/r/-liaison in English: An Empirical Study

Abstract

This article presents the results of an empirical study on the phenomenon of /r/-liaison (i.e. linking /r/ and intrusive /r/) in non-rhotic English taking into account cognitive, sociolinguistic, phonetic and linguistic aspects that shape its patterns of use. News archives from the BBC Learning English web page corresponding to the years 2004 and 2005 (around 50,000 words and 130 speakers) were investigated for the presence of potential contexts of /r/-liaison and actual occurrences of the phenomenon. The results obtained show that a thorough understanding of the phenomenon of /r/-liaison and cognitive phonological account of it requires an analysis of the different aspects that condition its use.

Keywords: /r/-liaison; intrusive /r/; linking /r/; phonology

1. Introduction

English accents are traditionally divided into two groups, the rhotic and the non-rhotic, according to the distribution of the phoneme /r/. Rhotic accents are characterised by the pronunciation of the letter <r> as an r-sound in all positions. In contrast, non-rhotic accents pronounce an r-sound only when the letter <r> is followed by a vowel sound, a phenomenon known as linking /r/. Accordingly, /r/ is not found (in non-rhotic English) in words such as store /stɔːr/ (not followed by a vowel), stores /stɔːz/, or stork /stɔːrk/ since <r> is followed by a pause (store) or consonant sound (stores, stork). A ‘linking’ r-sound is pronounced, however, when the <r> is followed by a vowel sound across word boundaries (e.g. store it /stɔːr ɪt/) or in word-internal position (e.g. storing /ˈstɔːrɪŋ/).

A related phenomenon in non-rhotic accents is that of intrusive /r/, i.e. an epenthetic r-sound in intervocalic positions where historically there has never been an /r/ in the pronunciation of the word and present-day spelling does not contain the letter <r> (e.g. the idea[r] of /ˈɪdə ɪdɪər ɪv/ or I saw[r] it /aɪ sɔːr ɪt/). Since intrusive /r/ in non-rhotic accents is not justified by the spelling, this unetymological /r/ has
traditionally been regarded as a vulgarism by many speakers; so its use - but not that of linking /r/- is typically stigmatised (Crystal 1984: 36; Jones, 1956: 114; Knowles, 1987: 134; Wells, 1982: 224). However, despite their different degree of prestige as well as historical linguistic and orthographic differences, linking /r/ and intrusive /r/ are often considered to be essentially the same phenomenon (e.g. Wells & Colson, 1971: 95): both are found word-internally or across word boundaries, and only after certain non-high vowels, namely /ɑ:/, /ɔ:/ or the final central vowels /ə, ə/, /ʌ, ʌ/ (Collins & Mees, 2003: 105; Lewis, 1975: 37; Wells, 1982: 226; Wells & Colson, 1971: 94). In addition, both phenomena (often jointly referred to as /r/-liaison or /r/-sandhi) seem to have the same linguistic function, namely the avoidance of hiatus or lack of a consonant separating two vowels in separate syllables (Knowles, 1987: 132).1

Different descriptive studies have looked at /r/-liaison in many varieties of non-rhotic English (e.g. Bauer, 1984; Foulkes, 1997; Hay & Sudbury, 2005; Tollfree, 1999; Watt & Milroy, 1999; etc.). These studies have made it clear that although /r/-liaison is very common in non-rhotic English, its use is by no means universal or categorical in these accents. For instance, according to Brown (1988: 147), neither linking /r/ nor intrusive /r/ are generally found in South-East United States or in South-Africa. In addition, in some accents that exhibit linking /r/ the use of intrusive /r/ seems to be categorical, like Norwich (see e.g. Trudgill, 1974) or Yorkshire (e.g. Broadbent, 1991). In contrast, variability in the use of /r/-liaison has been documented for Tyneside (Watt & Milroy, 1999) or New Zealand English (Hay & Warren, 2002; Hay & Sudbury, 2005). /r/-liaison has also been described as a variable phenomenon in Received Pronunciation –or RP–, the standard accent of English in England (e.g. Bauer, 1984; Gimson, 1980: 208; Jones, 1956: 115; Lewis, 1975: 39; Wells, 1982: 284).

2. /r/-liaison in RP: An Empirical Study

The existence of variability in the use of /r/-liaison in some non-rhotic accents of English like RP raises the question of what factors condition such variability. Unfortunately, few empirical studies have so far investigated /r/-liaison usage patterns either in RP or in other non-rhotic accents. Exceptions are, in the case of New Zealand

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1 In this respect, it has been claimed that English glides and liquids complement one another in that glides are used after high vowels ([j] after front vowels and [w] after back vowels) while liquids are used after non-high vowels (Broadbent, 1991; Uffmann, in press). This includes not only [r] but also [l] in some varieties of English (see e.g. Gick, 2002).
English, the study by Hay and Sudbury (2005), who analysed /r/-sandhi in the speech of New Zealanders born between 1860 and 1925 (as found in two different speech corpora recorded in the 1940s and between 1989 and 1995 respectively), and the earlier study by Hay and Warren (2002), in which reading data were elicited from sixteen subjects, each of them reading forty-eight sentences where word-final or word-internal intrusive /r/ could potentially exist. In the case of RP, the only studies available are those by Lewis (1975, 1977) and Bauer (1984). Lewis provides anecdotal comments on data collected by the author over the years from BBC World Service newsreaders. Bauer (1984) looked at the recordings of a story by thirty-seven RP speakers (linguistics academics and students) between the years of 1949 and 1966, but his corpus only included eight potential cases of linking /r/ and two of intrusive /r/.

Despite the few empirical studies available, the existing literature suggests several factors that might influence the existence of variability in the use of /r/-liaison. The factors pointed out can be grouped in at least four different categories corresponding to the different aspects of /r/-liaison that could be identified, namely cognitive, social, linguistic and phonetic.

The cognitive aspect of /r/-liaison has to do, for instance, with the mental representation of the latter. In this respect, both linking /r/ and intrusive /r/ are often given the same synchronic phonological interpretation. The most common analysis is one that assumes rule inversion (e.g. Johansson, 1973; McMahon, 2000; Nespor & Vogel, 1986; Vennemann, 1972; Wells 1982). This type of analysis assumes that no coda /r/s are underlingly present, and that /r/-alternations arise as a function of /r/-insertion following [-high] vowels by analogy. An alternative approach is to assume that coda /r/s are underlingly present for all words that show an /r/-alternation (see e.g. Donegan, 1993; Gick, 1999; Giegerich, 1999; Harris, 1994; Mohanan, 1986).

Another cognitive aspect of /r/-liaison relates to the ideas that speakers, as language users, have of the phenomenon itself or, in other words, the concept of /r/-liaison (whether speakers call it this way or not). Since speakers’ conceptions about language usage (e.g. what they think is correct/incorrect, what they know about spelling, etc.) are part and parcel of their explicit or declarative knowledge about language, a psycholinguistically plausible phonological explanation of /r/-liaison, and important in phonology within Cognitive Linguistics (see e.g. Mompeán-González, 2004). In this respect, intrusive /r/, but not linking /r/, has traditionally been regarded as a vulgarism by many speakers. This view derives from speakers’ knowledge of
correspondences between spelling and pronunciation (e.g. that a given letter should have a given phonemic value) and how spelling should capture such associations. These views sometimes make speakers believe that silent letters found in the spelling of words should be pronounced. This explains why some speakers insert sounds in words like *pal*m, *oft*en, *fa[l]con*, etc. (see e.g. Collins & Mees, 2003; Wells, 1999) or why sounds that are not justified by the spelling but are pronounced are occasionally avoided (e.g. the ide*a[r]* of).

Speakers’ views about language use can be thought of as ‘folk theories’ around which cognitive psychology has long claimed and shown that concepts are organised (see e.g. Lin & Murphy, 1997; Murphy, 1993; Rips 1989, 1995) and which other cognitive scientists have discussed under various names for different types of knowledge structures like ‘frames’ (e.g., Fillmore 1985), ‘scripts’ (e.g., Schank & Abelson 1977), ‘mental models’ (e.g., Barsalou 1992), ‘idealized cognitive models’ (Lakoff, 1987), etc. These folk theories are sets of beliefs which, according to Rips (1995), may be sketchy, naïve, stereotyped, or incorrect. Therefore, folk theories are “any of a host of mental explanations rather than a complete, organized, scientific account” (Murphy & Medin, 1985: 312). Applied to /r/-liaison, speakers’ folk theory about the phenomenon is likely to include ideas, if elicited from average linguistically naïve speakers, such as “pronouncing an r-sound in lore and mysticism is fine because there is an ‘r’ in the spelling”, “an r-sound in law and order is not ‘correct’ because there is no ‘r’ in the spelling”, etc. Given this folk theory of /r/-liaison, it can be expected that, despite being phonetically and linguistically essentially the same phenomenon as explained above, there would be differences in the rate of use of linking /r/ and intrusive /r/ in the sense that the former will be more common than the latter.

The sociolinguistic aspect of /r/-liaison relates to usage patterns by specific groups of speakers given factors like age, social class, gender, etc, variables typically studied by traditional sociolinguistic research. Providing an account of the sociolinguistic factors that influence /r/-liaison usage and therefore language-internal variation is not only of interest to traditional sociolinguistics but also to Cognitive Linguistics, where recent discussions advocate that a genuinely cognitive approach should take into consideration cultural and social aspects of language and cognition (see e.g. Croft, 2005; Geeraerts, 2003, 2005; Harder, 1999; Hougaard, 2005; Kristiansen, 2003; Kristiansen & Dirven, forthcoming; Sinha, 1999). These discussions claim that, as long as Cognitive Linguistics takes the claim that it is a usage-based approach to language, it
should take into account the rich and complex patterns of intralingual variation, which are far from descriptive studies carried out at the level of ‘a language’ that provide a picture of a supposedly homogeneous and idealized speech community.

As a case in point, it has been suggested that there might be gender differences in the sense that females would tend to use less intrusive /r/’s than males given that intrusive /r/ is contrary to the overtly prestigious usage in the community and that females tend to use prestigious variants (Bauer, 1984: 76; Coates, 1993: 183; Dubois & Horvath, 1999: 299; Labov, 1990: 213). It has also been pointed out that the use of /r/-liaison is a notable field of cross-speaker variation (Lewis, 1975: 39). All factors being equal, some speakers might always use /r/-liaison, use it variably, or never use it at all. In this respect, most accounts of /r/-liaison in RP claim that the phenomenon is variable (e.g. Bauer, 1984; Lewis, 1975), although it has been occasionally suggested that some people (at least in the South of England) do not use linking /r/ at all (Jones, 1956: 113).

Another aspect of /r/-liaison is its linguistic component in the sense of distributional, structural or frequentational factors that might play a role in /r/-liaison usage. For instance, variability in the use of /r/-liaison could be due to the position of the potential intrusive /r/ context in the word. In this respect, intrusive /r/ could be less frequent in word-internal cases where a morpheme is preceded by a prefix (e.g. hyper-, super-, etc.)2 or followed by a suffix (e.g. –ing, -al, etc.) than across word boundaries (Gimson, 1980: 304; Lewis, 1975: 40-41). This might again be due to the few cases of hiatus in word-internal position involving non-high vowels followed by another vowel, which might make speakers more aware of intrusive /r/- and thus try to avoid it-. As far as linking /r/ is concerned, there appears to be no variability in prefixed or affixed words (García-Lecumberri & Maidment, 2000: 34; Wells, 1982: 1982: 224; Wells & Colson, 1971: 94). In contrast, linking /r/ could be used variably in compounds, since the different elements in the latter are not so strongly 'glued' together as in other polymorphemic words, and certain word boundary phenomena like /r/-liaison might operate or not. Not surprisingly, Jones (1960: 196) comments that /r/ is “...generally inserted in compound words” (emphasis added), which suggests that linking /r/ in compounds is not a categorical phenomenon. Another linguistic factor that could influence variability in the use of /r/-liaison is lexicalisation -or entrenchment

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2 In the case of the prefixes extra-, infra-, supra- the presence of /r/ at the beginning of the syllable might also contribute to the low frequency of intrusive /r/ in word-internal position in words containing these prefixes.
of the /r/ in certain groups of words and expressions/collocations. For instance, intrusive /r/ might be lexicalised in expressions such as the idea of. In this respect, Jones (1956: 113) claims that there are people who restrict the use of linking /r/ to very common expressions like for instance or after all. This may also apply to collocations -sequences of words or terms which co-occur more often than would be expected by chance-.

