TWIN PLACES AND OTHER TOP ANAGRAMS

REX GOOCH

Letchworth Garden City, Herts, England rexgooch@ntlworld.com

The trigger for this article was finding a twin for a town mentioned by Darryl Francis (in the sense that one, El Canbaro, was a permutation of the letters of the other, Barcelona, W03-277). I thought it might be amusing to see how many twin places existed, as it seemed to be as good a basis for town twinning as the reasons often given for these excuses for mayoral junketing. I was overwhelmed: more than one third (about three-quarters of a million) of all places participate in twins, but also nearly a quarter of a million exist in triplets, and so on. The most permutable sequence of letters can be arranged into 54 different places, the next into 53 places, and so on. In alphomic form, the sets are: 54 places for AEILMS; 53 places for AAIKRS; 52 places for AAIMRT, AAINRT, AEIMNS, AEIMRS, and AEINST; and 51 places for AAGINR and AEILMR. Note that an A and an I always occur, together with an A or E, and frequently letters from R, S and T. The S is of course useful for plurals or conjugation of verbs, as are letters to make the endings -OR, -ER, -ING etc, and prefixes such as A-, and UN-. Note also that all cases have exactly six letters, which was not a restriction imposed by me. Longer sequences would seem, in theory, to give more scope for longer endings, such as -ING or -NESS, and prefixes like ANTI-; but it may be that shorter words contain a greater mixture of letters. The full sourcing for the 54 case is given below, and the cases with 53 and 52 forms are given in compact form to save space (but see next section for AEINST).

54 places for AEILMS or ISMAEL

Alisem, Turkey, 37°58, 40°58

Elmasi, Albania, 41°10, 19°36

Ezbet Ibrahim 'Abd el-Sami, Egypt, 29°33, 30°57

Mohammad Sheykh ol Eslami, Iran, 36°38, 51°25

Ilemas, Russia, 56°38, 50°37

Laem Si, Thailand, 9°23, 99°19

Lamesi, Bosnia and Herzegovina, 44°38, 18°39

Arbet Lemais, Western Sahara, 21°23, -16°50

Lem Sai, Thailand, 9°23, 99°19

Monte Lesima, Italy, 44°41, 9°15

Limaes Point, Angola, -13°15, 12°39

Pulau-pulau Maisel, Indonesia, -5°29, 127°32

Malesi, Croatia, 43°44, 16°45

Maseli, India, 20°47, 80°26

Masile, Philippines, 14°48, 120°49

Sungai Melais, Brunei, 4°50, 114°59

Sidhirodhromikos Stathmos Melias, Greece, 39°33, 22°35

Mesali, Dem. Rep. of the Congo, 3°04, 21°17

Eripia Ano Mileas, Greece, 40°14, 22°16

Misale, Dem. Rep. of the Congo, -3°31, 17°38 Comuna Mislea, Romania, 45°05, 25°49

