bee	FAA	bel			fop
bent	fard	besot	fated	bet	fad	bier	foal	big	feal
bin	for	bine	fora	bins	fort	biz	fox	Boer	
bold	fens	bolt	fend	Bolton	fender	boo	fee	boor	feel
boos	feet	boot	feed	Bors	felt	Bose	feta	bot	fed
bovine	femora	bow	Feb	box	fez	brag	flip	brans	flirt
	flit	Bries	float	brig	flop	brim	floc	brine	flora
bras		briner	floral	brio	floe	brood	flees	byre	Fula
brined	floras		VI	cad	vis	cade	visa	caird	viols
С	. v	CA	* 100000		Vic	caner	viral	Carr	vill
calk	viny	calmed	vincas	cam	Vida	CD	vs	cede	Vasa
case	vita	cased	vitas	cate			volva	coal	vein
ceder	vasal	cero	vale	ceros	valet	Circe		cols	vent
coaler	veinal	codger	vespal	cods	vest	cole	vena		
colt	vend	conceal	vervain	condo	verse	cone	vera	conk	very
cons	vert	COO	vee	coon	veer	cope	Vega	coped	Vegas
core	vela	cote	Veda	coted	Vedas	COZ	vex	cs	VT
cub	VHF	cud	VHS	d	S	dabs	sift	dace	Siva
dad	sis	dag	sip	dam	sic	dan	sir	dared	Silas
dart	sild	daw	sib	deal	sain	deals	saint	dear	sail
	savin	del	san	dele	San'a	Dena	sari	dene	Sara
decal		Des	sat	dibs	soft	did	SOS	dig	sop
dent	sard	diked	soyas	dim	Soc	Dina	sori	dine	sora
dike	soya		sort	dire	sola	dirt	sold	Dis	sot
dined	soras	dins			soma	dived	somas	DNA	sri
dit	sod	dite	soda	dive		does	seat	dogs	sept
do	se	doe	sea	doer	seal		serins	done	sera
dolt	send	Dom	sec	Donal	serin	Donald			slip
door	seel	dos	set	dose	seta	dosed	setas	drag	St
dreg	slap	drew	slab	drip		drys	slut	ds	
dual	shin	duel	Shan	duels	shan't	duet	shad	duo	she
dyne	sura	е	a	ear	ail	eat	aid	eaton	aider
eben	afar	ed	as	Edson	aster	ef	ak	eg	ap
egad	Apis	egger	appal	ego	ape	el	an	elk	any
ell	Ann	els	ant	Elsa	anti	else	anta	em	AC
	act	en	ar	end	ars	enols	aren't	enrol	Arlen
ems	art	enwind	arbors	era	Ali	eras	alit	ere	ala
ens		err	all	Errol	Allen	Erse	Alta	es	at
erg	alp		ad	etas	adit	Evan	amir	eve	AMA
Essen	attar	et	AZ	f	k	face	kiva	faced	kivas
ewe	ABA	ex			kiln	fas	kit	faso	kite
fads	kist	fag	kip	farl			kors	fire	kola
fat	kid	fid	KOs	fin	kor	find		fob	kef
fired	kolas	fit	KO'd	flood	knees	floor	kneel		keen
focal	Kevin	foe	kea	fogs	kept	fold	kens	fool	
fop	keg	fuel	khan	g	p	GA	pi	gabbro	
gad	pis	gag	pip	Gail	pion	gal	pin	galled	- ' '
	pinner	gals	pint	game	pica	gamed	picas	gams	
GAO	pie	gap	pig	gas	pit	gavel	Piman	gay	piu
GE	pa	gear	pail	geat	paid	gel	pan	geld	pans
gels	pant	gem	PAC	gemot	paced	gems	pact	Gene	para
The second services of		7.00	part	gent	pard	get	pad	GI	PO
genro	parle	gens	pop	gild	Pons	gilt	pond	Gino	pore
gids	post	gig	pop	gnarr	prill	go	PE	Goa	Pei
gins	port	GIS	771111111			godson	pester	goer	peal
goal	pein	god	pes	gods	pest			good	pees
goes	peat	gold	pens	gonad	peris	goo	pee		plaid
goof	peek	goon	peer	gop	peg	got	ped	great	phons
grig	plop	grit	plod	grot	pled	grow	pleb	guild	phons

				100					
gut	PhD	gym	PUC	gyp	pug	gyro	pule	gyve	puma
gyved	pumas	h	w	ha	WI	had	wis	Hal	win
half	wink	halo	wine	halt	wind	hank	wiry	hap	wig
hark	wily	hart	wild	has	wit	he	WA	heads	waist
heal	wain	hear	wail	heard	wails	heck	wavy	he'd_	was