The last aspect of /r/-liaison is its phonetic component, i.e. the fact that use of /r/-liaison could be conditioned by articulatory and/or acoustic aspects. Providing an account of such factors is essential in any phonological study since it is at present widely acknowledged in phonological work that phonetics not only can but that it should provide explanations of the processes and phenomena that phonology deal with (see e.g. Blumstein, 1991; Keating, 1991; Kohler, 1995; Ohala, 1987, 1990; Pierrehumbert, 2000, for related ideas). This is similar to ideas about experientialism and embodiment discussed for categories in the Cognitive Linguistics literature (see e.g. Lakoff, 1987; Rohrer, 2005) in which a central aspect is how the bodily apparatus shapes our linguistic categorisation and conceptualisation. In the same way, phonological categories and processes are also shaped by articulatory, acoustic and auditory factors (as well as cognitive, sociolinguistic and linguistic ones). As a case in point, it has been claimed that the type of vowel phoneme at the end of the syllable that would make the link may have an influence on the use of intrusive /r/. More specifically, it has been claimed that intrusive /r/ could be more frequent after lexical items ending in /a:/ or /ɔ:/ than after those ending in a central vowel (Broadbent, 1991: 301; Hay & Warren, 2002; Hay & Sudbury, 2005: 810) given that there are important acoustic similarities between rhotic approximants and back vowels like the presence of a low L2 (Ladefoged & Maddieson, 1996; Ladefoged, 2001; Stevens, 1998: 288, 545; Peterson & Barney, 1952).

Another phonetic factor affecting variability in the use of /r/-liaison could be the presence of /r/ at the beginning of the syllable that would make the link, as in a [r]oar of laughter or Victo[r]ia and Albert. In these cases, according to Jones (1956: 112-113), /r/ is not as a rule inserted. Windsor Lewis claims that the link is generally made (Lewis, 1975: 38); but Brown (1988: 145) says that /r/-liaison seems to occur “less readily”. Irrespective of the frequency of /r/-liaison in these cases, the reason for avoiding the former when the syllable that would make the link begins with /r/ could be motivated by the lack of preference for similar or identical sounds in the same
environment. In the history of a language, this often leads to dissimilation or the process by means of which similar consonant sounds in a word become different over time. In fact, avoidance of two adjacent r-sounds is often mentioned as a typical case of dissimilation (e.g. Ashby & Maidment, 2005: 142) as in Latin ['marmor] developing into Modern Spanish ['marmol] ('marble’) or British English ['ma:bəl]

Given the few empirical studies available on /r/-liaison usage, the aim of the present paper is to provide more empirical evidence to gain a better understanding of /r/-liaison in non-rhotic English, more specifically in the accentual variety known as RP. More specifically, the research questions investigated in this paper are:

1) are there significant differences in the use of linking /r/ and intrusive /r/?
2) is avoidance of /r/-liaison more common in female speakers than male speakers?
3) are there speakers who never produce linking /r/?
4) is intrusive /r/ more common after a central vowel than after back vowels?
5) how frequent is intrusive /r/ at word-internal morpheme boundaries in polymorphemic words (excluding compounds)?
6) does /r/-liaison occur invariably in compounds?
7) is /r/-liaison generally avoided when the syllable likely to make the link begins with /r/?
8) how frequent is /r/-liaison in common expressions/collocations?

Based on previous discussions in the relevant literature, the hypotheses entertained in this paper are that: a) there will be significant differences in the rate of use of linking /r/ and intrusive /r/; b) female speakers will avoid /r/-liaison more often than male speakers; c) there will be no speakers who never use linking /r/; d) intrusive /r/ will be more common after back vowels (e.g. /ɑ:/ and /ɔ:/) than after central vowels; e) intrusive /r/ will be a very infrequent phenomenon at word-internal morpheme boundaries in polymorphemic words; f) /r/-liaison will be found variably in compounds; g) /r/-liaison will be generally avoided when the syllable that would make the link begins with /r/; h) /r/-liaison will be very frequent in common expressions/collocations.
2.1. Method

Data

307 texts from the news archives of the BBC World Service website (see URL 1) were used in order to gain the evidence necessary to answer the research questions formulated above. This resource was chosen because most newsreaders are RP speakers so the archives provide a large amount of data on this accent.

Among the characteristics of the texts analysed for this study are that they are free of charge and are readily available on the BBC World Service website both as RealPlayer audio files (see URL 2) and as written passages. Most audio files also have relatively good (even studio-like) sound quality. The archives contain texts arranged by year starting from 2001 to the present moment. However, for this study, only the news archives corresponding to the years 2004 and 2005 were investigated. Another feature of the corpus is that, almost without exception, individual texts are read by a single newsreader, although texts occasionally include brief excerpts spoken by interviewees (RP speakers or not) or sound (music, noises, etc.). Finally, most texts are preceded by a written introduction with no spoken counterpart and they are followed by specific words/expressions that the text features in bold (since it is a learning resource) with an explanation of their meaning and an additional audio file (typically recorded by a speaker other than the newsreader). The written introduction, the featured words and the additional audio file were not analysed in this study.

Appendix A at the end of this paper contains the title of the different newscasts, date of broadcast, name of the newsreader and gender (M = male; F = female) and a reference number arbitrarily assigned to each of the texts for later analysis. The appendix also includes an indication of the relevance of the text for the current study (A = analysed; NA = not analysed). The criteria for a given text to be analysed were: a) that the text should be read by an RP speaker; b) that the name of the newsreader, even in the case of RP speakers, should be identified; c) that the text should be available as an audio file at the time the study was conducted (since failed links are occasionally found due to technical problems of the website); d) that the text should be read by a professional newsreader (on a few occasions the texts are live recordings by the protagonists of news, interviewees, etc.).
These requirements ruled out 38 texts that were not read by an RP speaker, three texts (no. 195, 278 & 294) that were read by individuals other than newsreaders like businessmen, spokesmen, etc., two texts (no. 47 & 155) for which the identity of the newsreader was not known, and one text (no. 222) that was technically unavailable at the time the study was conducted. Thus, out of the 307 texts of the 2004-2005 news archives, only 263 available at the time this study was conducted were analysed. This represents 86% of the entire 2004-2005 corpus.

Appendix A also contains, for the texts technically available and read by identified RP speakers, the number of words and duration of the broadcast. Using Windows Word, Windows Excel and RealPlayer facilities the total number of words and duration of texts was measured for each individual text and for the whole corpus analysed. As far as the number of words is concerned, the texts ranged from 98 (texts no. 139 & 277) to 288 words (text no. 115). The whole corpus contained 49,082 words according to the authors’ analysis. Word counts also involved taking away the paragraphs corresponding to speech other than the newsreaders’ (e.g. interviewees’ appearances) as well as comparing the written and spoken versions of the same text for differences between both which might affect word counts and analyses. This comparison involved adding to or deleting words from the written version if discrepancies were found between the written and spoken versions, contracting words in the written version -e.g. there is → there’s- if a contracted form was found in the spoken version, etc. Time was also measured, taking away from the measured duration of each text those fragments by speakers other than the newsreaders or fragments of music/noise over 3 seconds long. According to the authors’ analysis, the whole corpus of identified RP speech lasts for around 4 hours, 20 minutes and 57 seconds.

Speakers

The texts from the 2004-2005 archives were produced by at least 152 BBC newsreaders, a relatively homogeneous group as far as social class is concerned (if the latter is defined with reference to the speakers’ professional activity -i.e. broadcasting-).

The newsreaders were identified as male or female by the quality of their voice and by their name, provided next to the written version of the text. In addition, each newsreader was identified as an RP/non-RP speaker based on a number of features like presence or absence of rhoticity and typical segmental inventories described for the
accent. As far as the RP speakers are concerned, most of them can be defined as Mainstream RP (Wells, 1982) or General (Gimson, 1980) speakers; there are presumably cases of Adoptive RP (Wells, 1982) and speakers with more conservative pronunciations like Jane Peel or Red Harrison. However, no distinction is made in this paper between subtypes of RP in relation to the occurrence of /r/-liaison in this accent. Regarding the non-RP speakers, some of them were rhotic. In addition, a few non-rhotic speakers were excluded from the study for having an accent sharing many features with RP (i.e. near-RP) but having conspicuously regional features like the use of labiodental approximants for /r/ (e.g. Louisa Lim), typical of South-eastern England (see e.g. Foulkes & Docherty, 2000), northern English characteristics like use of /ʊ/ instead of /ʌ/ in an otherwise RP-like accent (e.g. Adam Easton), southern-hemisphere features like open start of /eɪ/ (e.g. Kylie Morris) or American English influence in flapped /t, d/ and retroflex /r/’s (e.g. Gina Wilkinson).

Appendix B contains a list with the names of the newsreaders in the 2004-2005 news archives next to a reference number arbitrarily assigned to each of the texts in the corpus. The speakers are divided into groups depending on their profession (BBC newsreaders/individuals other than news readers), gender (male/female), accent (RP/non-RP) and identity verification (identified/non-identified), i.e. whether their name was identified in the text or not. Table 1 also shows the number of identified and unidentified female and male speakers (RP and non-RP) from the 2004-2005 news archives.

|          | Females |          | Males |          | Females & Males |
|----------|---------|----------|-------|----------|-----------------|
|          | Identified | Unidentified | Identified | Unidentified | Identified | Unidentified |
| RP speakers | 38       | 1         | 92    | 1         | 130     | 2           |
| Non-RP speakers | 10     | 0         | 12    | 0         | 22     | 0           |

Table 1. Number of identified and unidentified female and male speakers (RP and non-RP) in the BBC World Service 2004-2005 news archives.

As Table 1 reveals, the identity of 130 RP speakers out of a potential figure of 132 was verified. The figures also reveal a disproportion in the gender groups since female RP speakers are less numerous than male ones (29% vs. 71% respectively). These figures are similar if identified non-RP speakers are also taken into account (32% vs. 68%). It should also be noted that the number of texts analysed (i.e. 263) is not the same
as the number of RP newsreaders (males and females combined), i.e. 130. This is due to
the fact that some newsreaders broadcast more than one text (see appendix B for
details).

**Procedure**

Only the texts read by identified RP speakers and available at the time this study
was conducted were analysed (i.e. 263). For each text, its written version was copied
and pasted into a Word document where the potential /r/-liaison contexts were
identified. The identification process involved reading the texts for potential
environments and marking them (intrusive /r/ -in bold-, linking /r/ -underlined-).

Regarding the issue of what a potential context can be, the following criteria were
followed. First, as Wells remarks (1982: 224; 1994: 198), the weakening to schwa of the
final RP diphthong in words like *window*, *pillow*, etc. (i.e. /əʊw/), typical of some
regional accents, is resisted by RP, where an unstressed diphthong is still the norm.
Therefore, examples like “…neighbouring *Kosovo and Macedonia*…” (text no. 170)
were not considered as examples of potential intrusive /r/.

Second, words ending in a non-high vowel phoneme with orthographic <r> (for
linking /r/) or without orthographic <r> (for intrusive /r/) and followed by the personal
pronouns he and him, the possessive adjectives/pronouns his and her, the reflexive
pronouns himself and herself and three forms of the verb to have (i.e. have, has, and
had) were considered as potential contexts only if loss of /h/ had previously occurred.
The loss of /h/ in these cases produces a context of adjoining vowels (e.g. “…but soft
where *(h)is* father was…”, text no. 102) and thus the necessary conditions for potential
/r/-liaison (Knowles, 1987: 133-134).

