

ON LOCATION WITH PAIR ISOGRAMS

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A pair isogram is a word in which each different letter occurs exactly twice. As a genre, pair isograms can be divided into two types. We can call these **split pair isograms** (SPIs for short) in which the letters in the first half of the word are repeated, in a different order, in the second half (HORSESHOER); and **non-split pair isograms** (NSPIs) in which this is not the case (APPEASES).

All except a handful (asterisked*) of the pair isograms below are new to Word Ways. They are locations taken from the United States Board on Geographic Names (BGN). The locations are populated places unless specified otherwise.

For further reading, here is a selection of Word Ways items concerned either directly, or indirectly, with pair isograms:

- 74033 *An Overview of Isograms* by Dmitri Borgmann
- 82136 *Pair and Trio Isograms* by Jeff Grant
- 98068 *Isograms: The Sequel* by Rex Gooch
- 99302 *Split Sentence Transposals* by Susan Thorpe
- 2001036 *Residual Heterograms* by Susan Thorpe
- 2001266 *Colloquy* some new pair isograms, Susan Thorpe

Below, I search for pair isograms of lengths 6, 8, 10 and 12 letters. For each of the possible letter permutations, I have aimed at presenting an A-Z of examples! The most I found was 18 out of 26 for the letter permutation 123132. By way of contrast, the majority of the longer permutations remain unrepresented. Palindromes and tautonyms are not included in this exercise.

SPLIT PAIR ISOGRAMS

6 letters

There are 6 permutations of 6-letter SPIs. Of these, 123321 is palindromic and 123123 is tautonymic. Discarding these leaves 4 letter permutations.

123132 ANIAIN* (Pakistan), BRIBIR (Croatia), CHACAH (Mexico), DRADAR (Morocco), ERIEIR (wadi - Tunisia), FELFLE, Ain el (spring - Lebanon), H'RAHAR (locality - Algeria), ISAIAS (Mozambique), JEMJME, Ej (a slope in the Lebanon), KSIKIS (hill - Tunisia), LAILIA (Indonesia), NSANAS, Chabet (wadi - Morocco), OENONE (mountain - New Zealand), PREPER (Czechoslovakia), SRESER (Croatia), TVETEV (lake - Norway), UASUSA (Mozambique), VIAVAI, Estrada de (Portugal), YAW-YWA (Burma)

123213 ARGRAG, Sidi Mohamed (Morocco), CAUACU (Brazil), ETYTEY (Russia), IBOBIO (Nigeria), KRARKA (point - Norway), LUAULA* (stream - Angola), NAGANG (Philippines), OHAHOA (bay - New Zealand), PAUAPU, Tanjung (point - Indonesia), TUYUTY (mountain - Argentina), UNANUA (Spain)

123231 AZIZIA, El (Algeria), GUNUNG* (Indonesia), ILOLOI (lake - Indonesia),
 -KVIVIK* (Faroe Islands), LATATL Lapplager (camp - Sweden), MZEZEM (ruin - Libya),
 NA-WAWN (Burma), OYAYAO (mountain - Philippines), SKAKAS (hill - Norway),
 TIGIGT (mountain - Morocco), UAKAKU* (Malaysia), YUCUCY (Mexico)
123312 AIRRAI (Palau), BOSSBO (farm - Sweden), CERRCE (Yugoslavia), DINNDI Bala
 (Senegal), ENIEN (one of the Marshall Islands), GORRGO (Nigeria), KINNKI (Guinea),
 MALLMA (Peru), OUSSOU (wadi - Chad), RACCRA, Parchac (stream - Peru), SHOOSH*
 (Iran), TINNTI, Seguien (Mali), ULAAUL (Somalia), YOLLYO (N. Korea)

8 letters

There are 24 permutations of 8-letter SPIs. 12344321 is palindromic and 12341234 is tautonymic. At least one word was found for 19 of the remaining 22 permutations, the 3 omissions being 12342314, 12343124 and 12344132.

