

GENERALIZED ALTERNADES: PART 2

REX GOOCH

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For a discussion of Generalized Alternades the reader is referred to the first part of this article in the August 2000 Word Ways. There examples of the simplest kind of alternade were given: single words with component parts read in the same direction, as TRIENNIALLY = TINILY + RENAL (stride length 2) or PACIFICATORY = PICO + AFAR + CITY (stride length 3). In this part, I consider variations on the basic theme: alternades with component parts read in reverse, and alternades with component parts that can be read in both directions, sometimes with the same stride length, other times with different stride lengths. One can even construct alternades which have two different forward stride lengths and one reverse stride length!

SINGLES REVERSE

8 letters to 4 + 4 Reverse (all in Pulliam)

APPROACH = HARP + COPA
 BIOBLAST = TABI + SLOB
 EARLIEST = TELA + SIRE
 ESTRIATE PULL = EARS + TITE
 GEARLESS = SERE + SLAG
 GREATEST = TEAR + STEG
 PEARLASH = HARE + SLAP
 PEOPHISH = HIPE + SLOP
 STEEPEST = TEET + SPES
 THICKEST = TECH + SKIT
 TRIALIST = TIAR + SLIT

BEAMLESS = SEME + SLAB
 BLUENESS = SEEL + SNUB
 ENTREATY = YARN + TETE
 FREELOAD = DOER + ALEF
 GIANTISM = MINI + STAG
 OUTFLOAT = TOFU + ALTO
 PEARLISH = HIRE + SLAP
 PLAINEST = TEIL + SNAP
 SURGIEST = TEGU + SIRS
 TOLBOOTH = HOBO + TOLT
 WEETLESS = SETE + SLEW

9 letters to 5 + 4 Reverse

AFRICAANS (vf) = SACRA + NAIF
 ARTERIOLA (Sted) = AORTA + LIER
 DYEADLICH (vf) = HISED + CLAY
 HYPERBOOM (?) = MORPH + OBEY
 REATTAINS (OSPD) = SITAR + NATE
 RYE-FIELDS (Ch) = SLIER + DEFY
 SEM PRIEST (OED) = TERMS + SIPE
 SHOP LOOMS (OED) = SOLOS + MOPH
 SMEARLESS = SERES + SLAM
 STAINLESS = SENAS (obs senate) + SLIT
 SWEETLEAF = FETES + ALEW
 TORTILLAS = SLIRT + ALTO

AGIOGRAPH = HAGIA + PROG (= spike)
 DEERWEEDS (OSPD) = SEWED + DERE
 ENGINEERS = SENGE + REIN
 INTOOTHED = DHOTI + ETON
 REEL-DANCE (OED) = ENDER + CALE
 SEA-PRIEST (OED) = TERAS + SIPE
 SENSORIAL = LIONS + ARSE
 SKINNIEST = TENIS (OED) + SINK
 SOPHOCLES = SLOPS + ECHO
 STARRIEST = TERAS + SIRT
 SWEETNESS = SETES (pl sete) + SNEW
 TO SCAN OUT (OED) = TOAST + UNCO

10 letters to 5 + 5 Reverse

ALMAIN-LEAP (OED) = PENAL + ALIMA (Web2)
 IMPORTANCE = ENTOM (Medical) + CARPI
 PARDONLESS = SENDA (Pull) + SLORP
 PHOTOFLASH = HAFTH (vf) + SLOOP
 TANGENTIAL = LINGA + ATENT (vf)

AT THE GRIPE (OED) = EIGHT + PRETA (Pull)
 NORNORWEST (Web2) = TERNO (Pull) + SWORN
 PERSONLESS (OED) = SENSE + SLORP
 PRAECUNEUS = SEUER (OED) + UNCAP
 TREASONOUS = SOOAR (vf) + UNSET

10 letters to 4 + 4 + 3 Reverse

ABORIGINAL = LIRA + AGO + NIB
 ANGIORRHEA (Web2) = ARIA + ERG + HON
 DEPOPULATE = ELOD (Web2) + TUP + APE
 ENSTATITIC = CITE + ITS + TAN
 PEDICURIST = TRIP + SUD + ICE also PEDICURING
 PROSODICAL = LISP + ADO + COR
 SYNTONICAL = LITS + ANN (vf) + COY

11 letters to 6 + 5 Reverse

AT UTTERMOST (OED) = TORTUA (Sted) + SMETT (vf)
 GENTIAN-ROOT (OED) = TONING + ORATE
 ON NO ACCOUNT (OED) = TUCANO (Argentine plane?) + NOCON (Pcon)
 OOLOOPOOLOO = OLOOLO + OPOOO (all Pcon)
 STETHOSPASM = MASHES + SPOTT (vf, or place)

11 letters to 4 + 4 + 3 Reverse

ABORIGINALS = SNIB + LIRA + AGO
 ANTEMARITAL (Web2) = LIMN + AREA + TAT
 DEMODULATES = SADE + ELOD + TUM also DEMODULATED
 ESTROPIPATE (Sted) = EPOS (poetry) + TIRE + APT
 REDECORATED = DACE + ERER (vf) + TOD
 REGENERATES = SANE + ERER (vf) + TEG
 SEXOLOGICAL = LILE + AGOS (Pull) + COX
 SUPEROCULAR = RURU + ACES + LOP