Third, it has often been claimed that linking /r/ is categorical in word-internal
position, even if it is in-between two morphemes. For example, García-Lecumberri and
Maidment (2000: 34) claim that “if the orthographic r is in the middle of a word
followed by a vowel, /r/ must be pronounced: bearing /ˈbeərɪŋ/ NEVER /ˈbeərn/”
capitals and italics in the original). Given this, word-internal cases of linking /r/ in
polymorphemic words made of prefix + stem (e.g. *hyper-inflation*, text no. 131) or stem
+ suffix (e.g. *ignoring*, text no. 54) should not be considered as ‘potential’ contexts of
linking /r/ in this study. However, as stated in the Introduction, it has sometimes been
claimed that word-internal linking /r/ might not be found in compounds. For this reason, compounds were considered as potential cases of linking /r/ in this study but polymorphemic words made up of stem + suffix or prefix + stem or any other monomorphemic words containing orthographic r in word-internal position (e.g. sorry) were not.

With these considerations in mind, searches for typical orthographic contexts, and specific lexical items mentioned in the literature -or found through the sound search tool of EPD- (Roach et al. 2003) were performed using the Search tools available in Microsoft Word. These searches were carried out to minimise the possibility of overlooking or missing any potential contexts. In the case of linking /r/, the combinations <r> and <re> were checked with a space after them, which leads to word boundaries, or with a punctuation mark after <r> or <re> (e.g. r, r. r: r; r- r - r? r! r” r) r* r’ r> r#).

Regarding intrusive /r/, both word-internal and word-boundary contexts were considered. In the case of word-internal positions, combinations of the letter <a> plus another vowel letter were searched for (e.g. <ai>, as in concertinaing) as well as the digraph <aw> followed by another vowel letter (e.g. <awa>, as in withdrawal; <awi>, as in drawing; <awe>, as in awe-inspiring) or <y> (e.g. strawy). Across word-boundaries, the combinations <a> and <aw> were checked with a space after them or the same letters followed by a punctuation mark (i.e. a, a. a: a; a- a - a? a! a” a) a] a* a’ a> a#). In addition, words ending in orthographic <ah>, <eh>, and <agh> were searched for since many words of non-Saxon origin (especially Arabic, Hebrew and Celtic) are often spelled in this way (e.g. Abdullah, Jehovah, Methuselah, Rafah, Omagh, Nineveh, etc.) as well as a few words like yeah. Other marginal spellings were also inspected like <oi>, as in moi, <ois> as in bourgeois, <ieu> as in milieu, <as> as in Degas or <urgh> as in Oxburgh(ˈɒksbrə/, see e.g. text no. 238).

For both linking /r/ and intrusive /r/, the search options <r->, <re->, <aw-> or <awe-> were sufficient to detect hyphenated compounds (e.g. near-obsession, text no. 87). Open form compounds (e.g. Far East, text no. 99) or closed form compounds (e.g. firearm, text no. 30) were identified manually. In the case of orthographic <r> or <re> followed by he, him, his, her, himself, herself, have, has or had, the corresponding texts were listened to in order to decide whether the /h/ had been dropped. If so, the expression was considered as a potential context of /r/-liaison. This inspection revealed,
as Bauer has suggested (1984: 77), that it is probably the exception rather than the rule - at least in broadcast speech- to delete /h/ in these cases.

Next, texts were analysed auditorily for the occurrence/non-occurrence of intrusive /r/ in the potential contexts identified. Decisions were generally quickly reached as to the appearance or not of an instance of /r/-liaison. However, in a few cases, auditory analysis was considered insufficient and spectrographic analysis of the relevant sound files was necessary. Two types of cases needed particular attention. The first was uncertainty about the presence of /r/. In this respect, it has long been noted that /r/ is characterised by a low F3 which, although it is not true for all rhotics in the languages of the world (see e.g. Ladefoged & Maddieson, 1996: 244; Lindau, 1985), is a well-justified specification at least for American and British English post-alveolar and retroflex approximants (ibid.). Thus visual inspection of the corresponding spectrogram(s) and presence/absence of a prominent low F3 was considered the criterion for determining the presence/absence of an r-sound (see e.g. Figure 1). The second case involved analysis of sequences of /r/+a/potential /r/-liaison, for which some authors (e.g. Brown, 1988: 145; Lewis, 1977: 30-31) claim that speakers often omit the schwa and prolong the /r/, making it syllabic. Presence of a long [ɹ] was considered as an instance of /r/-liaison, previous to the elision of schwa.

In order to carry out the spectrographic analysis, sound was captured using Total Recorder (see URL 3), a commercial sound recording program that records PC audio from almost any source, including streamed audio from programs like RealPlayer and
Windows Media Player. Once saved as an audio file, the Speech Filing System (SFS), a free program for speech research developed at UCL (see URL 4) was used to carry out spectrographic inspection of the sound files.

Appendix C shows, for female and male speakers separately, the potential intrusive /r/ contexts associated to a given text reference number. A specification of the phoneme involved in the potential liaison as well as an indication of whether an intrusive /r/ is actually inserted in each context is also provided. Appendix D shows, also for both groups, the potential linking /r/ contexts as well as the contexts associated to their text reference number and an indication of whether a linking /r/ was inserted or not.

2.2. Results and Discussion

The results obtained from the analysis of the corpus investigated provide some answers to the research questions formulated in this paper in relation to /r/-liaison usage in a non-rhotic accent of English like RP. The analysis shows, in general terms, that absence of linking /r/ is very frequent since the percentage of linking /r/ occurrences in the corpus (females and males combined) is less than two thirds of all potential cases (i.e. 59%). This relatively low percentage of linking /r/ could be due to the careful, speech-conscious style of the news. In fact, it has been claimed that “use of linking/intrusive /r/ is a feature of fluent colloquial style, and is not so common in careful declarative style” (Brown, 1988: 145). The low percentage could also be partly due to the tendency among some speakers, to eliminate intrusive /r/ from their speech. Having been told it is slovenly or vulgar (Wells & Colson, 1971: 95), many speakers eliminate intrusive /r/ only “at the expense of eliminating linking /r/’s too” (ibid.). In this respect, studies with scripted speech read by newscasters have shown similar tendencies in other languages, with speech being closer to canonical forms than casual speech (see e.g. Torstensson, 2004). The results also show that intrusive /r/ is not a very frequent phenomenon in broadcast RP, and perhaps –like linking /r/ less frequent than in colloquial, unscripted speech like (Brown, 1988: 145). In a corpus of almost 50.000 words and out of 165 potential cases (males and females combined), only 52 cases were found, which represents less than a third (31.5%) of all potential cases. This finding is similar to percentages of intrusive /r/ occurrence found in other non-rhotic accents like
Tyneside, with a rate of around 20% (e.g. Watt & Milroy, 1999) or New Zealand English, with a rate of around 30% (Hay & Warren, 2002).

An important finding in this study in relation to the percentages of usage of both linking /r/ and intrusive /r/ is that the differences in rate are not random. More specifically, a chi-square test shows that there are statistically significant differences between the use of linking /r/ and intrusive /r/ ($X^2(1)=37.812$, $p<0.05$), although a Cramer’s V test, which measures the strength of association or dependency between two (nominal) categorical variables in a contingency table, shows that the association is not very strong ($0.181$, $p<0.05$). Figure 2 shows the differences between linking and intrusive /r/ (males and females combined). This shows, in some way, that the phenomenon is stigmatised since, if driven by analogy, there should not be great differences in percentage of use between intrusive /r/ and linking /r/. The hypothesis entertained then for the first research question investigated in this study is therefore confirmed.

![Figure 2. Difference between linking and intrusive /r/ (males and females combined)](image)

The second research question investigated in this paper refers to whether avoidance of /r/-liaison is more common in female speakers than in male speakers. The results obtained are summarised in Table 2. Figure 3 also shows the percentages of /r/-liaison usage by both male and female speakers. Regarding linking /r/, out of 216 potential cases in the females’ data, 120 linking /r/’s were produced. In the males’ data, out of 768 potential cases, 450 linking /r/’s were found. These figures represent, respectively, 55.5% and 59% of all potential cases in each group. This shows that male newsreaders used linking /r/ more often than women so the hypothesis entertained is confirmed as far as linking /r/ is concerned. The analysis of the data also reveals that out of 29 potential cases of intrusive /r/, females produced only 7 whereas men produced 45 out of 136 potential cases. The percentage of intrusive /r/’s in each group is,
respectively, 24% and 33%, which again confirms the hypothesis that men produce more intrusive /r/’s than women.

Chi-square tests show, however, that the differences between men and women are not statistically significant for either linking /r/ ($X^2(1)=0.876, p=0.349>0.05$) or intrusive /r/ ($X^2(1)=0.532, p=0.466>0.05$). As far as intrusive /r/ is concerned, two explanations seem to be readily at hand for the observed patterns. On the one hand, taking for granted that the phenomenon is equally stigmatised for both groups, intrusive /r/ could be in principle less frequent in the female population but, perhaps, the male newsreaders analysed are, as a group, more conscious of the stigmatised nature of the phenomenon, conditioned by the formal context of newsreading, and make more efforts to avoid it with the result that the differences between the rates of occurrence of /r/ are not statistically significant.

On the other hand, and also taking for granted that intrusive /r/ is equally stigmatised for both groups, it might be claimed that once females have access to a labour market traditionally monopolised by men, the former tend to imitate men in different ways, including males’ speech habits (Coates, 1993: 10). If this applies to /r/-liaison, it would mean that women tend to use intrusive /r/ as often as men in imitation of the latter.

![Figure 3. Difference between males and females in the pronunciation of intrusive and linking /r/](image)

|          | Potential cases | Linking /r/ | Percentage of linking /r/ | Intrusive /r/ | Potential cases | Intrusive /r/ | Percentage of intrusive /r/ |
|----------|----------------|-------------|----------------------------|---------------|----------------|----------------|-----------------------------|
| Females  | 216            | 120         | 55.5                       | 29            | 7              | 24             |
| Males    | 768            | 450         | 58                         | 136           | 45             | 33             |
| Females & males | 984     | 570         | 58                         | 165           | 52             | 31.5            |

*Table 2. Number of potential /r/-liaison contexts, actual instances and percentages of use: females, males, and both groups combined.*
The third research question studied asked whether there are RP speakers who never produce linking /r/. This research question was motivated by Jones’s claims, at the middle of the twentieth century, that “a great many Southern people” did not use linking /r/ “at all” (Jones, 1956: 113), an assertion less strongly expressed by the same author when he claimed to be “an increasing tendency, especially among younger people, not to use linking /r/ at all” —emphasis added— (Jones, 1960: 197). The hypothesis entertained in this study is that there would not be speakers, at present, who never use linking /r/ since it is assumed that linking /r/ is too widespread a phenomenon for it to be avoided on every single occasion by a given speaker in RP.

It must be born in mind that, since the data analysed were not elicited by the author but are already available from the BBC website, the number of potential linking /r/ contexts per person is variable, with speakers for whom there is no context at all or for whom there are many contexts. The situation is similar in the case of intrusive /r/. Most importantly, since a single potential context cannot provide information as to within-speaker variability in the production of /r/-liaison, only data from speakers for whom more than one potential context could be identified were analysed. In the analysis of the results, there were only two speakers for whom there was no potential instance of linking /r/. For the remaining 128 speakers considered, Table 3 below offers the number of newsreaders (females/males) who produced at least one linking /r/ in the potential cases found in their newscasts and those who did not produce any linking /r/ at all. The data show that there are no speakers in the corpus who never produce linking /r/ if six or more potential cases are found in their newscasts. In addition, out of the 21 speakers who had five cases, there was only one (Paul Keller, text no. 27) who did not produce any linking /r/ at all. Further inspection of the archive (previous years and current news) should be carried out to find out whether this particular speaker actually does not produce any linking /r/ in his broadcast speech. For the remaining number of speakers for whom four or fewer cases of linking /r/ were identified, most speakers (42) pronounced at least one linking /r/ and for those who did not (i.e. 12), the potential cases are too few to draw any solid conclusion given that, with a larger number of potential cases, speakers with five or fewer number of potential cases in the corpus could be found to produce at least one linking /r/.