12341243 CHOLCHLO (Belarus), GHANGHNA (Pakistan), ISO-KISKO (lake - Finland),
 KHOLKHLO (Belarus), LEPOLEOP (Indonesia), SKRASKAR (island - Finland),
 ZHUOZHOU (China)

12341324 DILADLIA (Philippines), KASYKSAY, Pervyy (Kazakhstan), QUOMQOUM
 (spring - Syria)

12341342 INSEI-SEN (stream - S. Korea)

12341423 GIDAGAI (area - Tanzania), KANIKIAN (point - Philippines)

12341432 CALUCULA (Angola), GIDAGADI (school - Kenya), HARIHIRA (Algeria),
 KALUKULA (DR Congo), MAREMERA (island - Tanzania), NESONO-SE (shoal - Japan),
 PAHOPOHA (bay - French Polynesia)

12342134 BALIABLI (Liberia), HSAN-SHAN (China), OCTACOTA (lake - Bolivia),
 PAOEAPOE (point - Indonesia), SACHASCH (Poland), TSONSTON, Ifalos (bank - Greece)

12342143 DARIADIR Char (Bangladesh), HSIU-SHUI (Taiwan), MAIRAMRI (Nigeria),
 SHUI-HSIU (China), WALIAWIL (mountain - Sudan)

12342341 GOENOENG (in Malaysia = 'mountain'), HISAISAH (point - Yemen),
 ISANSANI (DR Congo), NDIADIAN (Senegal), TICHICHT (farm - Morocco)

12342413 CUENUNCE (stream - Angola)

12342431 EKPOKOPE (Togo), GYADY-DAG (mountain - Azerbaijan)

12343142 PETITPIE (stream - Panama)

12343214 LUPAPULA (DR Congo), MAHSHAMS (Afghanistan), RODADORA (Honduras),
 TIBABITA (Colombia)

12343241 ISOKOSKI (house - Finland), TERGREGT (Algeria)

12343412 AILULUAI (Papua New Guinea), CISOSOCI (hill - Malawi), KALELEKA (Zambia),
 MAZIZIMA (stream - Mozambique), TUVAVATU (stream - Fiji)

12343421 ENGOGONE (Gabon), INGAGANI (stream - S. Africa), KASHSHAK (shrine-
 Egypt), MANINIAM (Ivory Coast), NACHCHAN (stream - Pakistan)

12344123 CHALLCHA (Bolivia), HURAAHUR (wadi - Somalia), QUILLQUI (Peru)

12344213 YAOSSAYO (DR Congo)

12344231 AGBOOGBA (Ghana), MOUSSOUM, Cheikh el (Algeria), QOURROUQ (wadi-
 Syria), TOUSSOUT (Niger)

12344312 CHIRRICHT (mountain - Tunisia), DJILLIDJ (island - Tunisia), KHANNAKH
 (Russia), LAUKKULA (house - Finland), MOURRUMO (mountain - Mozambique)

10 letters

There are 120 permutations of 10-letter SPIs. 1234554321 is palindromic and 1234512345 is tautonymic. This leaves 118 permutations. One or more words was found for 18 of these.

1234512435 MIDLAMILDA (hill - Australia)

1234512543 CHENACHANE (Algeria)
1234514325 CAGONCOGAN (Philippines)
1234514523 CHIANCANHI (mountain - Mozambique), PANOYPOYAN (Philippines)
1234515342 KASHEKESHA (stream - Zambia), KASHIKISHA (stream - Zambia)
1234521345 NAGOUANGOU (Togo)
1234521534 BUCHAUBACH (stream - Austria)
1234523451 AKORIKORIA (island - Guyana), TAOULAULT (Morocco)
1234525341 CADIRARDIC (Turkey)
1234531245 BHEAKEBHAK (Thailand)
1234531254 KRAMOAKROM (Ghana), KHIRAIKHAR (Yemen)
1234531542 KEIWAIKAWA (hill - New Zealand)
1234532154 TULNALUTAN (island - Philippines)
1234532514 TABESBASTE (Morocco)
1234532541 HINAYNIYAH, Al (Saudi Arabia), TABELBALET, Hassi (well - Algeria)
1234534152 MAISTISMTA (mountain - Russia)
1234534512 KANTONTOKA (Zambi), MANZINZIMA (hill - Zimbabwe),
 MAPHOPHOMA (stream - S. Africa)
1234551243 AHL-ES-SAHEL (tribal area - Morocco)

12 letters

There are 720 permutations of 12-letter SPIs. 123456654321 is palindromic and 123456123456 is tautonymic. This leaves 718 permutations. One word was found for each of just 4 of these.