12 letters to 6 + 6 reverse

ENDARTERIALS (Sted) = SARTAN (vf) + LIERDE (vf)

12 letters to 4 + 4 + 4 Reverse

ADENOLIPOMAS (Sted) = SOLE + APOD + MINA
 ASTROLABICAL = LILT + ABOS (OSPD) + CARA (Pull)
 EDEMATOGENIC (Sted) = CETE + IGAD + NOME
 LAMINARANASE (OED) = ENAM + SANA (vf or mens sana) + ARIL
 MARINE ANIMAL (BI) = LIER + ANNA (Indian coin) + MAIM
 MESENTERITIS = SITS + IRNE (Pull) + TEEM
 METROLOGICAL = LILT + AGOE (vf) + CORM
 NEGATIVENESS = SNIG + SETE (Pull) + EVAN
 SEPARATENESS = SNAP + SERE + ETAS

12 letters to 3 + 3 + 3 + 3 Reverse

ANTEROMEDIAL = LEE + AMT + ION + DRA (Pull)
 CEPHALOCLAST (Pull) = TCH + SOP + ALE + LAC
 ELYTROCLASIA = ALT + ICY + SOL + ARE
 EPIDERMATOID = DAD + IMI (Ethiopia TAW or Pull) + ORP + TEE
 GASTROLIENAL = LIT + ALS + NOA + ERG
 MERCURIALISM = MAC + SIR + IRE + LUM
 OSTEOSARCOMA = ARE + MAT + OSS + COO
 PETTICOATISM = MAT + SOT + ICE + TIP
 SECTARIANISM = MAT + SIC + IRE + NAS

13 letters to 5 + 4 + 4 Reverse

ADENOLIPOMATA (Sted) = AMINA (Collins?) + TOLE + APOD
 EXTRAPOLATORS = STORE + RAPT + OLAX (?)
 INTRAOCULARIS (Sted) = SACRI + ILOT + RUAN (BI)
 MELANORRHEICS (Sted) = SERAM (BI) + CHOL + IRNE (Pull)
 PREHISTORICAL = LITHP (vf) + ARSE + COIR
 TELETOPOMETER (Web2) = REPET (vf) + EMOL (Pull) + TOTE

14 letters to 5 + 5 + 4 Reverse

DISARTICULATES = SACRI + ELIAD + TUTS
 PARAGRANULOMAS (Sted) = SONGA (vf) + ALAAP (vf) + MURR

AEROBATICS = STOA + CAR + IBE (Pull)
 AROMATICAL = LIMA + ATO (Pull) + CAR
 DETOXICATE = ECOD + TIT + AXE
 EXTROPICAL = LIRE + APT + COX
 PREMARITAL = LIMP + ARE + TAR
 SEMINOMATA = AMIS (Pull) + TOM (whore) + ANE
 WATERINESS = SNEW + SIT + ERA

DENTULOUSLY (Sted) = YSOUND (vf) + LULTE (Mid Eng lilt)
 NEGLIGENTIA (Ch, Latin root) = ATEIGN (vf) + INGLE
 SLANTIN PASS (BI) = SANTAS (pl) + SPINL (vf)
 TEAM HONOURS (OED) = SUN-HAT (OED) + ROOME (vf)

ANOMALOUSLY = YUAN + LOMA + SLO
 ASYNARTETES = SEAS + ETNA + TRY
 DEMORALISES = SIRE + ELOD (Pull) + SAM
 ORTHOSCOPE (Sted) = DOOR + ECHO + PST
 REDELIVERED = DELE + EVER + RID
 SELF-DELUDER = RUDE + ELFS + DEL also SELF-DELUDED
 STEGANOPODS (OED) = SPAT + DOGS + ONE
 WATER ANIMAL (OED) = LIRA + ANEW + MAT

ANEMOLOGICAL = LILE + AGON + COMA
 ASTROLOGICAL = LILT + AGOS (Pull) + CORA (vf)
 ETYMOLOGICAL = LILY + AGOT (vf) + COME
 LENITIVENESS = SNIN (OSPD) + SETE (Pull) + EVIL
 MATRIHERITAL = LIHT (vf) + ARIA + TERM
 MESENTERONIC = COTS + IRNE (Pull) + NEEM
 MONOBROMATED = DARN + EMBO (place) + TOOM
 NORADRENALIN (AmHer) = NARR (Pull) + INDO (Sted) + LEAN
 WOBEGONENESS (Pull) = SNOB + SEGO + ENEW

BITRIPARTITE = ERR + TAT + IPI (Pull or in Pakistan) + TIB
 DEPRECIATING = GAR + NIP + ICE + TED (vf)
 ENHYPOSTASIS = STY + ISH + SON + APE
 FALSEHEARTED (Web2) = DAS + EEL + THA + REF
 LENTICELLATE = ELT + TEN + ACE + LIL (vf)
 NITROMURIATE = ERR + TUT + AMI + ION
 PETTICOATING = GAT + NOT + ICE + TIP
 POSTAGE STAMP (Ch) = PST + MES + AGO + TAP
 TERGIVERSATE = ERG + TER + AVE + SIT