In sum, the data discussed above offer little evidence in support of the claim that there are speakers who never produce any linking /r/ in their speech, which seems to put
into question Jones’s claim that there are speakers who never produce linking /r/ (at least in RP). If the phonetician’s impressions were accurate (as they probably were), his claims may have referred to a particular tendency no longer on the increase and/or widespread even if the speech under analysis comes from scripted broadcast speech, in which a higher percentage of /r/-liaison avoidance than in colloquial, spontaneous speech could be expected.

The fourth research question investigated in this paper looked at whether intrusive /r/ is more common after a central vowel than after back vowels. In the data analysed, the phonemic contexts after which an intrusive /r/ could have been inserted are /ə/ preceded by a consonant (C+/ə/), stressed diphthongal /ɪə/, unstressed, disyllabic /i.ə/, disyllabic /i:.ə/ (stressed on /i:/), and /ɔ:/ (see Table 4 below). These contexts are within what can be expected a priori, since intrusive /r/ has often been claimed to be extremely rare after (final) central vowels other than schwa, particularly /eə/, /uə/, or /ɔ:/ simply because native words containing those vowels at morpheme boundaries and not followed by historical /r/ are almost non-existent (Brown, 1988: 150; Collins & Mees, 2003: 105; Wells & Colson, 1971: 95). Despite this, there is one example of /eə/ in the corpus (Qureia, text no. 177). It is more remarkable, however, that no example of intrusive /r/ after /a:/ was found in the corpus when the literature seems to suggest, by discussing /ɔ:/ and /a:/ together and offering as many examples of the latter as of the

| No. of contexts | Females | Males | No. of contexts | Females | Males |
|-----------------|---------|-------|-----------------|---------|-------|
|                 | One linking /r/ or + | No Linking /r/’s | one linking /r/ or + | No Linking /r/’s | One linking /r/ or + | No Linking /r/’s | One linking /r/ or + | No Linking /r/’s |
| 1               | 2       | 1     | 6               | 3       |       |       |       |       |
| 2               | 1       | 3     | 6               | 1       |       |       |       |       |
| 3               | 2       | 1     | 14              | 1       |       |       |       |       |
| 4               | 4       | 1     | 7               | 1       |       |       |       |       |
| 5               | 8       | --    | 12              | 1       |       |       |       |       |
| 6               | 2       | --    | 8               | --      |       |       |       |       |
| 7               | 4       | --    | 1               | --      |       |       |       |       |
| 8               | 1       | --    | 4               | --      |       |       |       |       |
| 9               | 2       | --    | 3               | --      |       |       |       |       |
| 10              | 1       | --    | 3               | --      |       |       |       |       |
| 11              | 3       | --    | 2               | --      |       |       |       |       |
| 12              | 1       | --    | 2               | --      |       |       |       |       |
| 13              | --      | --    | 1               | --      |       |       |       |       |
| 15              | --      | --    | 1               | --      |       |       |       |       |
| 16              | --      | --    | 1               | --      |       |       |       |       |
| 17              | --      | --    | 1               | --      |       |       |       |       |
| 18              | 1       | --    | 3               | --      |       |       |       |       |
| 19              | --      | --    | 2               | --      |       |       |       |       |
| 20              | --      | --    | 1               | --      |       |       |       |       |
| 21              | --      | --    | 1               | --      |       |       |       |       |
| 22              | --      | --    | 1               | --      |       |       |       |       |
| 23              | --      | --    | 1               | --      |       |       |       |       |
| 24              | --      | --    | 2               | --      |       |       |       |       |
| 25              | --      | --    | 2               | --      |       |       |       |       |
| 26              | --      | --    | 2               | --      |       |       |       |       |
| 27              | --      | --    | 1               | --      |       |       |       |       |
| 28              | --      | --    | 1               | --      |       |       |       |       |
| 29              | --      | --    | 1               | --      |       |       |       |       |
| 30              | --      | --    | 1               | --      |       |       |       |       |
| 31              | --      | --    | 1               | --      |       |       |       |       |
| 32              | --      | --    | 1               | --      |       |       |       |       |
| 33              | --      | --    | 1               | --      |       |       |       |       |
| 34              | --      | --    | 1               | --      |       |       |       |       |
| 35              | --      | --    | 1               | --      |       |       |       |       |
| 36              | --      | --    | 1               | --      |       |       |       |       |
| 37              | --      | --    | 1               | --      |       |       |       |       |
| 38              | --      | --    | 1               | --      |       |       |       |       |
| 39              | --      | --    | 1               | --      |       |       |       |       |
| 40              | --      | --    | 1               | --      |       |       |       |       |
| 41              | --      | --    | 1               | --      |       |       |       |       |
| 42              | --      | --    | 1               | --      |       |       |       |       |
| 43              | --      | --    | 1               | --      |       |       |       |       |
| 44              | --      | --    | 1               | --      |       |       |       |       |
| 45              | --      | --    | 1               | --      |       |       |       |       |
| 46              | --      | --    | 1               | --      |       |       |       |       |
| 47              | --      | --    | 1               | --      |       |       |       |       |
| 48              | --      | --    | 1               | --      |       |       |       |       |
| 49              | --      | --    | 1               | --      |       |       |       |       |
| 50              | --      | --    | 1               | --      |       |       |       |       |
| 51              | --      | --    | 1               | --      |       |       |       |       |
| 52              | --      | --    | 1               | --      |       |       |       |       |
| 53              | --      | --    | 1               | --      |       |       |       |       |
| 54              | --      | --    | 1               | --      |       |       |       |       |
| 55              | --      | --    | 1               | --      |       |       |       |       |
| 56              | --      | --    | 1               | --      |       |       |       |       |
| 57              | --      | --    | 1               | --      |       |       |       |       |
| 58              | --      | --    | 1               | --      |       |       |       |       |
| 59              | --      | --    | 1               | --      |       |       |       |       |
| 60              | --      | --    | 1               | --      |       |       |       |       |
| 61              | --      | --    | 1               | --      |       |       |       |       |
| 62              | --      | --    | 1               | --      |       |       |       |       |

Table 3. Number of newsreaders (females/males) who produced or did not produce at least one linking /r/ against the number of potential contexts of linking /r/ in the different texts analysed.
former, that intrusive /r/ is as common after /ɔ:/ as after /ɑː/. Examples of intrusive /r/ after /ɔ:/ involve two examples of saw[r] a (texts no. 58 and 125), four instances of the word withdraw[r]al (texts no. 60, 139 and 174), and one instance of the expressions draw[r] up (text no. 146), law[r] in (text no. 5), claw[r] its way (text no. 128), draw[r] in (text no. 187), Pattern Law[r] Office (text no. 232), law[r] enforcement (text no. 289), a fla[r]w in (text no. 289).

| Preceding vowel context | Potential cases | Intrusive /r/ | Percentage of intrusive /r/s |
|-------------------------|-----------------|---------------|-----------------------------|
|                         | F   | M   | C   | F   | M   | C   | F   | M   | C   |
| C+/ə/                  | 21  | 80  | 101 | 5   | 21  | 26  | 24  | 26  | 26  |
| /ɪə/                   | 0   | 5   | 5   | 0   | 2   | 2   | --  | 40  | 40  |
| /iːə/                  | 6   | 32  | 39  | 1   | 10  | 11  | 17  | 31  | 28  |
| /eə/                   | 1   | 1   | 2   | 0   | 0   | 0   | 0   | 0   | 0   |
| Final central vowels combined | 28  | 119 | 147 | 6   | 33  | 39  | 23  | 28  | 27  |
| /ɔː/                   | 1   | 17  | 18  | 1   | 12  | 13  | 100 | 71  | 72  |

Table 4. Potential cases of intrusive /r/, actual occurrences and percentages by previous vowel context: data from females (F), males (M) and both groups combined (C).

Table 4 shows that the percentage of intrusive /r/ after a central vowel, combining the individual results of the different final phonemic contexts identified in the corpus (i.e. C+/ə/, /ɪə/, /iːə/ and /eə/), is 27%, with little difference between female newsreaders (23%) and male ones (28%). These data are similar to the ones that consider only C+/ə/, by far the most common central vowel context in the corpus. The percentage of intrusive /r/ s after C+/ə/ (females and males combined) is 26%, a figure that is also similar to the percentage of intrusive /r/’s after /iːə/ (i.e. 28%), the second most common central vowel context after C+/ə/. Most interestingly, the percentage of intrusive /r/’s after /ɔː/ (72%, males and females combined) is much higher than that of the central vowels combined (see also figure 4), and the difference is statistically significant by a chi-square test ($X^2(1) = 15.142, p<0.05$) although the association is not very strong by a Cramer’s V test (0.305, $p<0.05$). The results are also in sharp contrast with claims in the literature in the sense that intrusive /r/ would be more common after central vowels given that there are fewer cases of it after back vowels, which might make speakers more aware of intrusive /r/ and therefore these would tend to avoid it.
more (e.g. Brown, 1988: 150; Collins & Mees, 2003: 105; Crystal, 1984: 42; Gimson, 1980: 39, 302-303; Lewis, 1975: 40-41).

The findings obtained, which confirm the hypothesis entertained in this study, could be interpreted as evidence of a greater acceptance of intrusive /r/ after vowels other than schwa, suggesting then a change in attitudes towards the use of intrusive /r/ not only among phoneticians (see e.g. García-Lecumberri & Maidment, 2000: 34) but also by the general speech community (Fox, 1978: 74; Lewis, 1977: 30). However, the high percentage of intrusive /r/ after a back vowel like /ɔ:/ could be due simply to the acoustic similarity between back vowels and rhotic approximants since both are characterised by a low L2 (e.g. Stevens, 1998: 288, 545; Peterson & Barney, 1952), which motivated the hypothesis tested in this study.

![Figure 4. Percentages of intrusive /r/ use after central & back vowels (females & males combined)](image)

FIGURE 4. Percentages of intrusive /r/ use after central & back vowels (females & males combined)

The fifth research question looked at how frequent intrusive /r/ is at word-internal morpheme boundaries. For this analysis, only affixed words were considered, and not compounds. In the corpus analysed, five potential cases of intrusive /r/ across word-internal morpheme boundaries were found. These five examples were four instances of the word *withdrawal* (in texts no. 60, 139 and 174) and one instance of the word *drawing* (text no. 305). Intrusive /r/ was found in all the instances of *withdrawal* (produced by three different speakers) but it did not occur in the word *drawing*.

The data obtained do not confirm the hypothesis entertained that intrusive /r/ is a particularly rare or infrequent phenomenon in word-internal position. However, the few items of potential intrusive /r/ in word-internal position do not permit to make any strong claims about the frequency of the former in that position nor generalisations applicable to words other than *withdrawal*. In this respect, instances of verbs in the gerund form, for instance, should be studied more carefully since it has been suggested, referring explicitly to the word *drawing* that “many speakers of present-day RP
pronounce /r/ in this sort of word” (García-Lecumberri & Maidment, 2000: 34). In fact, a random inspection of broadcasts from other years on the BBC World Service website not analysed for this study revealed that intrusive /r/ is often heard in verbs in the gerund form (e.g. *redrawing* in “European Union Enlargement” by Tim Franks, 9th October 2002). The tentative conclusion that can be drawn, though, is that intrusive /r/ is gaining ground at word-internal morpheme boundaries (at least in the case of /ɔ/ and particularly in the word *withdrawal*). This is not necessarily in contrast with opinions like Wells’s (1982: 225) that there may be “more sentiment against intrusive /r/ word-internally than across word boundaries” or more recent comments that intrusive /r/ is “acceptable between words but is sometimes frowned upon when it occurs within words” (García-Lecumberri & Maidment, 2000: 34). As is well known, speakers’ attitudes to language use do not necessarily match usage and the former are often biased by their sense of linguistic norm.