123456156234 RICHTERTEICH (pond - Austria)
123456342165 VASTERSTAVRE (Sweden)
123456345621 TAGUERGUERAT (Morocco)
123456415236 AKERSTRASKET (lake - Sweden)

NON-SPLIT PAIR ISOGRAMS

6 letters

There are 9 permutations of 6-letter NSPIs. Locations were found for 8 of these, the omission being 112233.

112323 AAZIZI, Bir (well - Lebanon), EENANA (Namibia), IIPOPO (Namibia),
 LLANAN, Twyn (UK), OORARA (hill - Australia)
112332 AAISSI, Ain (spring - Lebanon), CCOLLO (mountain - Peru), KKOLLO, Rio Khara
 (stream - Bolivia), Chulla LLOCCO Loma (mountain - Peru)
121233 AR-ARO-O (Philippines), GOGOII (Romania), MAMARR al Mitla (pass - Egypt),
 ONONII (Japan)
121323 ALAILI (Afghanistan), BOBLOL (Niger), CACIAI (stream - Brazil), GIGOIO (island -
 Brazil), HAHLAL, Bou (mountain - Morocco), IKIOKO (Guinea), LILAIA (railroad station -
 Greece), MAMIAI (Lithuania), NENTET Allominab (Ethiopia), OKOEKE (stream - New
 Zealand), POPKOK (S. Korea), RGRAGA, Sidi (tomb - Morocco), SASFAF (well - Morocco),
 TATRAR (escarpment - Mauritania), UCUICI (stream - Colombia), VAVIAI (island - Papua
 NG), XAXJAJ (locality - Guatemala)
121332 IAISSA (Mozambique), NANGGA (stream - Fiji)
122133 AFFALL (stream - Iceland), ELLEGG, Brosis (Germany), INNISS (river - Trinidad),
 LOOLEE (canalized stream - Netherlands)
122313 ASSRAR (wadi - Algeria), DUUADA (dune - Libya), ISSAIA (mission - Mozambique),
 USSEUE (Mozambique), YSSEYE (Mali)
122331 AKKYA (Kyrgyzstan), DAA'UUD, Ruun (hill - Somalia)

8 letters

There are 81 permutations of 8-letter NSPIs. Locations were found for 38 of these.

- 12123434** BABADUDU (Nigeria), KIKIGOGO (Burkina Faso), LOLONENE (locality - Vanuatu), MAMASISI (pan - Botswana), PUPUDADA, Leho (Nigeria), TITICACA (lake - Peru), ULUL-NONO (estate - Papua NG)
- 12123443** ANANOHHO (wadi - Somalia), BIBIANNA (Poland), DIDIASSA (Ivory Coast), VIVIENNE* (falls - Kenya)
- 12132434** PIPLIALA (Pakistan)
- 12132443** DADIASSI (Ivory Coast)
- 12133442** NANEELLA (Australia)
- 12134234** Gebel ATAIRTIR ed Dahami (mountain - Egypt), GAGLIALI (stream - France), ILIYALYA (Russia), LALNGANG (creek - Australia), NANTIATI (cape - Micronesia)
- 12134243** KOKEDODE (Albania), MAMENAN-E Bala (Iran)
- 12134324** OKONINKI (Poland), ULUYAYLA (Turkey)
- 12134432** UMUELLEM (Nigeria)
- 12213434** ISSINENE (escarpment - Mali), EGGELALA (farm - S. Africa)
- 12213443** ILLIASSA (The Gambia)
- 12233414** LIKKALA (Finland)
- 12234134** EZ-ZIREIR, Hajer Henu (ruin - Yemen), IPPONION, Ruder di (Italy) KLOTKOT (Yugoslavia)
- 12234314** AFFINIAN (Senegal)
- 12234341** AKKININA (Russia)
- 12312344** BARBAREE (farm - Zimbabwe), CHACHALL (Bolivia), KVAKVANN (lake - Norway), QURQURAA (wadi - Somalia)
- 12312434** AKCAKECE (Turkey), CAUCASUS* (mountains - Georgia), GUNGUENE (lake - Mozambique), RHIRHAIA (wadi - Morocco), SINSIENE (Burkina Faso)
- 12312443** GANGAIIIN (mountains - Mongolia), HUAHUTTA (Colombia), LIU-LI-SSU (China), MUAMULLA (Mozambique), VIEVILLE (France)
- 12313442** CAICILLA, Estancia (Bolivia), VAIVILLA (Peru)
- 12314234** ACHAICHI (cape - Algeria), KOUKAOUA (Nigeria), MOUMJOUJ (mountain - Morocco), NIENTIET (farm - Germany)
- 12314243** AHRAHIR (stream - Morocco)
- 12314432** QARQOORA (well - Somalia)
- 12321434** AB-I-BARIR (Iran), BEREBORO (Venezuela), CARACURU, Igarape (stream - Brazil), DURUDERE (Turkey), GIRIGARA (Senegal), JIPIJAPA* (Ecuador), KIZIKUZU (Turkey), LUCULECE (stream - Mozambique), METEMITI (Chad), POTOPATA (Guinea), SIRISARA (stream - Guinea), TIPITAPA (stream - Honduras), VODOVADA (stream - Yugoslavia)
- 12321443** ALILAMMI (house - Finland), ISO-SIPPO (house - Finland)
- 12323414** BALALIBI (stream - Uganda), CELELACA (Ethiopia), KIPIPAKA (stream - DR Congo), LAWAWOLO, Tanjong (point - Indonesia), MURURAMA (Tanzania), NDIDIENE (Senegal), PULULAPA (El Salvador), SHA-HAO-SO (China), TIRIROTO (lake - Cook Is.)
- 12323441** KANANOOK (creek - Australia)
- 12324134** HUAUCHAC (Peru)
- 12324143** BALAIBIL (bay - Saudi Arabia), DESEADAS, Puerto (Argentina), FELEIFIL, Abu (palm grove - Egypt), GATAIGIT (wadi -Iraq), SELEUSUL (Romania), TYUYATAU (hill - Russia)