EXTRASOMATICS (Sted) = STORE + CAST + IMAX (OED)
 INTRAREGIONAL (OED) = LOERI (vf) + AIRT + NGAN (Pull)
 NORADRENALINE = ELEAN (Pull) + NARR + INDO (W90-211)
 REDELIVERANCE = EAVER + CRID (vf) + NELE (vf)

DISASSIMILATES (Sted) = SAMSI (vf) + ELIAD + TISS (vf)
 REDELIVERANCES (derived) = SNELE (vf) + EAVER + CRID (vf)

15 letters to 3 + 3 + 3 + 3 + 3 Reverse (virtually all short words in Pulliam, even if marked otherwise)

ADULT LITERATURE (BI) = ERT + REL + UTU + TID + ALA ANOSODIAPHORIAS (Sted) = SHO' + APS (vf) + IAO + RIN + ODA
 CARDIOCIRRHOSES (Sted) = SRI + ERD + SIR + OCA + HOC CLANGOUROUSNESS (?) = SUG + SON + ERA + NUL + SOC (vf)
 DACRYOLITHIASIS (Web2) = SHY + ITR + SIC + ALA + IOD GENERAL AMERICAN (OED) = NER + AME + CAN + ILE + RAG
 MADREPORIC PLATE (OED) = ECE + TIR + ARD + LOA + PPM (pts per million)
 MELANOKERATOSES (Sted) = SAN + ERA + SEL + OKE + TOM (= whore)
 MULTIPOLARITIES (Sted) = SRI + EAT + ILL + TOU + IPM (AmHer)
 PROPRIETARY NAME (BI) = ERR + MAP + ATO (vf) + NER + YIP
 REAPPORTIONMENT = TOP + NIP + ETA + MRE (Ch, Meals Ready to Eat) + NOR
 THE CRACKER STATE (OED) = ERR + TEC + AKE + TCH + SAT TO WATER ONE'S CLAY (OED) = YET + ANA + LOW + CRO + SET

15 letters to 5 + 5 + 5 Reverse

ZZZZZZZZZZZZZZZZ = ZZZZZ + ZZZZZ + ZZZZZ (all Pcon)

16 letters to 4 + 4 + 4 + 4 Reverse

ANESTHESIOLOGIST = TOSS + SLEE + IOHN (vf) + GITA (Ch, Bhagavad Gita)
 DEFENSIVE WEAPONS (BI) = SAVE + NEIF + OWSE + PEND
 TEMPERAMENTALIST = TAMP + STAM + INRE (vf) + LEET
 TO SELL ONE A PACKET (OED) = TANE + EPOS (poems) + KALO + CELT

17 letters to 5 + 4 + 4 + 4 Reverse

ENDOTHELIOSARCOMA (Sted) = ARITE (Pull) + MALO (Pull) + OSED (vf) + COHN (? , but anyway Continental terrorist family name)

18 letters to 6@3 Reverse (most in Pulliam)

ANTI-CHOLINESTERASE (OED) = ESH (vf) + SEC + ANI + RIT + ELN (vf) + TOA
 DURANTE BENEPLACITO (OED) = OPT + TEN + INA (Pull) + CER (Sted) + ABU (Web2) + LED
 FEDERAL RESERVE BANK (OED) = KRA + NER (vf) + ASE + BED + ERE + VLF (AmHer)
 NECRODIALOGISTICAL (OED) = LID + AGO + COR + ILC (vf) + TAE + SIN
 PHYSICOMATHEMATICS (Web2) = SEC + CHI + ITS + TAY + AMH (Cooper's Archaic Dict) + MOP
 SEROEPIDEMIOLOGIES (Sted) = SOP + EIE (vf) + IMO (Pull) + GER + ODE + LIS

21 letters to 7@3 Reverse

ADENOSARCORHABDOMYOMA (Sted) = ABA + MAS + OHO + YRN (vf) + MOE + OCD (TEA) + DRA (Pull)
 GYMNASTICS ASSOCIATION (BI) = NOT + OSS (to signify) + ISA (Ch, = Isaiah) + TAN + ASM (Ch) + ICY + CIG
 HAMARTOCHONDROMATOSES (Sted) = SOO (vf) + ERT (vf) + SDR (OED, Special Drawing Rights) + ONA (Pull) + TOM
 (prostitute) + AHA + MCH (Med)
 HIGHER NATIONAL DIPLOMA (BI) = ALN + MAR + ONE + LOH (vf) + PIG + ITI (OED) + DAH
 PACHYDERMOPERIOSTOSES (Sted) = SIE + ERD + SEY + OPH (vf) + TOC (vf) + SMA (vf) + ORP (Pull)
 PRESENTATION ASSISTANT (OED) = TST (Book of Interesting Words) + NAN + ANE + TOS (vf) + SIE + ITR (Pull) + SAP