The sixth research question aimed to find out whether linking /r/ is found in compounds. The expressions that were considered as compounds for the present analysis are included in Appendix E. Out of the 26 compounds analysed, 20 instances of linking /r/ were found (77% of all cases). This confirms the hypothesis entertained in this study that linking /r/ is found variably in compounds and Jones’s (1960) claim that linking /r/ is “generally inserted in compound words” (p. 196) -emphasis added-. As stated in the Introduction, the reason why linking /r/ is not categorical in compounds seems to be that the different elements in compounds are not so strongly ‘glued’ together as in other polymorphemic words with the result that certain word boundary phenomena (e.g. geminated consonants, absence of assimilation, etc.) may or may not operate at the boundaries of the elements of the compound. Interestingly, the same compound is found with and without linking /r/. The compound *red fire ant*, for instance, is pronounced with linking /r/ by Francis Markus (text no. 143) but without it by the same speaker in the same text. Similarly, the recursive compound adjectives that specify the age of an individual, entity, etc. (i.e. *x-year-old*) are also pronounced with linking /r/ (texts no. 11, 42, 70, 194 & 232) or without it (texts no. 74, 183 & 184). Study of intrusive /r/ could not be carried out with compounds since the cases were very few (but see e.g. *euthanasia-in-cambodia-dot-com*, text no. 22 -in which no intrusive /r/ was found-).
Whether /r/-liaison is generally avoided or not when the syllable that would make the link begins with /r/ was the focus of the seventh research question investigated in this paper.

In the corpus analysed, there are 15 potential cases of linking /r/ in which the last syllable making the potential link begins with /r/. These cases involve the words interior, error, rare, terror, manufacturer, the proper name Federer, and the expression there are -with a link already made between there and are- (see Appendix F). Table 5 shows the number and rate of use of linking /r/ and intrusive /r/ in syllables that do and do not begin with /r/ (see also figure 6 for the rates). The analysis of the results shows that linking /r/ is used in 5 cases (33%), a third of all potential cases of linking /r/ preceded by /r/ in the same syllable. This seems to refute the claim that the link is “generally made” (Lewis, 1975: 38) when the syllable begins with /r/ and provides more support to the less strong claim that linking /r/ is “not as a rule inserted” (Jones, 1956: 112) in this context. As far as the hypothesis entertained in this study is concerned (i.e. that /r/-liaison will be generally avoided when the syllable that would make the link begins with /r/), the results obtained provide some support to the hypothesis.

Regarding intrusive /r/, there are 27 potential cases in the corpus in which the syllable likely to make the link begins with /r/ and 9 instances in which the link is actually made, which represents 33% of all potential cases. However, this percentage is very similar to the rate of intrusive /r/ when the syllable does not begin with /r/ (i.e. 31%) and the differences between both percentages are not statistically significant (2.17%, 95% CI = -17.21, 21.56%, p < 0.05). A Z-Test for 2 sample proportions also shows that the difference in proportions is not statistically significant at a 95% (z-value = 0.222, 1-tailed p = 0.412 > 0.05, 2-tailed p = 0.824 > 0.05). These results seem to suggest that, if there is any tendency to avoid r-sounds in the nearby contexts (i.e. dissimilation), the effect is not appreciated in the corpus analysed for intrusive /r/ probably because the latter occurs at a relatively low rate independently of whether the syllable that would make the link begins with /r/ or not (i.e. 31.5%).
| Type of syllable | Linking /r/ | Intrusive /r/ |
|------------------|-------------|---------------|
|                  | Potential cases | Linking /r/s | Rate of linking /r/s |
| Beginning with /r/ | 15 | 5 | 33 |
| Not beginning With /r/ | 969 | 565 | 58 |
| Total | 984 | 570 | 58 |
|                  | Potential cases | Intrusive /r/s | Rate of intrusive /r/s |
|                  | 27 | 9 | 33 |
|                  | 138 | 43 | 31 |
| Total | 165 | 52 | 31.5 |

Table 5. Number and rate of use of linking /r/ and intrusive /r/ in syllables that do not begin with /r/ and that do begin with /r/.

Interestingly, the rate of linking /r/ when the syllable that would make the link begins with /r/ is the same (i.e. 33%) as the rate of intrusive /r/ in the same condition but the former is lower than the percentage of linking /r/ in syllables that do no begin with /r/ (i.e. 58%). This difference in percentages (i.e. 33% and 58%) is statistically significant (−24.97, 95% CI = −49.03, −0.92%, p < 0.05). A deeper analysis would reveal, though, that the distance between the upper interval (i.e. -0.92) and 0 is not great, so the difference in percentages is significant by very little. In fact, a Z-Test for 2 sample proportions indicates that the significance for difference in proportions is not statistically significant at a 95% (z-value = -1.944, 1-tailed p = 0.026 < 0.05, 2-tailed p = 0.052 > 0.05). The bilateral significance 2-tailed p value is 0.052, which shows that the difference is not statistically significant by very little. As can be seen, the test performed reveals ambiguous results, which may be due to the reduced size of the sample of syllables beginning with /r/ and potential /r/-liaison. This shows that the archive should be expanded to include more potential cases to obtain more conclusive evidence on the effect of the presence of /r/ at the beginning of the syllable that would make the link.

Another interesting aspect in relation to the potential use of intrusive /r/ after syllables that start with /r/ is that out of the 14 potential cases of intrusive /r/ in which the syllable that would make the link begins with a consonant cluster ending in /r/, the link is made in 6 cases (43%), all of them instances of the word withdrawal (4 cases), the verb to draw (2 cases). This seems to provide some support to Lewis’s claim that, often when the link syllable is unstressed and begins with a consonant cluster ending with /r/ (e.g. algebra, Sandra, orchestra, etc.) or contains a syllabic consonant (e.g. Barbara /ˈbɑːbrə/, camera /ˈkæmərə/, opera /ˈɔpərə/, etc.) the link is avoided (ibid.). Surprisingly, though, the percentage is higher than the one in which no cluster is
present, but again this may be due possibly to some sort of lexicalisation or entrenchment specific to the word withdrawal.

The eighth and last research question investigated in this study was how frequent /r/-liaison is in common expressions and collocations. The hypothesis formulated in this study is that /r/-liaison will be frequent in common expressions/collocations.

As far as linking /r/ is concerned, Jones (1956: 113) mentions after all and for example/instance as common expressions where linking /r/ is regularly found. In the corpus analysed, expressions like after all could not be satisfactorily studied since they appear only on one occasion (text no. 108). The same happens to other expressions like a matter of, found only twice (texts no. 113 & 262). After inspecting the corpus, only two expressions seemed to be relatively frequent to merit analysis: for instance/example and the/a number of (see Appendix H). Regarding the expression for instance/example, 13 instances were found in the corpus and in all of them a linking /r/ was found (100%). In the expressions the/a number of, found on 25 occasions, linking /r/ was used in 23 cases (92%). These percentages suggest that linking /r/ may be highly frequent in common expressions and collocations (even categorical or nearly categorical in some cases) and more frequent than the average percentage of linking /r/ in the corpus (females and males combined), i.e. 58% (see Table 2 above). In fact, the difference in percentages is statistically significant in the case of for instance/for example (34.07, 95% CI = 38.99, 45.16%, p < 0.05) and the/a number of (34.07, 95% CI = 23, 45.15%, p < 0.05).

The study of the expressions for instance/example and the/a number of provides then some support to the hypothesis formulated in this study that /r/-liaison will be frequent in common expressions/collocations. This could be interpreted as lexicalisation

Figure 6. Influence of the presence of /r/ in the syllable preceding /r/-liaison.
or entrenchment of /r/-liaison not only in common expressions/collocations but also generally in certain words. This might be the case of the word withdrawal discussed above. Withdrawal is pronounced with intrusive /r/ in all four examples in the corpus, when the expectation would have been that intrusive /r/ in word-internal position should be a rare phenomenon.

Unfortunately, no data can be offered regarding common expressions with potential intrusive /r/. Two relatively common expressions mentioned in the literature like the idea of and law and order could not be studied satisfactorily since the former was only found once (text. no 103) -with intrusive /r/- and the latter was not found in the corpus.

3. Conclusion

The phenomenon of /r/-liaison has long been the focus of academic interest, although detailed empirical studies of the phenomenon have been scarce up to now, most noticeably in the case of RP. Given this scarcity of empirical evidence, the present paper has tried to look into the usage patterns of /r/-liaison in a variety of non-rhotic English called RP. The study was conducted under the assumption, in accordance with much recent work in Cognitive Linguistics, that a data-driven approach provides new insights into the phenomena under investigation and that a thorough understanding of the phenomenon of /r/-liaison (or any other phonological phenomenon) requires an analysis of the different aspects that shape it, discussed in this paper under the headings of cognitive, linguistic, sociolinguistic and phonetic.

The main finding of this study regarding the cognitive component of /r/-liaison is that intrusive /r/ remains a stigmatised phenomenon in RP. The difference between the rate of occurrence of both linking /r/ and intrusive /r/ is statistically significant, which reveals that, although the two processes are phonetically the same, people’s ideas about the correctness of intrusive /r/ are affecting the linguistic usage patterns in their speech. This finding may be incidentally supported by the fact that linking /r/ occurs at a rate (i.e. 59%) possibly lower than would have been expected in colloquial speech, which seems to be a feature of scripted broadcast speech. This lower incidence of linking /r/ could be explained as a result of the tendency to avoid intrusive /r/ from their speech at the expense of eliminating linking /r/s too (Wells & Colson, 1971: 95).
As regards the sociolinguistic component of /r/-liaison, the study reveals that there are no modern RP speakers who never produce linking /r/ and that there are not statistically significant differences between males and females in /r/-liaison usage. This latter finding might be due, as explained above, either to males’ extra efforts to avoid intrusive /r/ -supposedly because they would tend to use it more than women- or to females’ willingness to copy males’ speech habits once the former have access to jobs traditionally monopolised by men like newsreading, where female newsreaders were less common in the middle of the twentieth century and before.

The study conducted also reveals that, as far as the linguistic aspect of /r/-liaison is concerned, intrusive /r/ is not necessarily a rare or infrequent phenomenon in word-internal position, that linking /r/ is frequently inserted in compound words and that linking /r/ is a highly frequent phenomenon in common expressions/collocations, which reveals the effects of linguistic usage as described in the current Cognitive Linguistics literature under the heading of ‘usage-based’ models.

Finally, the study of the phonetic aspect of /r/-liaison reveals that intrusive /r/ is not only common after back vowels like /ɔ:/ but it may also be more frequent than after a central vowel, which may be explained by the phonetic similarity between back vowels and post-alveolar approximants. The study has also shown that /r/-liaison is often avoided when the syllable that would make the link begins with /r/, which can be explained as a tendency to avoid similar sounds in adjacent positions. However, it is not very clear whether there is a statistically significant difference between use of linking /r/ when the syllable that would make the link begins with /r/ and when the syllable does not begin with it. The ambiguous results may be due to the relatively few potential cases found in the corpus, which suggests that the corpus analysed should be expanded to find more evidence in relation to this question. Such an expansion may also help obtain a clearer picture of all the other questions investigated in this study for which more evidence would be welcome (e.g. the frequency of /r/-liaison in word-internal position, compounds, collocations, etc.).

Despite the evidence found, more studies should be conducted in order to gain further knowledge about other factors that may shape the phenomenon of /r/-liaison as they relate to the latter’s different aspects (i.e. cognitive, sociolinguistic, linguistic and phonetic). To start with, and in an attempt to provide more evidence on the cognitive aspect of /r/-liaison, surveys of speakers’ conceptions and perceptions about /r/-liaison
usage should also be conducted to find out, for instance, to what extent intrusive /r/ continues to be perceived as a stigmatised phenomenon.

A limitation in the study of the sociolinguistic aspect of /r/-liaison is that diachronic change could not be investigated since the year of birth of the speakers is not known. In this respect, speakers’ age has been claimed to affect variability in /r/-liaison usage. Jones (1960: 197) claimed that “there appears to be an increasing tendency, especially among younger people, not to use linking /r/ at all” (emphasis added). Bauer (1984: 76), however, found no evidence of a correlation between the use of linking /r/ and the year of birth of the speaker, the year in which the recordings he analysed were made or the speaker’s age at the time of recording. However, Bauer found some (limited) evidence with respect to intrusive /r/ usage suggesting that it was more common among speakers born after 1940. To investigate the influence of the age factor in /r/-liaison usage, preliminary inspections of BBC newscasts from the years 1950’ to 1970’ and also available at the BBC website are being carried out (see URL5). This analysis may provide data regarding changes in the use of /r/-liaison by different generations of broadcasters.