12324314 HOSOISHI (Japan), JARAORJO (mountain - Peru)
12331244 MASSMANN (farm - Germany)
12331442 UARRUSSA (Mozambique)
12332144 BESSEBAA, Bulad (Morocco), LEGGELOO (Netherlands), MYLLYMAA (house - Finland), WARRAWEE (Australia)
12332414 DERREADA Cimeira (Portugal), NGAAGENE (hill - Central African Republic)
12332441 TISSINNT, Agadir (Morocco)
12334124 BALLYBAY (Ireland), KALLIKAI (Sri Lanka), LINNALIA (farm - Norway)
12334142 MARRIMIA (stream - Bolivia)
12334214 MOSSTOMT (farms - Sweden), PAKKEAPE (bog - Sweden)
12334412 MATTOOMA (locality - Somalia), NAMMOONA (railroad station - Australia)

10 letters

There are 825 permutations of 8-letter NSPIs. Locations were found for 40 of these.

1212344553 ZHZHENNYE Rakity (Russia)
1212345345 ANANCHICHI (Belarus), BABANGONGO (Papua NG), DIDIBEUBEU (creek - Papua NG), KOKOMLEMLE (Ghana), LOLOPWEPWE (Vanuatu), PAPATOETOE* (admin. division - New Zealand), TATAGHOGHO (point - Solomon Is.)
1213425534 HOHENOLLEN (Germany)
1213452534 OHOITAHAIT (Indonesia)
1213455234 YUYANGGUAN (China)
1221345345 ASSAGEIGEI (well - Niger), NAANKOTKOT (one of the Marshall Is.), OSSOGUIGUI (East Timor)
1223345145 BOONNAHBAH (island - Australia)
1223415534 ALLENABBEN (point - Sweden), SUURISAARI (island - Russia)
1223443515 MYYZAAZEME (Estonia)
1231234545 BAGBAGOTOT (Philippines), CHOCHOKIKI (Solomon Is.), GURGURBABA Tepe (mountain - Turkey), KURKURSU-SU (railroad station - Kazakhstan), NKANKASISI (Ghana), SUYSUYMAMA (stream - Peru)
1231234554 HUCHUCOLLO (Bolivia), MARMARDOOD (pond - Somalia), SICSICALLA (stream - Peru), TORTORELLE (France)
1231244553 GURGUMMEER (mountain - Russia)
1231245435 JINJIAGANG (China)
1231245453 SHASHELELA (stream - S. Africa)
1231345245 AKLALOUKOU (Ivory Coast)
1231452453 CHECANHANE, Chefe (Mozambique)
1232143554 POROPIRTTI (house - Finland)
1232145345 DAGADOUGOU (Mali), KARAKOUROU (wadi - Chad), VITIVERTER Mark (area - Germany)
1232415354 BUYUKBIYIK (Turkey)
1232435154 MISINSAMAN (Philippines)
1232454513 NAGALILING (island - Philippines)
1233124545 OUSSOUNENE (stream - Gabon)
1233214554 NALLANIPPI (well - Australia), PULLUPIDDI (island - Sri Lanka), WELLEWATTA (Sri Lanka)
1233412554 MUGGAMURRA (hill - Australia), SUCCASUNNA* (New Jersey - WW82137), VADDEVARRE (hill - Norway), WIRRAWILLA (railroad station - Australia)