24 letters to 8@3 Reverse

CERVICOOCULOACOUSTICALLY (Sted) = YUO (OED) + LOO + LCC (Lo) + AAI (Cooper's Archaic Dict) + COV (Ch, covariance) + ILR (Instrument Landing R?) + TUE (vf) + SCC (TEA)
 GASTROENTEROCOLOSTOMIZES (Sted) = SON + ELE (obs oil) + ZOO + ICR (Ch, Intelligent Ch Recog) + MOT (witty saying) + ORS (vf) + TEA + STG (Ch, sterling) [also ...IZED giving DON]
 NOT SEE THE WOOD FOR THE TREES (Ch) = SRH (Med) + EOT (Lo) + EFE (vf) + RDE (Med) + TOS (vf) + EOT (Lo) + HWO (vf) + TEN
 OFFER FINANCIAL ASSISTANCE (BI) = ESN (Ch, Educ Sub Normal) + CAI (Ch, Chinese root of sancai, or = Comp Asstd Instn) + NLF (Lo) + AAR (vf) + TIE + SCF (Ch, Save the Children Fund) + INF (ad inf) + SAO (Web2)
 PANCREATODUODENECTOMIZES (Sted) = SET + ENA (Tert Fauna or pname) + ZEE + IDR (?) + MOC (OSPD) + OUN (vf) + TDA (Med) + COP [plus 3 others, combining ...DENO/DENE... with ...IZED/IZES]

DOUBLES (FORWARD and REVERSE) — same word lengths

In this section, in order to extract words both forwards and backwards, every word extracted must be reversible. By "same word lengths", I mean for example that the same lengths of words, eg of lengths 5 and 4, are being extracted both backwards and forwards.

8 letters to 4 + 4 Forward and Reverse

ALLA-ALLA (Pcon) = ALAL (Hebrew basis of Elul, Jewish month) + LA-LA = ALAL (qv) + LA-LA
 BARMAIDS = BRAD + AMIS = SIMA + DARB (Pull) BLEARIER = BERE + LAIR = RIAL + EREB (Pull)
 BLUENESS = BUNS + LEES = SEEL + SNUB GEARLESS = GALS + ERES (obs ears) = SERE + SLAG
 GLUINESS (?) = GUNS + LIES = SEIL + SNUG GREATEST = GETS + RAET (vf) = TEAR + STEG
 PERSANTE (OED) = PRAT + ESNE = ENSE (Web2) + TARP PLAINEST = PANS + LIET (vf) = TEIL + SNAP
 PLEONASM = PENS + LOAM = MAOL (Gaelic basis of mull) + SNEP (vf)
 SEEMLIER = SELE + EMIR = RIME + ELES (vf)
 SOURNESS = SUNS + ORES = SERO + SNUS (Swedish basis of snush)
 STEEPEST = SEPS + TEET = TEET + SPES

9 letters to 5 + 4 Forward and Reverse

ASSESEES (W90-153) = ASSES + SESE (vf) = SESSA (Pull) + ESES (OSPD)
 ATTERNESS (OED) = ATRES (gen sing ATOR, JR Clark Hall, Concise Anglo-Saxon Dict) + TENS = SERTA (Web2) + SNET (OED)
 ATTORNEYS = ATRES (gen sing ATOR, JR Clark Hall, Concise Anglo-Saxon Dict) + TONY (vf) = SERTA (Web2) + YNOT (OED)
 GLOBEARD (vf) = GO BAD (Ch) + LEER = DABOG (Bl) + REEL
 RYE-FIELDS (Ch) = REILS (anatomy or obs rail) + YFED (OED) = SLIER + DEFY
 SEED-PEARL (OED) = SEPAL + EDER (OED) = LAPES (pl obs lap) + REDE
 SLEEKNESS = SEKES (obs seeks) + LENS = SEKES (qv) + SNEL
 SPAIRGEST (from obs sparge) = SARET (in Algeria, Times Atlas 1903) + PIGS = TERAS + SGIP (New Welsh Dict)
 SPEAKLESS = SEKES (obs seeks) + PALS = SEKES (qv) + SLAP
 STAINLESS = SANES (OSPD) + TILS (OSPD) = SENAS (vf) + SLIT
 STARRIEST = SARET (qv) + TRIS = TERAS + SIRT (vf)
 STEEPNESS = SEPES (= soaps, Scot Nat Dict) + TENS = SEPES (qv) + SNET (OED)
 STERNOIDS (Sted) = SENIS (Latin root of senate) + TROD = SINES + DORT
 STIRROPPE (vf) = SIRPE (vf) + TROP = EPRIS + PORT
 SWEETLESS (Web2) = SETES (vf) + WELS = SETES (vf) + SLEW
 SWEETNESS = SETES (vf) + WENS = SETES (vf) + SNEW (Web2)

10 letters to 4 + 3 + 3 Forward and Reverse

ABOMINATED = AMAD (OED) + BIT + ONE = DAMA + ENO (OED, proprietary laxative) + TIB
 DENATURANT = DART + ETA + NUN = TRAD + NUN + ATE
 DIARRHOEAL = DROL + IRE + AHA = LORD + AHA + ERI (vf)
 LATELINESS = LENS + ALE + TIS = SNEL (vf) + SIT + ELA (OED, musical note)
 LEGITIMATE = LIME + ETA + GIT = EMIL (pname) + TIG + ATE
 LINOLENATE = LONE + ILA (OED, Bantu) + NET = ENOL + TEN + ALI (vf or pname)
 MANIPULATE = MILE + APA + NUT = ELIM (place) + TUN + APA
 MATURENESS = MUNS (OSPD) + ARE + TES (vf) = SNUM + SET + ERA
 PALATINESS = PANS + ATE + LIS = SNAP + SIL + ETA
 PEDOMETERS = POTS + EME + DER = STOP + RED + EME
 STOWED AWAY (OED) = SWAY + TEW + ODA = YAWS + ADO + WET
 WATERINESS = WENS + ARE + TIS = SNEW + SIT + ERA