Hel	wan	held	wans	helot	waned	help	Wang	hem	WAC
hen	war	hens	wart	hent	ward	hep	wag	hero	wale
Herr	wall	hers	walt	Hess	watt	Hilton	wonder	hinds	worst
hins	wort	hint	word	his	wot	ho	we	hobs	weft
hods	west	hoer	weal	hogs	wept	hold	wens	holt	wend
hoof	week	hoot	weed	hors	wept	Horton	welder		
hound	Wehrs	how	weed					hot	wed
				how'd	webs	hues	what	i	0
ice	ova	icon	over	icons	overt	id	os	if	OK
IL	on	in	or	ind	ors	inn	Orr	ins	ort
ion	o'er	it	od	Ito	ode	IUD	ohs	j	q
jot	QED	k	У	Kant	yird	kef	yak	keg	yap
kelp	yang	ken	yar	keno	yare	Kent	yard	kids	Yost
kilt	yond	kit	yod	KO	уе	KO'd	yes	KOed	yeas
KOs	yet	1	n	lads	NIST	lag	nip	lar	nil
lard	Nils	las	nit	lase	Nita	law	nib	lean	Nair
Lear	nail	leg	nap	lego	nape	lek	nay	lent	nard
lesson	natter	Lev	Nam	levo	name	Lew	nab	lewd	nabs
li	no	liar	noil	lice	nova	lid	nos	lido	nose
lieu	Noah	Lin	nor	line	Nora	lip	nog	lire	Nola
lis	not	Lise	nota	lit	nod	Litton	nodder	live	noma
lived	nomas	Liz	Nox	10	NE	local	Nevin		
100					The second second			loco	neve
	nee	loon	neer	loot	need	Los	net	loss	nett
lot	Ned	love	nema	loved	nemas	low	neb	m	c
mad	CIS	Mae	CIA	mail	cion	manna	cirri	mas	cit
mask	city	mason	citer	MD	CS	me	CA	meal	cain
meant	caird	Mede	casa	Meg	cap	Mel	can	meld	cans
melds	canst	melled	cannas	Mellon	canner	melon	caner	men	car
mend	cars	Menlo	carne	men's	cart	meson	cater	met	cad
mew	cab	mewer	cabal	mi	Co	mids	cost	mil	con
mild	cons	milk	cony	mil1	conn	milo	cone	mime	coca
mimed	cocas	Mimi	coco	mine	Cora	mined	Coras	miner	coral
ming	Corp	mint	cord	mir	col	mire	cola	mired	colas
mirs	colt	mis	cot	missed	cottas	MIT	cod	mite	coda
mitral	codlin	mix	coz	mome	ceca	moo	cee	mood	cees
morae	Celia	mors	celt	Ms	CT	mt	cd	muons	chert
n	r	nabs	rift	nag	rip	name	Rica		
Nat	rid	NATO	ride	NC	RV	ND		nap	rig
Neal	rain	near	rail	neat			rs	NE	Ra
Nero	rale	Neva		and the second second	raid	nebs	raft	Nelson	ranter
nim			rami	nevi	Ramo	NIH	row	nil	Ron
	roc	nisi	roto	nit	rod	no	re	nob	ref
nobs	reft	nod	res	nodal	resin	nods	rest	nog	rep
nolo	Rene	nos	ret	not	red	novas	remit	novel	reman
now	reb	NYPD	rugs	0	е	od	es	odd	ess
ogam	epic	oil	eon	OKed	eyas	old	ens	Olson	enter
one	era	op	eg	Opel	Egan	or	el	ora	Eli
orb	elf	ordo	else	orr	ell	ort	eld	os	et
p	g	pa	GI	pad	GIS	pads	gist	pal	gin
pale	Gina	Pali	Gino	pall	ginn	pans	girt	pant	gird
pap	gig	par	gil	pare	Gila	parr	gill	parrot	gilled
pars	gilt	part	gild	pat	gid	paw	gib	PE	GA
peal	gain	pear	Gail	peas	gait	ped	gas	peds	gast
peg	gap	Pei	GAO	pelted	Gandas	pen	gar		
реро	gage	per	gal	Perez	galax	pes		pep	gag
pet	gad	pew	gab	pi	galax		gat	peso	gate
pier	goal	pies	goat	pig			gosport	pie	Goa
pion	goer	pis			GOP	pink	gory	pinon	gorer
pods	gest	polo	got	pit	god	ply	gnu	PO	GE
		pries	gene	polos	Genet	pood	gees	poods	geest
port	geld		gloat	prink	glory	proof	gleek	prop	gleg
q	Jin J	r	1	Ra	li	Rabi	LIFO	racon	liver
rag	lip	rail	lion	Ramo	lice	ramus	licht	ranis	lirot
Rao	lie	rare	Lila	rat	lid	rave	lima	ravel	liman
raw	lib	rax	Liz	re	la	real	lain	ream	laic