- 1234123554* KOUAKOUNNA (Mali)
1234132554 RIVERVILLE* (Ireland)
1234135452 INCHICAHAN cross roads (locality - Ireland)
1234145523 MITOMORRIT, Mali i (peak - Albania)
1234215345 MANGAMINGI (stream - New Zealand), SAMBA-SEMBE (Senegal),
 TORCOTARCA (Bolivia)
1234215453 KALMAKEMEL (mountain - Kazakhstan)
1234231545 BOUNOUBANA (Togo), KOUROUKERE (Mali), POUROUPARA (stream - Ivory
 Coast)
1234231554 ELGALGERRA (pool - Australia)
1234234515 LANGANGULU (stream - Tanzania), NIRHIRHENE, Douar (Morocco),
 PISHISHAPA, Hacienda (El Salvador)
1234234551 ATOCTOCLLA (stream - Peru)
1234251534 NESHEINISH (ruin - Jordan)
1234312545 CHUNUCHANA (Bolivia), NYIMINYAMA (Mali)
1234315452 GUIRIGOROU (Niger)
1234321545 IBEKE-BIOKO (DR Congo)
1234351542 UNTATSU-SAN (mountain - N. Korea)
1234451352 HUALLCHACU (stream - Ecuador)

12 letters

There are 9675 permutations of 8-letter NSPIs. Locations were found for 7 of these.

- 122134563456* ASSAGUEIGUEI (well - Niger)
123123456456 PEOPEOCHICHI (locality - Solomon Is.), SENSENKWAKWA (stream -
 Ghana)
123345126645 KURRENKUTTEN (Australia)
123412345656 TCHETCHENINI (hill - Zimbabwe), TUKITUKIPAPA* (a Maori place name -
 New Zealand WW82137)
123415656432 TEKATIRIRAKE (Kiribati)
123445123665 TJARROTJAKKO (mountain - Sweden)
123454651263 TRANSNISTRIA* (region of Moldova)

PAIR ISOGRAM TRANSPOSALS

More than one locational pair isogram may be constructed of identical letters, in which case the locations are transposals. The transposals may exhibit the same letter permutation, different letter permutations or, sometimes when more than two locations are involved, both the same and different letter permutations. SPIs and NSPIs may transpose into each other. Readers are reminded that palindromes and tautonyms are not under consideration. In the lists which follow, unreferenced words can be found earlier in the article.

SPLIT PAIR ISOGRAMS

6 letters

- | | |
|---|--|
| <i>123132</i> KRAKAR (Croatia) | <i>123213</i> KRARKA (point - Norway) |
| <i>123132</i> KAUKUA (house - Finland). | <i>123231</i> UAKAKU (Malaysia) |
| <i>123132</i> KHAKAH (Afghanistan) | <i>123231</i> KHAHAK* (Afghanistan) |
| <i>123132</i> TERTRE (Belgium). | <i>123231</i> TERERT, Gara (hills - Algeria) |

- 123132 THATAH, Pi (mountain-Pakistan) 123231 THAHAT, Ban (Laos)
 123132 ASNANS (France) 123231 SANANS (pool - Australia)
 NSANAS, Chabet (wadi - Morocco)
 SNASAN (shoal - Sweden)
 123213 AWWAN, Wan (Burma) 123231 NA-WAWN (Burma)
 123213 TUIUTI (Brazil) 123231 IUTUTI, Cachoeira (falls - Brazil)
 123231 LATATL Lapplager (camp-Sweden) 123312 TALLTA (mountain - Peru)

8 letters

- 12341243 ISO-KISKO 12343241 ISOKOSKI
 12341423 GIDAGAI 12341432 GIDAGADI
 12341432 MARIMIRA (forest - Kenya) 12342143 MAIRAMRI, Mai
 12341432 KALUKULA 12344312 LAUKKULA
 12342341 GOENOENG 12343421 ENGOGONE