Salemi Nargay, Afghanistan, 33°46, 69°31

Dar Amesil, Morocco, 29°19, -10°06

El-Mi'sa, Jordan, 31°27, 35°41

Bab Emsila, Morocco, 35°13, -5°34

Esmali Sai, Afghanistan, 36°18, 64°56

Ismael Pinto, Colombia, 8°42, -76°19 Rio Laisme, Venezuela, 8°50, -63°46

Oued oua-n-Leimas, Algeria, 28°44, 6°55

Lemasi, Greece, 38°12, 23°50

Lemsia, Georgia, 43°01, 42°40

Les Liames, France, 46°33, 1°57

Maesil, South Korea, 34°43, 125°56

Maleis, Sudan, 6°31, 29°52

Maseil-seil, Philippines, 15°55, 120°53

Masiel, Cameroon, 3°27, 12°36

Meisal Lake, Norway, 62°46, 8°10

Mesila, Finland, 63°45, 26°57

Isla de Misael, Colombia, 7°20, -77°19

Miseal, Ireland, 52°41, -6°46

Mseila, Algeria, 34°35, 4°34

Salime, Spain, 43°13, -6°50

S3 places from KAISAR or AAIKRS AIKSAR AKASRI AKRIAS AKSAIR ARASKII ASARKI ASAKRI ASAKRIA ASAKRIA ASAKRIA ASAKRIA SIRAK ASKIRA ASKRIA ISARAK ISKARA KAISAR KARASI K	Sameli, Ghana, 8°09, -2°01 Gor Selami, Western Sahara, 26°23, -10°37 Sungai Semail, Malaysia, 3°11, 103°04 Semlia, India, 24°30, 74°22 Silema, Sierra Leone, 8°22, -11°05 Sliema Point Tower, Malta, 35°54, 14°30				Phumi Samlei, Cambodia, 10°57, 106°01 Mallahet 'Ugret Selima, Egypt, 31°09, 33°05 Semali, Indonesia, -7°29, 110°10 Silame, Guinea, 11°41, -11°56 Es-Slemia, Libya, 32°37, 12°17 Pointe Smaile, Vanuatu, -16°38, 168°14			
52 places from AIRTAM or AAIMRTAIR-TAMAIT MARAMARITAMARTIAMIRATAMRATIARAMATIARAMATIARAMATIARAMATIARAMATIARAMATIARAMATIARAMATIARAMATIARAMATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAMARATIAARATIAIRATIMARATIMARATIMARATIMARATIMARATIMARATIMARATIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMATARIMAARANITARANITARANITARANITARANITARANITARANITARANITARANITAARAN	AIKSAR ASAKRI KARASI KASRIA RAISKA SAKAIR SARKAI	AKASRI ASIRAK KARIAS KIASAR RAKASI SAKARI SIARAK	AKRIAS ASKIRA KARISA KIRASA RAKISA SAKIRA SIKARA	AKSAIR ASKRIA KARSIA KISARA RASIKA SAKRAI SKARAI	ISARAK KASAIR KRASAI RASKAI SARAIK SKARIA	ISKARA KASARI KSAIRA SAIKAR	KAISAR KASIAR RAASKI SAIKRA	KARAIS KASIRA RAIKAS SAIRAK
AIR-TAM AIT MAR AMARIT AMARTI IMATAR IMATAR IRMATA IRMATA IRMATAT IMATAR IMATAR IRMATA IRTAMA MATTRA MARATI MATARA MIRATA RAMITA RAMITA RAMITA RAMITA TAIMAR ARANTI ARATIAN TAIMAR TA								
IMARAT IMATAR IMATRA IRMATA IRTAMA MAITRA MARAIT MARATI MARIAT MARTIA MARTIA MARTIA MARTIA MATARI MATARI MATARI MATRAI ARAMITI ARAMITI ARAMITI ARAMITI ARAMITI TARIMA TARAMI TARAMI TARAMI TARAMI TARAMI TARAMI ARTIAN ARTINA ARTINA ATARNI INATRA INATRAI INATRA INTARA NAIRAT NARIAT NARIAT NARIAI NATRAI INATRA NITARA NAIRAT NARIAI TARANI TAR					AMIRAT	AMRATI	ARAMTI	ARIMAT
MARIAT MARITA MITARA MARATIA MRATIA MTAIRA RAITAM RAMATI RAMIAT RAMIAT RAMIAT RAMIAT RAMIAT RAMIAT RAMIAT TAIRMA TAIRMA TAIRMA TARAMI ARTIAN ANATIR ANTARI ANTARA NATIRA NARIAT NARIAT NARITA NARTIA NATIRA NIARA NIARA NIARA NIARA NIARA NIARA NATARA NIARA NIARA NATARA NIARA NIARA NATARA NIARA NATARA NIARA NATARA NATARA NATARA NATARA NATARAMI TARAMI TARA	CONTRACTOR OF THE PARTY OF THE							
MIATRA MIRATA MITARA MITRAA MRAIAT MRATIA MTAIRA RAITAM RAMATI RAMIAT RAMIAT RAMITA RAMITA RATIMA TIARAM ANATIR ANTARI ANTIRA ARANIT ARTIAN ARTIAN ARTIAN ATARAI ANTIRA ATANI ARTIAN ATRAI INATRA INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NIARAT NARIA NATIRA NITARA NITARA NTARIA RATINA RATINA RATINA RATINA TARINA TARINA TARINA TARINA TARIAN TARIAN TARINA TARIAN TARIA								
RAMATI RAMIAT RAMITA RAMITA TAIRMA TAIRMA TARAMI TARAMI TARAMI TAIRMA TAIRMA TAIRMA TARAMI TARAMI TARAMI TARAMI TIARAM TIARAM TIMARA TRAI MA TRAMAI 52 places from AIRTAN or AAINRT AIRTAN ANATIR ANTARI ANTIRA ARANIT ARITAN ARNAIT ARITAN ARTIAN TARANI TA		Charles and the same						