10 letters to 5 + 5 Forward and Reverse

ANIPELLIDAE (Web2) = AILIA (Indian district, Pcon) + NELDE (vf) = EDLEN (OED) + AILIA (qv)
 ASSOILLIED (? , OED assoil) = ASILE (vf) + SOLID = DILOS (dilo tree) + ELISA (pname)
 PLAYERLESS (ch) = PAELS (EDD) + LYRES = SERYL (Sted) + SLEAP (vf)
 STEAM POINT (OED) = SEMON (OED) + TAPIT (Pull) = TIPAT (vf) + NOMES (OSPD)

11 letters to 6 + 5 Forward and Reverse

OOLOOPOLOO = OLOOLO + OPOOO = OLOOLO + OPOOO (all Pcon)

11 letters to 4 + 4 + 3 Forward and Reverse

AMOBARBITAL = ABBA + MAIL + ORT = LIAM (vf or pname) + ABBA (OED garment or supertroupers) + TRO (vf)
 DEMODULATED = DOLE + EDAD (OED) + MUT = DADE + ELOD (Web2) + TUM
 DENATURANTS = DART + ETAS + NUN = SATE + TRAD + NUN
 DERIVOMETER (OED) = DIME + EVER + ROT = REVE + EMID (OED) + TOR
 LEGITIMATES = LIME + ETAS + GIT = SATE + EMIL (pname) + TIG
 METAKINESES (Sted) = MANE + EKES + TIS = SEKE (vf) + ENAM + SIT also METAKINESIS
 METAVANADIC (Web2) = MANI + EVAC (Sted) + TAD = CAVE + INAM (vf) + DAT
 REDECORATED = RERE + ECAD + DOT = DACE + ERER (vf) + TOD
 REMOTIVATES = ROVE + ETAS + MIT (vf) = SATE + EVOR (vf) + TIM
 SINOVAGINAL (Sted) = SOGA (Pull) + IVIL (vf) + NAN (= granny) = LIVI (vf) + AGOS (Pull) + NAN (qv)

12 letters to 3 + 3 + 3 + 3 Forward and Reverse

ANAEROBATION (Web2) = ART + NOI (Pull) + ABO (OSPD) + EAN = NAE (vf) + OBA + ION + TRA
 ECCLESIArchY = EER (e'er or vf) + CSC (AmHer) + CIH (?) + LAY = YAL (vf) + HIC (vf or Latin) + CSC (AmHer) + REE
 EPIDERMATOID = EET (vf) + PRO + IMI (Web2) + DAD = DAD + IMI (Web2) + ORP (Pull) + TEE
 FALSEHEARTED (Web2) = FER + AHT (vf) + LEE + SAD = DAS + EEL + THA + REF
 GLADIATORIAL = GIR (Pull) + LAI + ATA (Pull) + DOL = LOD (Web2) + ATA (Pull) + IAL (computer language, BI) + RIG
 LITHOPAEDION (Pull) = LOD (Web2) + IPI (Pull) + TAO + HEN = NEH (vf) + OAT + IPI (Pull) + DOL
 PANTALOONERY = PAN + ALE + NOR + TOY = YOT (Web2) + RON (OED, poem) + ELA (OED, Musical) + NAP
 PETTICOATERY = PIT + ECE (vf) + TOR + TAY = YAT + ROT + ECE (vf) + TIP
 PHALAENOPSIS = PAP + HES (vf or he's) + ANI + LOD (Web2) = DOL + INA (Pull) + SEH (vf) + PAP

12 letters to 4 + 4 + 4 Forward and Reverse

DECISION TREE (OED) = DIOR (vf) + ESNE (OED, class of slaves) + CITE = ETIC (OED) + ENSE (Web2) + ROID (Web2)
 LAMINARINASE (OED) = LIRA + ANIS + MANE = ENAM + SINA (Web2) + ARIL [also ...ANASE, giving ANAS (OSPD), mens SANA]
 LITERARINESS = LERE + IRIS + TANS = SNAT (OED) + SIRI (Pull or vf) + EREL (vf)
 MARINE ANIMAL (BI) = MIAM (vf) + ANNA (Indian coin) + REIL (vf) = LIER + ANNA (qv) + MAIM
 NEGATIVENESS = NAVE + ETES (vf) + GINS = SNIG + SETE (vf) + EVAN (vf)
 SAPONARINESS (OED) = SORE + ANIS + PANS = SNAP + SINA (Web2) + EROS
 SEPARATENESS = SATE + ERES (pl of ere = ear) + PANS = SNAP + SERE + ETAS
 SILICONONANE (Web2) = SINA (Web2) + ICON + LONE = ENOL + NOCI (Medical) + ANIS
 URETERITISES (Sted) = UTIS + RETE + ERIS (OED addenda) = SIRE + ETER (vf) + SITU
 UTEROVAGINAL = URAN (Web2) + TOGA + EVIL = LIVE + AGOT (vf) + NARU

13 letters to 5 + 4 + 4 Forward and Reverse

PALACE-COVERED = PACED + ACOR + LEVE = DECAP (Web2) + EVEL + ROCA (?)