NON-SPLIT PAIR ISOGRAMS**6 letters**

- 121323 GIGOIO 121233 GOGOII
 122133 ALLANN, Raoudett (locality-Syria) 112323 LLANAN

8 letters

- 12123434 KAKALILI (area - Kenya) 12334124 KALLIKAI 12233414 LIIKKALA
 12123434 KOKONINI (hill - Ghana) 12134324 OKONINKI
 12123434 LALAPIPI (Papua NG) 12132434 PIPLIALA
 12123434 TUTUBABA (hill - East Timor) 12323414 TUBUBATA (mountain - Costa Rica)
 12123443 DIDIASSA 12132443 DADIASSI
 12123443 VIVIELLE (point - Tunisia) 12312443 VIEVILLE
 12134234 NANTIATI 12321434 TANATINI (stream - Peru)
 12312344 BARBAREE 12332144 BERREBAA (wadi - Libya)
 12312443 MAYMALLY (estate-Sri Lanka) 12332144 MYLLYMAA
 12321434 AB-I-BARIR 12324143 BARAIBIR (abandoned well - Iraq)
 12321434 DARA-DERE (Bulgaria) 12332414 DERREADA
 12321434 KARAKURU (pan - Botswana) 12321443 ARURAKKU (locality - Marshall Is.)
 KURUKARA (Rwanda)
 12321434 KOLOKALA (Madagascar)
 LOKOLAKA (Indonesia)
 12323414 NAMAMONO (stream- Zambia) 12334412 NAMMOONA

10 letters

- 1212345345 KAKAROUROU (bay - 1232145345 KARAKOUROU
 (New Zealand)
 1231234545 KOUKOUNANA (Greece) 1234123554 KOUAKOUNNA

SPLIT PAIR ISOGRAMS.....and.....NON-SPLIT PAIR ISOGRAMS
6 letters

<i>123132</i> AILALI (Solomon Is.), LAILIA	<i>121323</i> ALAILI, LILAIA
<i>123231</i> ALILIA (DR Congo)	
<i>123231</i> AZIZIA (Libya)	<i>112323</i> AAZIZI (well – Lebanon)
<i>123132</i> ANIAIN NAINIA (stream - Mozambique)	<i>121323</i> NANIAI (admin. district - Japan)
<i>123132</i> ARIAIR, Douar el (Morocco)	<i>121323</i> RARIAI (island - Indonesia)
<i>123312</i> AIRRAI	
<i>123132</i> DAUDUA (stream- Mozambique)	<i>122313</i> DUUADA
	<i>122331</i> DAA'UUD
<i>123132</i> IONINO (Russia)	<i>121233</i> ONONII
<i>123132</i> ISAIAS	<i>112332</i> AAISSI
	<i>121323</i> SASIAI (Lithuania)
	<i>121332</i> IAISSA
	<i>122313</i> ISSAIA
<i>123132</i> KLOKOL (lake - Canada)	<i>112332</i> KKOLLO
<i>123132</i> OELOLE (East Timor)	<i>122133</i> LOOLEE
<i>123231</i> OELELO (East Timor)	
<i>123132</i> TANTNA (mountain - Tunisia)	<i>121323</i> NANTAT (Burma)
<i>123231</i> TANANT (Morocco)	
<i>123132</i> TAUTUA (Cook Is.)	<i>121323</i> TATUAU (locality - Solomon Is.)
<i>123213</i> TAUATU (Brazil)	
<i>123132</i> UARURA (stream - Venezuela)	<i>121323</i> URUARA (stream - Brazil)
<i>123132</i> VIAVAI	<i>121323</i> VAVIAI
<i>123213</i> ANENAE (Russia)	<i>112323</i> EENANA
<i>123213</i> ARGRAG	<i>121323</i> RGRAGA
<i>123213</i> LUAULA	<i>121323</i> ULUALA (mountain - Mozambique)
<i>123312</i> ULAAUL	
<i>123213</i> NAGANG (Philippines)	<i>121323</i> GAGNAN (stream - Sweden)
<i>123231</i> GANANG (river - Burma), NGAGAN (Philippines)	<i>121332</i> NANGGA (stream - Fiji)
<i>123312</i> ANGGAN, Nanga (Malaysia)	
<i>123213</i> TELETL (Russia)	<i>122133</i> ET-TELL, Siah (wadi - Libya)
<i>123231</i> AMIMIA* (stream - Ghana)	<i>121323</i> MAMIAI (Lithuania)
<i>123231</i> AROROA (island - Papua NG)	<i>112323</i> OORARA
	<i>121233</i> AR-ARO-O
<i>123231</i> ATITIA (admin. district - French Polynesia), ITATAI (stream- Brazil)	<i>112323</i> AAITIT, Ain (spring - Lebanon)
	<i>121323</i> ATAITI (French Polynesia) TITAIA Rampur (Bangladesh)
<i>123231</i> GENENG (Indonesia)	<i>121332</i> NENGGE
<i>123231</i> TIRIRT (Morocco)	<i>122133</i> ITTIRR (plain - Kenya)
<i>123312</i> SUTTSU* (Japan)	<i>121323</i> SUSTUT* (peak - Canada)