TIARAM TIMARA TRAI MA TRAMAI 52 places from AIRTAN or AAINRT AIRTAN ANATIR ANTARI ANTIRA ARANIT ARITAN ARNAIT ARNITA ARTANI ARTIAN ARTINA ATARNI ATNAIR ATRAIN ATRANI IANTAR INARAT INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NIARTA NITARA NTARIA NTIARA RAINTA RANATI RANITA RANTAI RATANI RATINA RATNAI RATNIA TARANI TARANI TARANI TANRAI TARANI TARIAN TRIANA TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MASENI MASINE MISANE NAMEIS NAMESI NAMIES NASIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SENAMI SIMENA SIMENA SIMENA SIMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE SAMINE SIMENA SIMENA SERIMA SERIMA SERIMA IMSERA MEISAR MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MAISER MAISRE MARIES MARISE MASERI MESRAI MESRA MEISAR MISARE MISRA MERISA MESIRA MESRAI MESRIA MISARE MISARE MAISRE MARIES MARISE MASERI MESRA MEISAR MISARE MISRA MERISA MESIRA MESRAI MESRIA MISARE MISARA MISARE MISRA MERISA MASIRE RAMESI REMASI REMISA RIBERA MISARE MISERA MREISA MASIRE RAMESI REMASI REMISA RIBERA SAIRME SAMERI SAMIRE SAMIRE SAREMI SERMAI SEMIAR SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SEMIAR SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA								RIMATA
S2 places from AIRTAN or AAINRT AIRTAN ANATIR ANTARI ANTIRA ARANIT ARITAN ARNAIT ARNITA ARTANI ARTIAN ARTINA ATARNI ATNAIR ATRANI ATRANI IANTAR INARAT INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NIARTA NITARA NTARIA NTIARA RAINTA RANATI RANITA RANTAI RATANI RATINA RATNAI RATNIA TARANI TAIRAN TANAIR TANARI TANRAI TARANI TARIAN TARINA TARNAI TIANRA TIARAN TINARA TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MASENI MASINE MISANE NAMEIS NAMESI NAMIES NAMISE NASIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIMENA SIMENA SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE MARISE MASERI MASIRE MEIRAS MEISAR MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MAISER MAISRE MERISA MESIRA MESRAI MESRIA MIASER MISERA MISARE MISRA MERISA MESIRA MESRAI MESRIA MIASER MISERA MISARE MISERA MERISA MASIRE RAMESI REMISA MIASER MISARE MISERA MERISA MASIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA SEMIRA SERMIA SERAMI SERIMA SERMAI SERMIA SIMARE SIMERA	TAAMIR	TAIMAR	TAIRMA	TAMIRA	TARAMI	TARIMA	TARMAI	TIA-MAR
AIRTAN ANATIR ANTARI ANTIRA ARANIT ARITAN ARNAIT ARNITA ARTANI ARTIAN ARTINA ARTINA ATARNI ATNAIR ATRAIN ARTIAN ARTIAN INARAT INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NIARTA NITARA NTARIA NTIARA RAINTA RANATI RANITA RANTAI RATANI RATINA RATNAI RATNIA TARIAN TARIAN TANAIR TANARI TANRAI TARANI TARIAN TRAINA TRAINA TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS MANSIE MASEIN MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MIANES MINSAE MISANE NAMEIS NAMIES NAMIES NAMIES NASIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SENAMI SENAMI SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MESARI MESARI MISARE MISRA MERISA MESIRA MESRAI MESRIA MISERA MEISAR MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIBERA SIMEAN SIERA MERAIS MESARI MESIRA MESRIA MISERA MISERA MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISAR SEMIRA SERMI SERMI SERMI SERMI SARIME SEMARI SEMIAR SEMIRA SERMI SERMI SERMI SERMI SARIME SEMARI SEMIAR SEMIRA SERMI SERMI SERMI SERMI SERMIA SEMIAR	TIARAM	TIMARA	TRAI MA	TRAMAI				