Regarding the linguistic aspect of the phenomenon, it would be interesting to look at potential differences in the occurrence of /r/-liaison due to stylistic variation. According to Brown (1988: 145), there is “clearly stylistic variation in the phenomenon; use of linking/intrusive /r/ is a feature of fluent colloquial style, and is not so common in careful declarative style”. This is contrary to Ramsaran’s (1983) claim that the use of linking /r/ does not vary with formality in RP. Since the corpus studied only contains a formal, careful, declarative style, where speakers tend to be speech-conscious, it cannot offer a picture of /r/-liaison usage in informal, colloquial, spontaneous speech. Further research with non-scripted speech is then needed. A further limitation of this study, as mentioned above, is that it did not allow to study in detail potential cases of intrusive /r/ in word-internal position of affixed words -since these were underrepresented-, in compounds, after certain vowels (particularly after /a:/) or in common expressions like the idea of. Since broadcast speech allows little control over the types and tokens of the phenomena that can be investigated, it would then be convenient to elicit pronunciations from informants recruited by the researcher in order to investigate these issues.

Other questions that have been left unexplored regarding the phonetic aspect of /r/-liaison are whether rhythmic factors (e.g. the stressed/unstressed nature of the syllable following the syllable that makes the /r/-link) or intonational factors (e.g.
presence/absence of an intonation boundary between the syllable making the link and the following vowel) condition /r/-liaison usage in some way. In this respect, Jones (1960: 197) claims that absence of linking /r/ may be common among some speakers particularly when the vowel following the word ending in /r/ is unstressed. A preliminary analysis of the corpus carried out looking at the occurrence of linking /r/ before the unstressed preposition of (see Appendix I) reveals that out of 114 cases of potential linking /r/ before unstressed of, linking /r/ was produced in 95 cases (83%), a figure that is higher than the average rate of linking /r/ in the corpus (i.e. 59%). However, a more detailed study is necessary to provide stronger conclusions on the role of stress in /r/-liaison usage patterns.

All the limitations mentioned above suggest directions for carrying out future research. In any case, as stated in the Introduction, the present paper has aimed to provide more empirical evidence (scarce up to now) on what reveals itself as a very complex, multifaceted phenomenon, i.e. /r/-liaison usage in RP, to gain a better of understanding of this phenomenon.
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URL 1 BBC World Service website. *Learning English* section. http://www.bbc.co.uk/worldservice/learningenglish/newsenglish/

URL 2 RealNetworks, Inc. website, with links to its produce RealPlayer. http://www.realnetworks.com/

URL 3 Highcriteria.com, Inc. website, with links to its product Total Recorder. http://www.highcriteria.com/

URL 4 Free software Speech Filing System (SFS) UCL website. http://www.phon.ucl.ac.uk/resource/sfs/

URL 5 BBC World Service website. *On this Day* section. http://news.bbc.co.uk/ondthisday/hi/years/default.stm
**Appendix A.** Title of newscast, day of broadcast, name of the newsreader and gender (M = male; F = female), and relevance of the text for the study (A = analysed; NA = not analysed). For the texts read by identified RP speakers the number of words and duration of the broadcast is also provided.

### 2005 ARCHIVE

#### December 2005

| Title                              | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|------------------------------------|-----|---------------|------------------|-----------|------------------|------------|------|
| Russia and Ukraine gas price row   | 30  | 1             | Andrew Walker    | M         | A                | 243        | 1:22 |
| Kangaroos 'scared by own noise'    | 28  | 2             | Phil Mercer      | M         | A                | 188        | 1:16 |
| Record breaking Russian boxer returns | 26  | 3             | Steve Rosenberg  | M         | A                | 141        | 0:49 |
| IMF discusses debt relief for 20 countries | 23  | 4             | Mark Gregory     | M         | A                | 243        | 1:24 |
| Education bill backs India poor    | 21  | 5             | Mark Dunnett     | M         | A                | 139        | 0:53 |
| Israel's Prime Minister in hospital | 19  | 6             | James Menéndez   | M         | A                | 146        | 0:51 |
| Polish anger at EU budget plans    | 16  | 7             | Adam Easton      | M         | NA               | 181        | 1:08 |
| Final round of Aceh disarmament    | 14  | 8             | Rachel Harvey    | F         | A                | 181        | 1:04 |
| Cubans remember John Lennon's music | 12  | 9             | Stephen Gibbs    | M         | A                | 141        | 1:18 |
| 200 million dollar typing error    | 09  | 10            | Jonathan Head    | M         | A                | 235        | 1:24 |
| Carol Thatcher wins TV show        | 07  | 11            | Bernadette Kehoe | F         | A                | 164        | 1:00 |
| Spain's greenhouse gas problem     | 02  | 12            | Chris Morris     | M         | A                | 169        | 1:04 |
| Red Cross debates new sign         | 05  | 13            | Imogen Foulkes   | F         | NA               | --         | --   |

#### November 2005

| Title                              | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|------------------------------------|-----|---------------|------------------|-----------|------------------|------------|------|
| Storm season ends                  | 30  | 14            | Roland Pease     | M         | A                | 254        | 1:31 |
| One of Britain's best ever footballers has died | 28  | 15            | Kevin Gearey     | M         | A                | 124        | 0:44 |
| More foreign rice for Korea        | 25  | 16            | Charles Scanlon  | M         | A                | 197        | 1:11 |
| International Emmy TV award results | 23  | 17            | Vincent Dowd     | M         | A                | 207        | 1:19 |
| Aids continues to spread           | 21  | 18            | Elizabeth Blunt  | F         | A                | 233        | 1:24 |
| UN summit on Information Society   | 18  | 19            | Pascale Harter   | F         | A                | 155        | 1:03 |
| John Lennon's killer saw himself as hero | 16  | 20            | Jeremy Cooke     | M         | A                | 203        | 1:04 |
| Remembering war dead               | 14  | 21            | Greg Morsbach.   | M         | A                | 154        | 0:47 |
| Webmaster faces legal action       | 11  | 22            | Guy De Launey    | M         | A                | 200        | 1:12 |
| Riots continue across France       | 09  | 23            | Alasdair Sandford| M         | A                | 140        | 0:46 |
| Olympic torch controversy          | 07  | 24            | Mark Duff        | M         | A                | 216        | 1:14 |
| US economy a year after P. Bush's re-election | 04  | 25            | Andrew Walker    | M         | A                | 246        | 1:15 |
| Rabid Vampire Bats attack humans in Brazil | 02  | 26            | Tom Gibb         | M         | A                | 202        | 1:14 |

#### October 2005

| Title                              | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|------------------------------------|-----|---------------|------------------|-----------|------------------|------------|------|
| A test to be British               | 31  | 27            | Paul Keller      | M         | A                | 227        | 1:29 |
| Oxfam says richer governments not helping | 28  | 28            | Jill McGivering  | F         | A                | 255        | 1:24 |
| Civil Rights icon Rosa Parks dies  | 26  | 29            | Laura Trevelyan  | F         | A                | 182        | 1:05 |
| Brazilians say 'no' to gun control | 24  | 30            | Steve Kingstone  | M         | A                | 193        | 1:09 |
| Tamiflu supply problems            | 21  | 31            | Mark Gregory     | M         | A                | 192        | 1:09 |
| International stem cell bank open  | 19  | 32            | Charles Scanlon  | M         | A                | 188        | 1:07 |
| China’s space plans                | 17  | 33            | Daniel Griffiths | M         | A                | 142        | 0:55 |
| Japan's postal reforms             | 14  | 34            | Andrew Walker    | M         | A                | 127        | 0:47 |
| Blatter blasts football's new money men | 12  | 35            | Stephen Evans    | M         | A                | 171        | 1:07 |
| Pakistan rescue work               | 10  | 36            | Zafar Abbas      | M         | NA               | --         | --   |
| Amazon levels at 30-year low       | 07  | 37            | Simon Watts      | M         | A                | 202        | 1:11 |
| New Orleans job losses             | 05  | 38            | Alistair Leithead| M         | A                | 195        | 1:11 |
| German reunification anniversary   | 03  | 39            | Ray Furlong      | M         | A                | 197        | 1:16 |
### September 2005

| Title                                                      | Day | Text Ref. No. | Speaker             | Sex (M/F) | Relevance (A/NA) | Word count | Time  |
|------------------------------------------------------------|-----|---------------|---------------------|-----------|------------------|------------|-------|
| Internet address argument                                 | 30  | 40            | Julian Siddle       | M         | A                | 212        | 1:13  |
| Scientists find giant squid                              | 28  | 41            | Jackie Dalton       | F         | A                | 146        | 0:55  |
| Red card for Brazilian referee                           | 26  | 42            | Steve Kingstone     | M         | A                | 178        | 1:11  |
| Sony to cut jobs                                          | 23  | 43            | Charles Scanlon     | M         | A                | 174        | 1:02  |
| Growth in air travel harms environment                    | 21  | 44            | Stephen Evans       | M         | A                | 161        | 1:00  |
| Germany's election parties meet                           | 19  | 45            | Ray Furlong         | M         | A                | 185        | 1:07  |
| Two major American airlines face bankruptcy               | 16  | 46            | Guto Harri          | M         | A                | 167        | 1:03  |
| England win the Ashes                                     | 14  | 47            | Unknown             | M         | NA               | --         | --    |
| Koizumi achieves clear election victory                   | 12  | 48            | Jill McGivering     | F         | A                | 172        | 1:07  |
| Ecuador to discuss oil contracts                          | 09  | 49            | Tom Gibb            | M         | A                | 170        | 1:07  |
| India EU trade                                            | 07  | 50            | Roland Buerk        | M         | A                | 158        | 1:00  |
| Destruction of coral reefs                                 | 05  | 51            | Ania Lichtarowicz   | F         | A                | 178        | 1:08  |
| Calculating the cost of Hurricane Katrina                 | 02  | 52            | Andrew Walker       | M         | A                | 257        | 1:31  |

### August 2005

| Title                                                      | Day | Text Ref. No. | Speaker             | Sex (M/F) | Relevance (A/NA) | Word count | Time  |
|------------------------------------------------------------|-----|---------------|---------------------|-----------|------------------|------------|-------|
| Londoners party at street carnival                         | 30  | 53            | Lesley Ashmall      | F         | NA               | --         | --    |
| World slow to face bird flu threat                         | 29  | 54            | Dam. Grammaticas    | M         | A                | 153        | 0:58  |
| Champions' League teams to share 0.5 billion               | 26  | 55            | Harry Peart         | M         | A                | 210        | 1:18  |
| Maradona and the 'Hand of God'                             | 24  | 56            | Harry Peart         | M         | A                | 180        | 1:09  |
| Pope's message to youth festival                           | 22  | 57            | David Willey        | M         | A                | 124        | 0:50  |
| Australian parliament bans the word 'mate'                 | 19  | 58            | Red Harrison        | M         | A                | 189        | 1:12  |
| Venezuela plane crash                                      | 17  | 59            | Jeremy McDermott    | M         | A                | 154        | 0:58  |
| Israel begins Gaza Strip pull-out                          | 15  | 60            | Roger Hardy         | M         | A                | 196        | 1:09  |
| Climber rescued from dangerous peak                        | 10  | 61            | Roland Buerk        | M         | A                | 181        | 1:07  |
| Russian submarine rescue                                   | 08  | 62            | Dam. Grammaticas    | M         | A                | 154        | 0:58  |
| New York subway search                                     | 05  | 63            | Stuart Cohen        | M         | NA               | --         | --    |
| Adidas buys rival Reebok                                   | 03  | 64            | Mark Gregory        | M         | A                | 179        | 1:02  |
| Death of John Garang                                       | 01  | 65            | Martin Piaat        | M         | A                | 193        | 1:18  |