8 letters

<i>12341342</i>	INSEI-SEN	<i>12213434</i>	ISSINENE
		<i>12312434</i>	SINSIENE
<i>12341432</i>	KATUKUTA (stream-Zambia)	<i>12123434</i>	TUTUKAKA (New Zealand)
<i>12343412</i>	KATUTUKA (Malawi)	<i>12321434</i>	KATAKUTU (stream - Zambia)
			TAKATUKU (Nigeria)
<i>12341432</i>	MARIMIRA (forest - Kenya)	<i>12334142</i>	MARRIMIA
<i>12342143</i>	MAIRAMRI		
<i>12341432</i>	MARUMURA (admin, district - Japan)	<i>12323414</i>	MURURAMA
<i>12342341</i>	HISAISAH	<i>12324314</i>	HASAISHI (stream - Colombia)
<i>12342341</i>	TOULOULT (wadi - Algeria)	<i>12321434</i>	LOTOLUTU (stream - Fiji)
<i>12343214</i>	LUPAPULA	<i>12323414</i>	PULULAPA
<i>12343214</i>	TIBABITA	<i>12321434</i>	TIBITABA (Mali)
<i>12343412</i>	KATITIKA	<i>12323414</i>	TIKIKATA, Ghosher (Bangladesh)
<i>12343421</i>	MANINIAM	<i>12321434</i>	MINIMANA (Mali)
<i>12343421</i>	NAOKOKAN (lake - Canada)	<i>12323441</i>	KANANOOK
<i>12341432</i>	KONAKANO (railroad station - Japan)		
<i>12344123</i>	HUACCHUA (stream - Peru)	<i>12324134</i>	HUAUCHAC

10 letters

<i>1234551243</i>	AHL-ES-SAHEL	<i>1231245453</i>	SHASHELELA
<i>1234512543</i>	CHENACHANE	<i>123145245</i>	CHECANHANE
<i>1234514523</i>	CHIANCANHI	<i>1212345345</i>	ANANCHICHI
		<i>1234135452</i>	INCHICAHAN
<i>1234534512</i>	KANTONTOKA	<i>1221345345</i>	NAANKOTKOT

SWAPPING HALVES

In the case of GANANG (river - Burma) and ANGGAN (Nanga Anggan - Malaysia), exchanging the two halves of the word results in the name of another location. Here are further examples:

GONONG (stream - Australia) and ONGGON (China)

CHAI-CHIA and CHIA-CHAI (both China)

HSIU-SHUI (Taiwan) and SHUI-HSIU (China)

KARAKORO (Guinea) and KOROKARA (Ivory Coast)

KARAKURU (pan - Botswana) and KURUKARA (Rwanda)

Chulla LLOCCO Loma, and CCOLLO are both mountains in Peru

My favorite locations are the two streams PETITPIE in Panama and IAMBAMBI in Angola. Other favorites include MAMDAD, a wadi in Saudi Arabia, LEGGELOO in the Netherlands, and PULLUPIDDI, a wadi in Sri Lanka. Some of you may prefer UASUSA in Mozambique. Logologically, the most interesting location must surely be XAXJAJ, a locality in Guatemala which, as far as I am aware, is the shortest word with both 2 Xs and 2 Js.

I think you will agree that the world is a rich source of pair isograms.

Thanks go to Rex Gooch for supplying the numbers of permutations for 10- and 12- letter NSPIs.