reamer	laical	red	Las	Redd	lass	redo	lase	reds	last
regal	lapin	Reid	Laos	rend	Lars	rent	lard	rep	lag
repel	lagan	res	lat	ret	lad	rev	lam	revved	Lammas
rewind	labors	reword	labels	ri	10	rial	loin	ribs	loft
Rico	love	rid	Los	rids	lost	riel	loan	rig	lop
rille	Lonna	rimer	local	rink	lory	rip	log	rise	lota
road	leis	robs	left	roc	lev	rock	levy	rods	lest
roe	lea	roil	Leon	role	Lena	rood	lees	roof	leek
roper	legal	rose	Leta	ross	Lett	rot	led	rote	Leda
Roy	leu	s	t	sad	'tis	sag	tip	saga	tipi
sal	tin	sale	Tina	Salk	tiny	salp	ting	sals	tint
Sam	tic	Sao	tie	say	tiu	SC	TV	SD	ts
se	ta	sea	Tai	seals	taint	sear	tail	seer	Taal
sego	tape	sel	tan	self	tank	semi	taco	sen	tar
send	tars	sender	tarsal	sens	tart	sera	tali	serf	talk
set	tad	sew	tab	shads	twist	shallot	twinned	she	twa
shoos	tweet	shoot	tweed	si	to	sibs	toft	sild	tons
silk	tony	silked	Tonyas	silo	tone	sin	tor	sink	tory
sins	tort	sip	tog	sire	tola	sired	tolas	sis	tot
sit	tod	snag	trip	snap	trig	snit	trod	snob	tref
snood	trees	snoot	treed	sods	test	sol	ten	sold	tens
soldo	tense	solos	tenet	sols	tent	soot	teed	sot	ted
sues	that	suet	Thad	suing	thorp	SUNY	thru	SW	TB
t	d	tace	diva	taco	dive	tad	Dis	tael	Dian
tag	dip	tale	Dina	talon	diner	tans	dirt	Tao	die
Taos	diet	tap	dig	tapas	digit	tat	did	taw	dib
tele	Dana	ten	DAR		darkens	tenon	darer	tens	dart
tent	Dard	tete	dada	ti	do	tie	DOA	tigon	doper
til	don	tile	dona	tiled	donas	tiler	Donal	till	Donn
tilled	donnas	Tim	Doc	tinder	dorsal	tine	Dora	ting	dorp
tip	dog	tiro	dole	'tis	dot	tit	DOD	titi	dodo
TN	Dr	to	de	toads	deist	tod	Des	togs	Dept
told	dens	tole	Dena	tom	Dec	tomato		too	dee
toon	deer	toot	deed	toped	Degas	tor	del	torr	dell
tows	debt	u	h	UAL	hin	v	m	VA	mi
vale	Mina	valid	Minos	van	mir	vane	Mira	vas	MIT
vasa	MITI	vat	mid	vav	mim	veal		veld	man's
venae	maria	venal	Marin	vend	mars	vendue		Vera	Mali
verse	Malta	vet	mad	veto	made	VI	MO	vie	moa
vied	moas	vies	moat	VII	moo	vile	Mona	vine	mora
vined	moras	vino	more	vip	mog		mot	visor	motel
vito	mode	vivo	mome	vixens		volt		voter	medal
vs	Mt	VT	MD	W	b	wad	bis	wails	biont
walt	bind	Walton	binder	want	bird	wanton	birder	was	bit
waw	bib	wax	biz	we	BA	wear	bail	weds	bast
wee	baa	weed	baas	Wehr	bawl	weld	bans	welt	band
wen	bar	wend	bars	wens	Bart	went	bard	wert	bald
wet	bad	wig	bop	wile	bona	will	Bonn	wilt	bond
wilton	bonder	wind	Bors	wine	bora	wined	boras	wino	bore
wins	bort	winton	border	wire	bola	wired	bolas	wis	bot
wiz	box	woes	beat	wok	bey	wold	bens	wons	Bert
woo	bee	wood	bees	wool	been	woos	beet	word	bels
wore	Bela	wot	bed	wove	bema	wries	bloat	x	Z
x'd	zs	У	u	ys	UT	z	x		-
	9 2000								

Addenda. When the original stock was augmented by a list of 10,000 American place names of six letters or less, these and 70 less familiar names popped up.

Benet	farad	Herod	Wales	Minot	cored	Ono	ere
Branson	flirter	Les	Nat	Molson	center	Salton	tinder
Cato	vide	Lyndon	nurser	Mono	cere	Toro	dele
Di	so	Merton	Calder	Nemo	race	Wesson	batter