AIRTAN ANATIR ANTARI ANTIRA ARANIT ARITAN ARNAIT ARNITA ARTANI ARTIAN ARTINA ARTINA ATARNI INARAT INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NIARTA NITARA NTARIA NTIARA RAINTA RANATI RANITA RANTAI RATANI RATINA RATNAI RATNIA TARINA TARNAI TARANI TANRAI TARANI TARIAN TARIAN TARINA TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS MAINES MAISEN MANESI MANIES MANIES MANIEM MASENI MASENI MASINE MEISAN MENISA MENSIA MESANI MESAN MESINA MIANES MINSAE MISANE NAMEIS NAMIES NAMIES NAMIES NASIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SENAMI SENAMI SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE MARIES MARISE MASIR MESANI SIMEAN SIMENA SINMAE SMAINE 54 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE MARIES MARISE MASERI MESANI MISERA MISER MARIES MARIES MARISE MASERI MESANI MISERA MISERA MERISA MESIRA MESRAI MESRIA MISERA MISERA MERAIS MESARI MESIRA MESRAI MESRIA MISERA MISERA MERAIS MESARI MESIRA MESRAI MESRIA MISERA MISERA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISAR SEMIRA SERMI SERMI SERMI SERMI SARIME SEMARI SEMIAR SEMIRA SERMI SERMI SERMI SERMI SERMIA SIMARE SIMERA SEMIRA SERMI SERMI SERMI SERMI SERMIA SEMIAR	52 places f	from AIRT	AN or AAIN	RT				
ARTANI ARTIAN ARTINA ATARNI ATNAIR ATRAIN ATRANI IANTAR INARAT INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NATIRA NITARA NITARA NTARIA NTIARA RAINTA RANATI RANITA RANTAI RATANI RATINA RATNAI RATNAI TARANI TIANAA TRAIAN TARAIN TA	The second second second				ARANIT	ARITAN	ARNAIT	ARNITA
INARAT INATRA INTARA NAIRAT NARIAT NARITA NARTIA NATIRA NIARTA NITARA NTARIA NTIARA RAINTA RANATI RANITA RANTAI RATANI RATINA RATNAI RATNIA TARANI TARANI TANARI TANRAI TARANI TARIAN TARINA TARNAI TIANRA TIARAN TINARA TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAINES MAISEN MANESI MANIES MANISE MASEIN MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIMENA SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIER SAREMI SERMAI SEMARI SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMAI SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMAI SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA								
NIARTA NITARA NTARIA NTIARA RAINTA RANATI RANTI RATINA RATINA RATNAI RATNAI RATNAI RATNAI TARANI TARANI TARANI TARANI TARANA TIARAN TIARAN TIARAN TIARANA TIRANA TRAIAN TRAINA TRAIAN TRAIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAISE MAISEN MANSIE MASEIN MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MESINA MISAENI NAMESI NAMISE NAMISE NASIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SENAMI SIAMEN SIMANE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARIES MASERI MASIRE MEIRAS MEISAR MEISAR MEISAR MESARI MESIA MESARI REMISA RIMESA SAIRME SAMERI SAMIER SAMIER SAMIER SAMIER SAMIER SAMIER SAMIER SAMIER SEMIAR SEM								
TANRAI TARANI TARIAN TARINA TARNAI TIANRA TIARAN TINARA TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAINES MAISEN MANESI MANIES MANISE MANSIE MASEIN MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIAMEN SIMANE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	NIARTA	NITARA	NTARIA	NTIARA	RAINTA	RANATI	RANITA	RANTAI
TIRANA TRAIAN TRAINA TRIANA 52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAINES MAISEN MANESI MANIES MANISE MASEIN MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESNIA MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENMAI SIAMEN SIMANE SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	RATANI	RATINA	RATNAI	RATNIA	TAARIN	TAIRAN	TANAIR	TANARI
52 places from AMIENS or AEIMNS AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAINES MAISEN MANESI MANIES MANISE MANSIE MASEIN MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESINA MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIAMEN SIMANE SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	TANRAI	TARANI	TARIAN	TARINA	TARNAI	TIANRA	TIARAN	TINARA
AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAINES MAISEN MANESI MANIES MANIE MASEIN MASENI MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESNIA MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIMENA SERIMA ERIMAS ERISMA IMSERA MAISER MAISER MARIES MARIES MASERI MASIRE MEIRAS MEISAR MESRAI MESRAI MESRAI MESRAI MESRAI MESRAI MISERA MISERA MISERA MISERA MESIRA MESRAI MESRAI MESRAI MESRAI REMISA RIMESA SAIRME SAMERI SAMIER SAMIER SAMIER SAMIER SAMIER SARIME SERMAI SERMAI SERMAR SIMERA SIMERA	TIRANA	TRAIAN	TRAINA	TRIANA				
AMIENS ANSEMI ASMINE EIMANS EMINAS IMENAS IMESAN ISMENA MAENSI MAINES MAISEN MANESI MANIES MANIE MASEIN MASENI MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESNIA MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIMENA SERIMA ERIMAS ERISMA IMSERA MAISER MAISER MARIES MARIES MASERI MASIRE MEIRAS MEISAR MESRAI MESRAI MESRAI MESRAI MESRAI MESRAI MISERA MISERA MISERA MISERA MESIRA MESRAI MESRAI MESRAI MESRAI REMISA RIMESA SAIRME SAMERI SAMIER SAMIER SAMIER SAMIER SAMIER SARIME SERMAI SERMAI SERMAR SIMERA SIMERA	52 places f	from AMIE	NS or AEIN	INS				
MASENI MASINE MEISAN MENISA MENSIA MESANI MESINA MESNIA MIANES MINSAE MISANE NAMEIS NAMESI NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENMAI SIAMEN SIMANE SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	The second secon		a manufact construct a second		EMINAS	IMENAS	IMESAN	ISMENA
MIANES MINSAE MISANE NAMEIS NAMESI NAMIES NAMISE NA SIEM NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIAMEN SIMANE SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESRAI MESRAI MESRAI MIASER MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIER SAMIER SARIME SEMARI SEMIAR SEMIAR SEMIAR SERIAM SERIAM SERIMA SERMIA SIMARE SIMERA	MAENSI	MAINES	MAISEN	MANESI	MANIES	MANISE	MANSIE	MASEIN
NEMASI NE SIMA SAIMEN SAMEIN SAMENI SAMIEN SANIME SAN-MEI SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIAMEN SIMANE SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MESRAI MESRAI MESRAI MESRAI MISERA MISERA MISERA MREISA MISERA MISERA MREISA MISERA MISERA MISERA MREISA MISERA SAIRME SAMERI SAMIER SAMIER SAREMI SARIME SEMARI SEMIAR SEMIAR SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	MASENI	MASINE	MEISAN	MENISA	MENSIA	MESANI	MESINA	MESNIA
SEINAM SEINMA SEMANI SEMIAN SENAMI SENAMI SIAMEN SIMANE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	MIANES	MINSAE	MISANE	NAMEIS	NAMESI	NAMIES	NAMISE	NA SIEM
SIMEAN SIMENA SINMAE SMAINE 52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	NEMASI	NE SIMA	SAIMEN	SAMEIN	SAMENI	SAMIEN	SANIME	SAN-MEI
52 places from MARIES or AEIMRS AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA		SEINMA	SEMANI	SEMIAN	SENAMI	SENMAI	SIAMEN	SIMANE
AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	SIMEAN	SIMENA	SINMAE	SMAINE				
AM SERI ARMEIS ARMISE ASERIM ERIMAS ERISMA IMSERA MAIERS MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	52 places	from MADI	ES or AFIN	/DC				
MAISER MAISRE MARIES MARISE MASERI MASIRE MEIRAS MEISAR MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIMA SERMAI SERMIA SIMARE SIMERA	The second second				FRIMAS	EDICMA	IMSEDA	MAIDDO
MEISRA MERAIS MESARI MESIRA MESRAI MESRIA MIASER MIERAS MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA								
MISARE MISERA MREISA MSAIRE RAMESI REMASI REMISA RIMESA SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA	E LES TENES LESSON							
SAIRME SAMERI SAMIER SAMIRE SAREMI SARIME SEMARI SEMIAR SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA					and the second second			
SEMIRA SERAMI SERIAM SERIMA SERMAI SERMIA SIMARE SIMERA			and the second second					
CIP 1 - CONTINUE DESCRIPTION D								
	SIRAME					~~~~		DIVIDICI