### July 2005

| Title                                                      | Day | Text Ref. No. | Speaker             | Sex (M/F) | Relevance (A/NA) | Word count | Time  |
|------------------------------------------------------------|-----|---------------|---------------------|-----------|------------------|------------|-------|
| World trade talks failing                                  | 29  | 66            | Imogen Foulkes      | F         | NA               | --         | --    |
| Hopes and fears for shuttle Discovery                      | 27  | 67            | Jeremy Cooke        | M         | A                | 189        | 1:09  |
| Australia approves elephant import                        | 25  | 68            | Phil Mercer         | M         | A                | 159        | 1:10  |
| Peru mine crime                                            | 22  | 69            | Hannah Hennessy     | F         | A                | 149        | 0:53  |
| First woman leads Baltimore orchestra                     | 20  | 70            | Oliver Conway       | M         | A                | 140        | 0:49  |
| Spain forest fire                                          | 18  | 71            | Marian Hens         | F         | NA               | --         | --    |
| Debt relief doubt                                          | 15  | 72            | David Loys          | M         | A                | 142        | 0:49  |
| Japan textbook back in spotlight                          | 13  | 73            | Chris Hogg          | M         | A                | 175        | 0:58  |
| Witch trial girl's "mother" found                         | 11  | 74            | James Westhead      | M         | A                | 153        | 1:00  |
| London bomb attacks                                        | 08  | 75            | Sanjay Dasgupta     | M         | NA               | --         | --    |
| Live 8 performers' profit question                        | 06  | 76            | Lawrence Pollard    | M         | A                | 236        | 1:20  |
| Nasa probe strikes comet                                   | 04  | 77            | Roland Pease        | M         | A                | 139        | 0:53  |
### June 2005

| Title                                           | Day | Text Ref. No. | Speaker              | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|-------------------------------------------------|-----|---------------|----------------------|-----------|------------------|------------|------|
| Chile Peru agreement                           | 29  | 78            | Clinton Porteous     | M         | NA               | --         | --   |
| World's fastest train                          | 27  | 79            | Jonathan Head        | M         | A                | 259        | 1:34 |
| Russian economy debate                         | 24  | 80            | Steven Eke           | M         | A                | 251        | 1:33 |
| Solar sail                                      | 22  | 81            | Dam. Grammaticas     | M         | A                | 246        | 1:27 |
| Wimbledon begins                               | 20  | 82            | Harry Peart          | M         | A                | 242        | 1:24 |
| Eurotunnel                                     | 17  | 83            | John Moylan          | M         | NA               | --         | --   |
| Philippine sedition charges                    | 15  | 84            | Sarah Toms           | F         | A                | 213        | 1:30 |
| Tiny robot cleaners                            | 13  | 85            | Roland Pease         | M         | A                | 167        | 1:09 |
| Google overtakes Time Warner                   | 09  | 86            | Mark Gregory         | M         | A                | 248        | 1:36 |
| Anne Bancroft dies                              | 08  | 87            | Karen O'Brien        | F         | A                | 280        | 1:47 |
| Higher salaries for Iraqi professionals         | 06  | 88            | Caroline Hawkin       | F         | A                | 159        | 0:58 |
| EU Working Time Directive                       | 03  | 89            | John Moylan          | M         | NA               | --         | --   |
| Dutch EU vote                                  | 01  | 90            | William Horsley      | M         | A                | 276        | 1:31 |

### May 2005

| Title                                           | Day | Text Ref. No. | Speaker              | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|-------------------------------------------------|-----|---------------|----------------------|-----------|------------------|------------|------|
| Scientists study violence                       | 30  | 91            | Roland Pease         | M         | A                | 183        | 1:10 |
| Google accused of breaching copyright rules     | 27  | 92            | Mark Gregory         | M         | A                | 259        | 1:40 |
| EU to increase aid spending                     | 25  | 93            | Andrew Walker        | M         | A                | 253        | 1:27 |
| BBC strike                                     | 23  | 94            | Torin Douglas        | M         | A                | 131        | 0:47 |
| No rain in Australia                            | 20  | 95            | Phil Mercer          | M         | A                | 197        | 1:16 |
| WHO to discuss smallpox research                | 18  | 96            | Imogen Foulkes       | F         | NA               | --         | --   |
| Hong Kong's holy bun-fight back                 | 16  | 97            | Chris Hogg           | M         | A                | 162        | 1:00 |
| French restaurant tax cut                       | 13  | 98            | Caroline Wyatt       | F         | A                | 186        | 0:57 |
| Cannes film festival                            | 11  | 99            | Rebecca Jones        | F         | A                | 170        | 0:58 |
| Moscow VE Day                                   | 09  | 100           | Steve Rosenberg      | M         | A                | 134        | 0:44 |
| Labour wins UK election                         | 06  | 101           | Naomi Grimley        | F         | A                | 192        | 1:09 |
| Togo's new president                            | 04  | 102           | Elizabeth Blunt      | F         | A                | 268        | 1:36 |
| Royal Mail prize for coming to work             | 02  | 103           | Steve Jackson        | M         | A                | 137        | 0:42 |

### April 2005

| Title                                           | Day | Text Ref. No. | Speaker              | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|-------------------------------------------------|-----|---------------|----------------------|-----------|------------------|------------|------|
| UN diamond investigation in Liberia             | 29  | 104           | Mark Doyle           | M         | A                | 214        | 1:32 |
| Paternity dispute in Egypt                      | 27  | 105           | Magdi Abdelhadi      | M         | NA               | --         | --   |
| Japan train crash                               | 25  | 106           | Jonathan Head        | M         | A                | 161        | 0:57 |
| Managing pension funds                          | 22  | 107           | Andrew Walker        | M         | A                | 216        | 1:10 |
| New pope elected                               | 20  | 108           | William Horsley      | M         | A                | 217        | 1:11 |
| UNICEF report on education                      | 18  | 109           | Imogen Foulkes       | F         | NA               | --         | --   |
| Nike openness                                  | 15  | 110           | Stephen Evans        | M         | A                | 120        | 0:51 |
| Labs told to destroy deadly virus               | 13  | 111           | Yusef Anani          | M         | A                | 202        | 1:12 |
| UK visa delay for young Nigerians               | 11  | 112           | Anna Borzello        | F         | A                | 125        | 0:46 |
| Rover deal with Shanghai Automotive collapses   | 08  | 113           | Rebecca Pike         | F         | A                | 260        | 1:28 |
| Indian police investigate Russian animal deaths | 06  | 114           | Zubair Ahmed         | M         | NA               | --         | --   |
| Pope John Paul II lying in state in the Vatican | 04  | 115           | David Willey         | M         | A                | 288        | 1:56 |
| Japan and Mexico free trade agreement           | 01  | 116           | Jonathan Head        | M         | A                | 208        | 1:16 |
### March 2005

| Title                                           | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time   |
|-------------------------------------------------|-----|---------------|------------------|-----------|------------------|------------|--------|
| International action on Sudan                    | 30  | 117           | Jonathan Beale   | M         | A                | 213        | 1:13   |
| Giant pandas in danger                           | 28  | 118           | Louisa Lim       | F         | NA               | --         | --     |
| EU seeks solutions to slow growth                | 25  | 119           | Andrew Walker    | M         | A                | 199        | 1:11   |
| Kyrgyzstan political crisis                      | 23  | 120           | Monica Whitlock  | F         | A                | 237        | 1:28   |
| Bangladesh storms                                | 21  | 121           | Roland Buerk     | M         | A                | 123        | 0:48   |
| Tsunami Bank                                     | 18  | 122           | Kylie Morris     | F         | NA               | --         | --     |
| Malaysia to act against pirates                  | 16  | 123           | Jonathan Kent    | M         | A                | 200        | 1:07   |
| Moscow Olympic bid                               | 14  | 124           | Harry Peart      | M         | A                | 192        | 1:18   |
| List published of richest people in the world    | 11  | 125           | Mark Gregory     | M         | A                | 277        | 1:56   |
| Colombia drug extradition                        | 9   | 126           | Jeremy McDermott | M         | A                | 127        | 0:48   |
| Non-Japanese heads Sony Corporation              | 07  | 127           | Rodney Smith     | M         | A                | 194        | 1:05   |
| US cotton subsidies                              | 04  | 128           | Tom Gibb         | M         | A                | 179        | 1:09   |
| New European anti-smoking campaign               | 01  | 129           | Manuela Saragosa | F         | A                | 199        | 1:11   |

### February 2005

| Title                                           | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time   |
|-------------------------------------------------|-----|---------------|------------------|-----------|------------------|------------|--------|
| The Oscars                                      | 28  | 130           | James Coomarasam | M         | A                | 139        | 0:44   |
| Bush and Putin hold talks                       | 25  | 131           | Andrew Walker    | M         | A                | 220        | 1:18   |
| Pope's controversial new book                   | 23  | 132           | David Willey     | M         | A                | 194        | 1:09   |
| Hunter S Thompson commits suicide                | 21  | 133           | Peter Bowes      | M         | A                | 221        | 1:22   |
| China’s economic boom                           | 18  | 134           | Mark Gregory     | M         | A                | 276        | 1:45   |
| Lebanon lays ex-PM Hariri to rest               | 16  | 135           | Kim Ghattas      | F         | NA               | --         | --     |
| Tests vindicate tsunami baby pair               | 14  | 136           | Gina Wilkinson   | F         | NA               | --         | --     |
| Russia to restrict bids for natural resources   | 11  | 137           | Andrew Walker    | M         | A                | 181        | 1:00   |
| New round-the-world record for yachtswoman      | 09  | 138           | Jane Peel        | F         | A                | 136        | 1:03   |
| Rice visits Ramallah                            | 07  | 139           | Dan Isaacs       | M         | A                | 98         | 0:33   |
| Five million Germans out of work                | 04  | 140           | Mark Gregory     | M         | A                | 258        | 1:40   |
| Fighting the opium boom in Afghanistan          | 02  | 141           | Paul Anderson    | M         | NA               | --         | --     |

### January 2005

| Title                                           | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time   |
|-------------------------------------------------|-----|---------------|------------------|-----------|------------------|------------|--------|
| Millions of Iraqis vote in election             | 31  | 142           | Paul Wood        | M         | A                | 197        | 1:09   |
| Hong Kong on red ant alert                      | 28  | 143           | Francis Markus   | M         | A                | 197        | 1:14   |
| Anti-mafia raids net 46 suspects                 | 26  | 144           | David Willey     | M         | A                | 200        | 1:20   |
| Trace gun exports, campaigners urge             | 24  | 145           | Paul Welsh       | M         | A                | 178        | 0:58   |
| Businesses fail to plan for HIV                 | 21  | 146           | Mark Gregory     | M         | A                | 218        | 1:29   |
| Airbus unveils 'superjumbo' jet                  | 19  | 147           | Andrew Walker    | M         | A                | 240        | 1:24   |
| Steroid testing for baseball players            | 17  | 148           | Jeremy Cooke     | M         | A                | 165        | 0:54   |
| Kraft cuts snack ads for children               | 14  | 149           | Mark Gregory     | M         | A                | 159        | 1:02   |
| Australia bush fires                             | 12  | 150           | Phil Mercer      | M         | A                | 116        | 0:44   |
| Smoking ban in Italy                            | 10  | 151           | David Willey     | M         | A                | 174        | 1:03   |
| UN tsunami disaster summit                      | 07  | 152           | Jonathan Kent    | M         | A                | 186        | 1:00   |
| Three-minute silence for victims                | 05  | 153           | Dan Isaacs       | M         | A                | 163        | 0:58   |
### December 2004

| Title                          | Day | Text Ref. No. | Speaker            | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|-------------------------------|-----|---------------|--------------------|-----------|------------------|------------|------|
| Libya’s year of change        | 24  | 154           | Rana Jawad         | F         | NA               | --         | --   |
| Votes needed for Awards for World Music | 23  | 155           | Unknown            | F         | NA               | --         | --   |
| Afghanistan reconstruction is slow | 22  | 156           | Andrew North      | M         | A                | 260        | 1:63 |
| Uruguay aged population increases | 21  | 157           | Elliott Gottkine  | M         | A                | 201        | 1:05 |
| China: one country two systems | 21  | 158           | Bethan Jinkinson  | F         | A                | 210        | 1:13 |
| Turkey bomb plot train opens  | 20  | 159           | Jonny Dymond      | M         | A                | 136        | 0:50 |
| Lisa Marie sells Presley estate | 17  | 160           | Peter Bowes       | M         | A                | 194        | 1:09 |
| Australia optimistic PNG plan | 15  | 161           | Phil Mercer       | M         | A                | 202        | 1:28 |
| Australian driver drug testing begins | 13  | 162           | Phil Mercer       | M         | A                | 185        | 1:14 |
| World climate change          | 10  | 163           | Julian Siddle     | M         | A                | 118        | 0:43 |
| Iraq car ban lifted           | 8   | 164           | John Leyne        | M         | A                | 166        | 0:55 |
| South Korean exam scandal     | 6   | 165           | Charles Scanlon   | M         | A                | 214        | 1:16 |
| The cost of tea in Dubai      | 3   | 166           | Julia Wheeler     | F         | A                | 203        | 1:07 |
| Dolphins protect swimmers from shark | 1   | 167           | Phil Mercer       | M         | A                | 177        | 1:07 |