15 letters to 3 + 3 + 3 + 3 + 3 forward and reverse (over 80% in Pulliam)

AREGENERATIVELY (Sted) = ANI + REV + ERE + GAL + ETY (Lo) = YTE (OED) + LAG + ERE + VER + INA (Pull)
 CHORIOADENOMATA (Sted) = COO + HAM + ODA + RET + INA (Pull) = ANI + TER + ADO + MAH (OED) + OOC (vf)
 IN A NATURAL STATE (BI) = ITS + NUT + ARA + NAT + ALE = ELA (OED) + TAN + ARA + TUN + STI (obs sty)
 PALAEOMERYCIDAE (Tertiary Faunas) = POC (vf) + AMI + LED + ARA + EYE = EYE + ARA + DEL + IMA (Sted) + COP
 PARAPERITONEALS (Sted) = PEN + ARE + RIA + ATL (vf) + POS (vf) = SOP + LTA (Lo) + AIR + ERA + NEP
 PARASITOLOGICAL = PIG + ATI (Pull) + ROC + ALA + SOL = LOS + ALA + COR + ITA (palm, OED) + GIP
 PSEUDOLAMINATED (Web2) = PON + SLA + EAT + UME (Pull) + DID = DID + EMU + TAE + ALS (Pull, vf) + NOP (OED)
 RADICATE VINEGAR (OED) = RAN + ATE + DEG + IVA (Pull) + CIR (AmHer) = RIC (vf) + AVI (video compression format) + GED + ETA + NAR
 REAPPORTIONMENT = RON (OED, obs) + ERM (vf) + ATE + PIN + POT = TOP + NIP + ETA + MRE (Ch, Meals Ready to Eat) + NOR
 WEATHERBOARDING (Web2) = WER + ERD + ABI (Ch, Assn Brit Insurers) + TON + HAG = GAH (OED) + NOT + IBA (Pull) + DRE (vf) + REW

15 letters to 5 + 5 + 5 Forward and Reverse

ZZZZZZZZZZZZZZZZ = ZZZZZ + ZZZZZ + ZZZZZ as before

15 letters to 8 + 7 Forward and Reverse

ZZZZZZZZZZZZZZZZ = ZZZZZZZZ + ZZZZZZZ = ZZZZZZZZ + ZZZZZZZZ as before

16 letters to 4 + 4 + 4 + 4 Forward and Reverse

ANSTRUTHER EASTER (in Fife, Scotland) = ARES + NURT + STEE + THAR = RAHT (vf) + EETS (eet = vf of eat, or Early Engl Text Soc) + TRUN (Web2) + SERA

18 letters to 6@3 Forward and Reverse

DISINDIVIDUALISING (The Electronic Alveary) = DIL (vf) + IVI (vf) + SIS + IDI (TAW or Med) + NUN + DAG = GAD + NUN + IDI (qv) + SIS + IVI (vf) + LID
 MALEYLACETOACETATE (Med) = MAC + ACE + LET + ETA + YOT + LAE (vf) = EAL (vf) + TOY + ATE + TEL (vf) + ECA (Ch, Econ Commission Africa) + CAM
 PANCREATOPEPTIDASE (Sted) = PAT + ATI (Web3) + NOD + CPA (accountant) + RES + EPE (vf) = EPE (vf) + SER + APC (Ch, Armoured Personnel Carrier) + DON + ITA (OED, palm) + TAP
 PICK A PERSON'S POCKET (Ch) = PEP + IRO (Lo) + CSC (AmHer) + KOK (vf) + ANE + PST = TSP (teaspoon) + ENA (Tert. Faunas) + KOK (vf) + CSC (AmHer) + ORI (Ch, Jap root origami) + PEP
 RADIOCHROMATOGRAMS (Sted) = RHO + ARG (vf) + DOR + IMA (Sted) + OAM (Web2) + CTS (Clear to Send, telecomms) = STC (short title catlg) + MAO (vf) + AMI + ROD + GRA (Web2) + OHR (Ch, Ger ear)
 STAPEDIOTENOTOMIES (Sted) = SIT + TOO + ATM (AmHer) + PEI (Ch, Greek pi) + ENE (vf) + DOS = SOD + ENE (vf) + IEP (Med) + MTA (Telecomms Dict 1991, R Scott Perry) + OOT + TIS
 TO CAST ASIDE ONE'S FEAR (OED) = TAN + OSE + CIS (Web3) + ADE (Web2) + SEA + TOP + BOT + AFS (Web2) + FDA