Unrestricted Permutations

The next natural step was to ask what would happen if all words were allowed. The results were that 60% of all words had no twin. The top result was 84 different permutations of AEINST (which is kinder to call TISANE, a word in all good dictionaries, and 3= in place names); 80 each for NASTIER (or AEINRST, the Francis sequence) and SATIRE (AEIRST); 77 of REGAIN (AEGINR); 74 of GENIAL (AEIGLN) and ANGRIEST (AEGINRST, the Borgmann/Grant sequence); 73 of AMIENS (AEIMNS, 3= in place names) and ARSINE (AEINRS); 72 of DENIAL (ADEINL); 71 of RAINED (ADEINR); 70 of SALINE (AEILNS); and 68 of ISMAEL (AEILMS, the top sequence for place names).

For the first time, there is a sequence of other than six letters, ie the seven of NASTIER. A, E, and I are always present, and RST are popular. Full sourcing is given for TISANE, but sources in the last two cases are not given in detail if the words come from the NIMA database, which is usually the case. The top case, TISANE, is also one of the "52" cases which should have appeared above: I have given both place and non-place sources here, so that the one list serves both purposes.

84 words for AEINST or TISANE (including 52 place names, and 29 words from the OED, with some words in both categories)

aienst, OED arm 3a, 1489q

Aniste, Bosnia & Herzegovina., 44°41, 19°14

Anstie (name), OED cavendish 1, 1844q

Asinet, Chad, 12°33, 16°29

Anesti, Ukraine, 46°23, 29°27 Anites, Latvia, 56°29, 23°02

aseint, OED

ASNITE = Accreditation System of National Institute of Technology and Evaluation, Japan, (eg) www.nite.go.jp/asse/asnite/en/outlines/asnite outlins.html

Astein, Austria, 47°43, 14°28

Eastin, US Census personal name

Eistan, Norway, 70°15, 19°32

Astine, China, 42°55, 93°08 eat-ins, OED -in, 1965q

Enista AB (Swedish corp.), www.carlbro.com/archive24.php (& family name, US, on Web)

Enitsa, Bulgaria, 43°23, 24°04

The Doctrines of Alchemy: Signatures, Correspondences, Entias... www.alchemilla.com/aref.html Esta'in, Iran, 37°06, 57°05; or estain, OED stannum (Old French), or US Census personal name

Estani, Bolivia, -11°38, -65°43

Etinas Island, Philippines, 13°52, 123°52

Ietans, OED snake 8, 1821q

inseat, OED

Itesan, Niger, 13°53, 5°13

neista, OED next

Saiten, Germany, 47°41, 10°16

sanite, OED

Santie, Ghana, 10°37, -2°05; santie, OED santy

Sa-tien, China, 32°33, 117°31

seiant, OED

Seitan, North Korea, 37°58, 125°56

Senita, Sierra Leone, 9°13, -12°35; senita cactus, ITIS plant Sentai, Indonesia, 0°58, 109°49

Setani, Indonesia, -2°06, 138°35

Setina, Greece, 40°52, 21°38; Carex maritima setina, ITIS plant Horaichthys setnai nigrellus, ITIS animal

Sintea Mica, Romania, 46°25, 21°36

Estian, OED strain 6a, 1688 (Dryden)

Iantes, OED felloe, 1611q I-n-Ates, Niger, 15°14, 1°19

Povoa de Isenta, Portugal, 39°13, -8°45

nastie, OED nasty 1a, 1576q sainte, OED bequeath, 1066q

Phou Pha Saniet, Laos, 20°04, 103°58 Santei, South Korea, 34°36, 126°59 Sateni Nar, Pajistan, 34°38, 75°02

satine, OED satiné

Tug Seinat, Somalia, 11°06, 47°28 Argoub Seniat, Algeria, 28°01, 4°45

Sentia, Ghana, 10°37, -2°05

Sint'ae-ri, North Korea, 40°27, 128°00

Sitane, Ghana, 10°52, -0°26

Sitena, Albania, 39°48, 20°14

staine, OED

Valea Stanei, Romania, 47°33, 25°11

stanie, OED stoney

Steina, Iceland, 64°41, -14°38; steina, OED stain (Old Norse)

Genus Stenia, Family Orchidaceae, monocot, PS stîæn, OED stone (North Frisian)

Taesin, South Korea, 35°53, 126°52

taines, OED taine

staien, Hodge

Taisen, North Korea, 39°55, 125°29; taisen, OED teise 1, 1330q

Piton Taisne, French Southern and Antarctic Lands, -49°19, 70°01

Tanies Tba, Georgia, 42°38, 45°00

Tanise, Vanuatu, -15°10, 168°06

Tansie, Burkina Faso, 10°49, -3°16; tansie, OED silverwort, 1611q

Tasien, Burkina Faso, 11°03, -1°42

Tasnei Mountain, Canada, 62°10, -129°40

Teian, OED Teian, 1902q

Teisan, South Korea, 36°24, 126°56

Tenisa, Spain, 27°54, -15°30

Tesani, Bosnia and Herzegovina, 43°42, 18°22

Tesina Glavica, Bosnia & Herz., 44°43, 17°35

tineas, OED tinea

tisane, OED

tseain, OED Mongolian A 1 a, 1893q

Tasine, Guinea, 10°26, -13°16

teasin' OED well-a-fine B, 1892q

Teinas, Norway, 61°17, 5°08 tenias, pl of OED tænia, tenia

Quebrada Tensia, Colombia, 5°34, -73°32

Ti Anse, Haiti, 18°25, -72°05

Tinsae Berhan, Ethiopia, 8°29, 39°50

tsaine, ITIS animal

Djebel Tsenia, Algeria, 35°14, 0°07

NASTIER (AEINRST)

One of the sequences in second-place, NASTIER, has been the subject of much work in the past by Darryl Francis. In total, his contributions W98-163, W99-262, and W00-08 listed 181 permutations. This compares with my puny 80, though he lists such non-dictionary items as "tears in". I list 24 additional places or zoological names, taking the total to over 200, and offer better sources for some of his sequences. These two figures of 80 and 207 may be compared with the mere 14 words of the most permutable 7-letter sequence in Webster 2, which, it has been reported in Making the Alphabet Dance, has just 14 permutations (This sequence is again NASTIER.). Of my 80, about half are place names or zoological names, and it seems clear that dictionary words and derived forms, ancient and modern, can only account for about one quarter of the 207: the majority of permutations are still such items as plurals of family names, or sequences such as RENT IS A.

Additions to AEINRST:

Arsenti Podere Mont, Italy, 43°04, 10°54

Bled Irtsane, Algeria, 36°30, 1°22

Istrane, Greece, 41°23, 24°06

Nestiar, Russia, 56°33, 45°20

Nistrea, Romania, 47°05, 27°08

Retsani, Greece, 39°44, 22°44

Sen Trai, Vietnam, 21°28, 104°21

Ti-n-Sratine, Algeria, 26°32, 1°36

Jebel Tarsine, Morocco, 30°34, -6°34

Tisanre, Chad, 9°57, 14°31

Tisnare Kanal, Sweden, 58°53, 16°05

Tsareni, Moldova, 47°45, 28°52

Artinse, France, 45°51, 1°46

Salto de Isanter, Colombia, 6°04, -74°07

Neritsa, Russia, 65°20, 52°45

Niaster, Belgium, 50°27, 5°40

Nseirat, Mauritania, 18°02, -8°03

Riasten, Norway, 62°51, 11°45

Si'ertan, China, 37°14, 103°50

Sternai, Greece, 35°31, 24°09

Rio Tiernas, Spain, 41°28, -1°20

Tisaren, Sweden, 59°00, 15°08

Orthocladius traenis neofasciatus, ITIS animal

Chabet Ain Tsirane, Tunisia, 36°50, 8°51

better sources:

ARSTEIN Arstein, Germany, 51°02, 7°44

RASETIN Rasetin Vrh, Croatia, 44°33, 15°53

RENTIAS Rentias Rust, South Africa, -27°01, 26°18 (no apostrophe)

SARTINE Sartine, Belgium, 50°33, 3°16

STERIAN Sterian Dumbrava, Romania, 46°09, 27°35 (was S. Ter-ian, an author)

TERNAIS La Ternais, France, 47°15, -1°59

TERSINA Tersina cardenium wallacei, ITIS animal

alternative source:

rantise, Brandreth: The Scrabble Book, Chancellor Press, 1993

AEGINRST

Having come so close, it would seem remiss not to mention the most famous example of word permutations — AEGINRST, which is 5= in my top sequences, having just 74 entries. The present list was based on Borgmann's, but many words were ejected by Jeff Grant, who then added more (see W94-008 & W94-089) to bring the total to 158, which was incremented by two, making 160 (by Darryl Francis, W97-98, W98-33). This compares with 11 for the most permutable 8-letter word in Web2: AEINRSTU. Below I add 12 to this list, making 173 in all. Similar remarks about how such a large number is reached apply as above: Jeff Grant's criteria for inclusion are carefully spelled out in W94-008.

Additions to AEGINRST:

Geriants: Geriant is a type of fencing by Poly Vinyl Creations; or David Geriant, an Origami designer

Greinats, Germany, 47°45, 10°22 Grestain, France, 49°25, 0°21

rietgans: Dutch name of Bean goose, Anser fabalis Saheh-ye Rigestan, Afghanistan, 3116, 6548

sargient, OED overplus C, 1640q Sungai Sengarit, Indonesia, 0°15, 110°14

Sungai Seritang, Malaysia, 4°43, 103°11

snatering: noise made by rietgans, qv (Digswell Lake Society newsletter)

Mount Stigaren, Svalbard, 77°56, 16°38 Ti-n-Esgar, Mali, 16°17, -4°17

Mys Tsingera, Russia, 79°08, 104°04

better sources:

REGISTAN: Jeff Grant gives Registan as a desert; indeed it is: it actually means "sand place". However, there are Registan Squares at the centre of Central Asia's two most famous towns, and the Registan in Samarkand is one of the world's most famous buildings (just rebuilt when I visited!).