21 letters to 7@3 Forward and Reverse

ESOPHAGOSOPHAGOSTOMY (Sted) = EOG (?) + SEO (vf) + OSS (Pull) + POT + HPO (Ch, phosphorus compound) + AHM (EDD) + GAY = YAG (vf) + MHA (Ch, Member House of Assembly) + OPH (vf) + TOP + SSO (vf) + OES + GOE (vf)
 HAMARTOCHONDROMATOSES (Sted) + HCM (His Catholic Majesty or Highest Common Multiple) + AHA + MOT + ANO (Web2) + RDS (Sted) + TRE (vf) + OOS (vf) = SOO (Pull) + ERT (Pull) + SDR (OED) + ONA (Web2) + TOM + AHA + MCH (Med)
 INTERNATIONALISATIONS = IT'S + NIA (?) + TOT + ENI (vf) + RAO (OED) + NLN (family name, Pcon) + AIS (pl) = SIA (Sted) + NLN (qv) + OAR + INE (vf) + TOT + AIN + STI (vf)
 MICROMYELOBLASTICALLY (Sted) = MET + ILI (Pcon) + COC (vf) + RBA (Lo) + OLL (Ch, oll korrekt, possible source of OK) + MAL + YSY (obs Ysee) = YSY (qv) + LAM + LLO (New Welsh Dict) + ABR (TIG) + COC (vf) + ILI (Pcon) + TEM [also MACRO... with ALI (vf) and ILA (OED, Bantu)]
 PACHYDERMOPERIOSTOSES (Sted) = PRO + AMS (pl or Cooper's Archaic Dict) + COT + HPO (Ch, phosphorus compound) + YES + DRE (vf) + EIS (vf) = SIE + ERD + SEY + OPH (vf) + TOC (vf) + SMA + ORP
 SCINTICISTERNOGRAPHIC (Sted) = SIG + CSR (TEA) + ITA (OED, palm) + NEP + TRH (Ch, Their Royal Highnesses or hormone) + INI (king, Pcon) + COC (vf) = COC (vf) + INI (qv) + HRT (Ch, Hormone Replacement Therapy) + PEN + ATI (Web3) + RSC (Ch, Royal Shakespeare Coy) + GIS (vf) [also ...PHED with INE (vf), COD, DOC, ENI (vf)]
 STEREOENCEPHALOMETERS (Sted) = SNO (vf) + TCM (Telecomms Dict 1991, R Scott Perry) + EEE (EDD) + RPT (Ch, repeat) + EHE (vf) + OAR + ELS = SLE (vf) + RAO (OED, title) + EHE (vf) + TPR (Ch, teleprinter) + EEE (EDD) + MCT (Med) + ONS

24 letters to 8@3 Forward and Reverse

NOT SEE THE WOOD FOR THE TREES (Ch) = NET + OWH (vf) + TOE + SOT + EDR (?) + EFE (vf) + TOE + HRS (AmHer) = SRH (Med) + EOT (Lo) + EFE (vf) + RDE (Med) + TOS (vf) + EOT (Lo) + HWO (vf) + TEN

DOUBLES — mixed word lengths**12 letters to 6 + 6 Reverse and 3 + 3 + 3 + 3 Forward**

ENDARTERIALS = SARTAN (vf) + LIERDE (vf) = ERI (vf) + NTA (Ch, National Training Award) + DEL + ARS (OED pl or vf)

12 letters to 4 + 4 + 4 Forward and 3 + 3 + 3 + 3 Forward

BIFOLLICULAR = BOIL + ILCA (vf) + FLUR (vf) = BLU (vf) + ILL + FIA (vf) + OCR (Lo)
 DECEREBRATES (Sted) = DEBT + ERRE (vf) + CEAS (vf) = DRA (Pull) + EET (vf) + CBE (Ch) + ERS
 DECISION TREE = DIOR (vf) + ESNE + CITE = DST (Ch, = hadst) + EIR (vf) + COE + INE (vf)
 DYNAMOMETERS = DAME + YMER (Lo) + NOTS = DMT (Web3 addenda word, W72-027) + YOE (Web2) + NMR (scanner) + AES (pl æ)
 MYSAUENTROUS (vf) = MANO + YUTU (Web2) + SERS (OSPD) = MUR + YEO + SNU (OED) + ATS (pl at)
 PITAHUIRATA (Web2) = PAUA + IHIT (vf) + TARA (fern) = PHR (= phrase) + IAA (vf) + TUT + AIA (Web2)
 SAMARITANESS (?) = SATE + ARAS + MINS (minutes) = SRN (State Regd Nurse) + AIE (vf) + MTS (abbr mountains) + AAS (vf)
 SEPARATENESS = SATE + ERES (pl of ere = ear) + PANS = SRN (State Regd Nurse) + EAE (vf) + PTS (pints) + AES (pl æ)
 THREE ESTATES (OED) = TEST + HETE + REAS (pl OED) = TEA + HET + RSE (Lo) + ETS (OED pl)

12 letters to 4 + 4 + 4 Forward and 3 + 3 + 3 + 3 Reverse

BESO LAS MANOS (Ch) = BOSN + ELMO (St. Elmo's Fire) + SAAS (Ch, Old Fr basis for sift) = SMO (Snr ed Offr) + OSS (= presage) + NAE + ALB
 GLORIOUSNESS = GRUE + LISS + OONS = SSR (radar or USSR) + SUO (vf) + EOL (vf) + NIG
 OSCULATORIES = OUTI (BI) + SLOE + CARS = SOU + ETC + IAS (vf) + RLO (Ch, Returned Letter Office)
 PITAHUIRATA (Web2) = PAUA + IHIT (vf) + TARA = AIA (= ayah, vf) + TUT + AAI (Cooper Archaic Dict) + RHP (AmHer)
 PROSIPHONATE = PSHA + RIOT + OPNE (vf) = EOS (Sted) + THO + APR (April or Annualised Percentage Rate) + NIP
 RESOLUTIONER = ROTN (Pull) + ELIE (place or E de Beaumont, Fr geologist) + SUOR (vf) = RIO (vf) + ETS (OED pl) + NUE + OLR (vf)
 SECOBARBITAL = SORT + EBBA (vf) + CAIL (vf) = LBO (Lo) + ARC + TAE + IBS (= ibidem or Irritable Bowel Syndrome)
 SEROPHTHISIS (Web2) = SOTS + EPHI (vf) + RHIS (Greek nose hence Rhinology) = SHO (OED, = sure) + ITR (Pull) + SHE + IPS (Web3 word)
 UTEROGESTATE (Sted) = UREA + TOST + EGTE (obs eight) = ESR (?) + TEE + AGT (obs aught) + TOU