SARGENTI: Somatogyrus sargenti praesidii, ITIS animal.

STRIEGAN: striegan (Old English), OED instrie.

In fact, some of his dictionary words or names can be found in more accessible sources, such as Chambers or the OED.

OTHERS

key: nothing = place from NIMA, a=ITISanimal, d=EDD, o=OED headword or variant, s=OSPD, t=OED citation, w=W81-104ff., z=New Zealand place ex www.linz.govt.nz/databases/geographic/geodist.html

80 words from SATIRE (AEIRST)

AERISTO AIRESTS AIRSETW AISTER AISTRET AITRES ARESTI ARISTEO ARITES ARTEIST ARTIES ARTIES ARTIES ARTIES ASTRIET

	ATERIS	ATIERSw	ATIRESt	ATISERt	ATRIESw	ATRISEo	EAIRTSd	ERITAS	
	ESTIAR	ESTRAIt	ESTRIA	ISTERA	ITERAS	RAISETt	RAISTE	RASETI	
	REISAT	REISTAt	RESITA	RETAIS	RIETSA	SAETRI	SAITRE	SARETI	
	SARTIE	SATERI	SATIREo	SERAITt	SERATI	SERIAT	SERITA	SIERTA	
	SIRATE	SITAREt	SITERA	SRAIET	STAIERo	STAIREo	STAREI	STEIARo	
	STERIAW	STIAREt	STIERAo	STRAIEo	STREIA	STRIAEo	TARIESt	TARSEI	
	TASERI	TEARISt	TEASIR	TERAISs	TERASI	TERIASt	TERISA	TERSAI	
	TERSIAo	TESARIt	TIARESt	TISERA	TRAIESt	TRAISEo	TSERAI	TSERIA	
77 words from REGAIN (AEIGNR)									
	AGRENIa	AGRINE	AIGNER	AINGERt	ANERGI	ANGERI	ANGIERt	ANGIRE t	
	ANGREI	ANGRIEo	ANIGERt	ARENIGo	ARGEIN	ARGENI	ARGINEo	ARIENG	
	ARINGE	EARINGo	ENGARIz	ERANGIZ	ERGANI	ERGINA	ERIANG	ERIGANt	
	ERINGA	GAERIN	GAINERo	GAIREN	GANERI	GAREIN	GARIEN	GARINE	
	GARNIEt	GEARINt	GEIRAN	GENARI	GERANI	GERIANt	GERINA	GIRANE	
	GRAINEO	GREIAN	GREINA	GRENAI	GRIANE	GRINEA	IGAREN	IGNAREt	
	Oldinie	OICE II II I	Orthur.						

Conclusion

NEGRIA

RIGANE

REAGINo

NGAIREt

REGAINo

NGERIA

NIGERA

REGANIa REGIANO

NEGIRA

RANGEI

RENGAI

To test the truth of the proposition above (that more dictionaries at this point would add very little), I asked Susan Thorpe to examine a set of words containing highly unusual letter sequences (Hodge: Handbook of American Indians). This failed to contain even a single word in the AEILMS (top places), or the AEGINRST (Borgmann/Grant), or the NASTIER (Francis) lists, let alone add to them. It did, however, contain two of the words in TISANE (my top word), and added one to it: STAIEN. This experiment seems to confirm that significant success in expanding the lists lies in the imagination rather than further dictionaries. The relative success of place names is simply due to their overwhelming numbers. My thanks to Susan Thorpe for conducting the experiment.

To conclude, many sequences give approximately the same number of permutations: if one is reported as being significantly more permutable, that is because a special effort has been made in that particular case to find ever more outré examples.

It should not be too difficult to fill in some of the gaps by using different word endings.

Place names are from the NIMA database. Latitude and longitude are in degrees and minutes. PS source is www.anet.com/~manytimes/plantssyn.txt.

Afterword

NAGERI

NIGRAEt

REGINAo

NARIGE

REIGAN

RAIGNEo

NEGARI

RAINGEo

REINGAo

On a less serious note, there are many delights to be discovered in a list of anagrams. There is the tautonymic pair BANCABANCA and CABANCABAN in the Philippines. Then imagine the delight of a sadistic crossword compiler, who pretends that an innocent BOOK SALE (OED) is taking place in ABELKOSO (Congo), BEKOLOSA (Madagascar), BOLOKASE (Indonesia), or SABOLOKE (Georgia).