12 letters to 4 + 4 + 4 Reverse and 3 + 3 + 3 + 3 Forward

DETERIORATED = DAIT (vf) + ERRE (vf) + TOED = DRA (Pull) + EIT (vf) + TOE + ERD [also ...ATES with SAIT (vf) and ERS]
 DYSARTHROSES (Sted) = SOTS + ERRY (vf) + SHAD = DRO (vf) + YTS + SHE + ARS
 MESARTERITIC = CITS (pl, OED) + IRRE (vf) + TEAM = MRI (scanner) + ETT (vf) + SEI + ARC [also ...ITIS with SITS and ARS]
 NASOSPINALES (Sted) = SAPS + ENSA (vf) + LION = NSA (US Nat Security) + APL (Web2) + SIE + ONS
 PALAEOETHNIC = CHOL + ITEA (Web2) + NEAP = PEH (vf) + AON (Lamprière Classical Dict) + LEI + ATC (Lo)
 SEPARATENESS = SNAP + SERE + ETAS = SRN (State Regd Nurse) + EAE (vf) + PTS (pints, points) + AES (pl of æ)
 SULPHOACETIC = CEOL (Old Eng keel) + ICHU + TAPS = SHE + UOT (OED) + LAI + PCC (Lo)

12 letters to 3 + 3 + 3 + 3 reverse, and 4 + 4 + 4 forwards and reverse

PARAMEDICALS = SIA (Sted) + LDR (eg Sqn Ldr) + AEA + CMP (?) = PADA + AMIL + RECS (OSPD) = SCER (vf) + LIMA + ADAP (vf)

SUPERARBITER = RBE (Relative Biol. Effect.) + ERP (EDD) + TAU + IRS (friend to US taxpayers) = SERT + URBE (eg ab urbe condita) + PAIR = RIAP (EDD) + EBRU (vf) + TRES

MULTILEVEL EXAMPLES**11 letters to 6 + 5, then to 3 + 3 + 3 + 2**

BURRAMYIDAE (Longmans Animal Encyclo) = BRAYDE (vf) [= BAD + RYE] + URMIA (BI) [= UMA (vf) + RI]

CELLOBIOSSES (?) = CLOISS (vf) [= COS + LIS] + ELBOE (vf) [= EBE (Times Atlas of the World) + LO]

CELLOBIOSUS (Sted) = CLOISS (vf) [= COS + LIS] + ELBOU (vf) [= EBU (Coptic root of ivory or Eur Broadcasting Union) + LO]

DEERBERRIES (?) = DEBRIS [= DBI (?) + ERS] + ERERE (Kurath, Middle English Dict) [= EEE (EDD) + RR (Rt Rev or Rolls Royce)]

OOLOOPOOLOO = OLOOLO [= OOL (vf) + LOO] + OOPOO [= OPO (vf) + OO (vf)] For palindromes, see Pcon

PRE-ORDAINED = PERAND (OED) [= PRN (pro re nata) + EAD (Old Eng wealth)] + RODIE (OED) [= RDE (Med) + OI (OED)]

SPALLATIONS (Sted) = SALTOS (pl gymnastic leap) [= SLO (vf) + ATS (law: at the suit of OR Aux Territorial Service) + PLAIN [= PAN + LI]

11 letters to 6 + 5, then to 3 + 3 + 3 + 2 reverse

DENTULOUSLY (Sted) = YSOUND (vf) [= DUS (vf) + NOY] + LULTE (vf) [= ELL + TU]

OOLOOPOOLOO as above, so **the only reversible multilevel example found**

SLANTIN PASS (BI) = SANTAS [= STA (vf) + ANS (vf)] + SPINL (vf) [= LIS + NP (nisi prius)]

TENDER YEARS (OED) = SAYENT (vf) [= TEA + NYS (vf)] + RERDE (vf) [= ERR + DE]

12 letters to 6 + 6, then to 3 + 3 + 3 + 3 reverse

ENDARTERIALS (Sted) = SARTAN (vf) [= NTA (Nat Tng Award) + ARS (OED pl or vf)] + LIERDE (vf) [= ERI (vf) + DEL]

MULTIPLE and MULTILEVEL

15 letters: XXXXXXXXXXXXX: 8 + 7 forwards (then to 4 + 4 + 4 + 3), 8 + 7 reverse, 3 @ 5 forwards, etc

12 letters: ENDARTERIALS: 6 + 6 reverse, 3 + 3 + 3 + 3 forwards, and multilevel

11 letters: OOLOOPOOLOO: 6 + 5 forward, 6 + 5 reverse, and multilevel