### November 2004

| Title                                      | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|--------------------------------------------|-----|---------------|------------------|-----------|------------------|------------|------|
| Latvia TB centre                           | 29  | 168           | Adam Easton      | M         | NA               | --         | --   |
| End to textile quota restrictions causes concern | 26  | 169           | Andrew Walker    | M         | A                | 208        | 1:08 |
| Albanian authorities call for return of weapons | 24  | 170           | Rob Cameron      | M         | A                | 116        | 0:49 |
| Iran to halt nuclear enrichment            | 22  | 171           | Frances Harrison | F         | A                | 150        | 0:58 |
| Yukos auction date announced               | 19  | 172           | Sarah Ransford   | F         | A                | 171        | 1:07 |
| Czechs get ready for Velvet Anniversary    | 17  | 173           | Rob Cameron      | M         | A                | 194        | 1:28 |
| Russian Army leaves Pamir Valley           | 15  | 174           | Monica Whitlock  | F         | A                | 193        | 1:12 |
| Venice opera house opens again             | 12  | 175           | David Willey     | M         | A                | 177        | 1:15 |
| Japan & North Korea discuss missing        | 10  | 176           | Jonathan Head    | M         | A                | 193        | 1:03 |
| Arafat aides leaves on Paris trip          | 8   | 177           | James Reynolds   | M         | A                | 129        | 0:49 |
| Bush’s economic challenges                 | 5   | 178           | Andrew Walker    | M         | A                | 234        | 1:09 |
| Veteran Gulf ruler Zayed dies              | 3   | 179           | Julia Wheeler    | F         | A                | 210        | 1:14 |
| Ukraine presidential election              | 1   | 180           | Helen Fawkes     | F         | A                | 156        | 1:00 |

### October 2004

| Title                        | Day | Text Ref. No. | Speaker           | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|------------------------------|-----|---------------|-------------------|-----------|------------------|------------|------|
| Hungary paprika ban          | 29  | 181           | Bill Hayton       | M         | A                | 202        | 1:11 |
| India MP’s faces criminal charges | 27  | 182           | Sanjeev Srivastava | M         | NA               | --         | --   |
| Wemba charged for people smuggling | 25  | 183           | Hugh Schofield    | M         | A                | 212        | 1:09 |
| Google market results        | 22  | 184           | Louise Cooper     | F         | A                | 142        | 0:50 |
| Cambodia’s new king          | 20  | 185           | Kylie Morris      | F         | NA               | --         | --   |
| Belarus referendum           | 18  | 186           | Steve Rosenberg   | M         | A                | 135        | 0:50 |
| Nigeria strike ends          | 15  | 187           | Dan Isaacs        | M         | A                | 142        | 0:51 |
| Afghan election              | 13  | 188           | Susannah Price    | F         | A                | 182        | 1:07 |
| Mental health fears in China | 11  | 189           | Louisa Lim        | F         | NA               | --         | --   |
| Booze cruise' dispute        | 8   | 190           | Tim Franks        | M         | A                | 167        | 0:53 |
| Hong Kong US China report    | 6   | 191           | Chris Hogg        | M         | A                | 189        | 1:11 |
| Taiwan red fire ants         | 4   | 192           | Chris Hogg        | M         | A                | 194        | 1:10 |
| World oil prices             | 1   | 193           | Stephen Evans     | M         | A                | 163        | 1:04 |
### September 2004

| Title                                                                 | Day | Text Ref. No. | Speaker          | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|----------------------------------------------------------------------|-----|---------------|------------------|-----------|------------------|------------|------|
| Freed Italian hostages return                                       | 29  | 194           | Tamzin Smith     | F         | A                | 191        | 1:14 |
| Sir Richard Branson on space trip                                   | 27  | 195           | Richard Branson  | M         | NA               | --         | --   |
| Nigerian Fuel Prices                                                | 24  | 196           | Anna Borzello    | F         | A                | 172        | 1:02 |
| Malaysia’s Scorpion Queen                                            | 22  | 197           | Jonathan Kent    | M         | A                | 197        | 1:12 |
| Ayad Allawi in London for Iraq talks                                | 20  | 198           | Roger Hardy      | M         | A                | 191        | 1:02 |
| France’s economic plan to tackle unemployment                        | 17  | 199           | Caroline Wyatt   | F         | A                | 174        | 1:00 |
| Batman at Buckingham Palace                                          | 15  | 200           | Oliver Conway    | M         | A                | 221        | 1:09 |
| Hurricane Ivan                                                       | 13  | 201           | Stephen Gibbs    | M         | A                | 171        | 1:05 |
| Nigerian Fuel Prices                                                | 10  | 202           | James Helm       | M         | A                | 190        | 1:05 |
| Mt Clinton has heart operation                                       | 8   | 203           | Jeremy Cooke     | M         | A                | 177        | 1:00 |
| Russia mourns for school siege victims                               | 6   | 204           | Steve Rosenberg  | M         | A                | 140        | 0:49 |
| Europe opens up to Chinese tourists                                  | 3   | 205           | Francis Markus   | M         | A                | 183        | 1:03 |
| China editor freed                                                   | 1   | 206           | Francis Markus   | M         | A                | 184        | 1:09 |

### August 2004

| Title                                                                 | Day | Text Ref. No. | Speaker         | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|----------------------------------------------------------------------|-----|---------------|-----------------|-----------|------------------|------------|------|
| Republican party convention                                          | 30  | 207           | Justin Webb     | M         | A                | 149        | 0:50 |
| Drugs company settles lawsuit                                        | 27  | 208           | Stephen Evans   | M         | A                | 128        | 0:50 |
| New Polio threat in Africa                                           | 25  | 209           | Richard Black   | M         | A                | 202        | 1:09 |
| Former US soldier faces charges in Kabul                              | 23  | 210           | Andrew North    | M         | A                | 166        | 1:02 |
| Filipinos protest over Iraq work ban                                  | 20  | 211           | Sarah Toms      | F         | A                | 205        | 1:16 |
| Iraq cleric refuses to meet delegation                                | 18  | 212           | Kylie Morris    | F         | NA               | --         | 1:26 |
| Arrests over insects gambling                                        | 16  | 213           | Chris Hogg      | M         | A                | 162        | 0:57 |
| Japanese bank merger                                                 | 13  | 214           | Mark Gregory    | M         | A                | 172        | 1:01 |
| Meteor showers                                                       | 11  | 215           | Owen Clegg      | M         | A                | --         | --   |
| Religion and politics in the USA                                      | 9   | 216           | Jane Little     | F         | A                | 233        | 1:22 |
| Argentina’s public spending bill                                     | 6   | 217           | Elliott Gotkine | M         | A                | 156        | 0:52 |
| Space mission to Mercury                                             | 4   | 218           | Tracey Logan    | F         | A                | 160        | 0:58 |
| Montenegro smoking ban                                                | 2   | 219           | Matt Prodger    | M         | A                | 223        | 1:22 |

### July 2004

| Title                                                                 | Day | Text Ref. No. | Speaker         | Sex (M/F) | Relevance (A/NA) | Word count | Time |
|----------------------------------------------------------------------|-----|---------------|-----------------|-----------|------------------|------------|------|
| Brazil tax scandal                                                   | 30  | 220           | Steve Kingstone | M         | A                | 152        | 0:59 |
| Swiss Asylum Laws                                                    | 28  | 221           | Imogen Foulkes  | F         | NA               | --         | --   |
| Armstrong’s sixth race victory                                       | 26  | 222           | Hugh Schofield  | M         | NA               | --         | --   |
| Russian oil giant faces bankruptcy                                   | 23  | 223           | Dam. Grammaticas| M         | A                | 183        | 1:09 |
| Sony and BMG merger                                                  | 21  | 224           | John Moylan     | M         | NA               | --         | --   |
| Internet Conference in Malaysia                                      | 19  | 225           | Jonathan Kent   | M         | A                | 169        | 1:02 |
| Sugar subsidies                                                      | 16  | 226           | John Moylan     | M         | NA               | --         | --   |
| UN AIDS warning                                                      | 14  | 227           | Chris Hogg      | M         | A                | 158        | 0:53 |
| Difficult week for Tony Blair                                       | 12  | 228           | Bethan Rhys R.  | F         | A                | 169        | 1:09 |
| Mercosur expands                                                     | 9   | 229           | Elliott Gotkine | M         | A                | 117        | 0:42 |
| Kerry-Edwards to launch campaign                                     | 7   | 230           | Justin Webb     | M         | A                | 119        | 0:42 |
| Greeks celebrate football success                                    | 5   | 231           | Richard Galpin  | M         | A                | 136        | 0:45 |
| Shaolin temple trademark                                             | 2   | 232           | Dan Collyns     | M         | A                | 189        | 1:07 |
### June 2004

| Title                                              | Day | Ref. No. | Speaker            | Sex (M/F) | Relevance (A/NA) | Word count | Time   |
|----------------------------------------------------|-----|----------|--------------------|-----------|------------------|------------|--------|
| Leopards Captured in Bombai                        | 30  | 233      | Zubair Ahmed       | M         | NA               | --         | --     |
| Transfer of power in Iraq arrives sooner           | 28  | 234      | Andrew Marr        | M         | A                | 150        | 0.54   |
| Brisbane water resources                            | 25  | 235      | Phil Mercer        | M         | A                | 213        | 1:27   |
| WWF criticises Yangtze dams                        | 23  | 236      | Louisa Lim         | F         | NA               | --         | --     |
| Malaysian PM calls for East Asia Community          | 21  | 237      | Jonathan Kent      | M         | A                | 129        | 0.45   |
| Shell oil fears                                     | 18  | 238      | Elizabeth Blunt    | F         | A                | 238        | 1:29   |
| Turk to lead world Muslim group                     | 16  | 239      | Jonny Dymond       | M         | A                | 156        | 0.53   |
| European elections                                  | 14  | 240      | Chris Morris       | M         | A                | 161        | 1:00   |
| G8 summit ends                                      | 11  | 241      | Gill McGivering    | F         | A                | 135        | 0.47   |
| Turkey starts Kurdish broadcasts                    | 9   | 242      | Jonny Dymond       | M         | A                | 121        | 0.49   |
| D-Day commemoration                                 | 7   | 243      | William Horsley    | M         | A                | 194        | 1:10   |
| Russia refuses EU meat                              | 4   | 244      | John Moylan        | M         | NA               | --         | --     |
| Norway’s smokers out in the cold                   | 2   | 245      | Lars Bevanger      | M         | NA               | --         | --     |

### May 2004

| Title                                              | Day | Ref. No. | Speaker            | Sex (M/F) | Relevance (A/NA) | Word count | Time   |
|----------------------------------------------------|-----|----------|--------------------|-----------|------------------|------------|--------|
| Russia’s richest man appears in court              | 31  | 246      | Steve Rosenberg    | M         | A                | 146        | 0.52   |
| India moves away from privatisation                | 28  | 247      | Jill McGivering    | F         | A                | 159        | 0.55   |
| New security council for Africa launched           | 26  | 248      | Martin Plaut       | M         | A                | 175        | 1:05   |
| OPEC under pressure to cut oil prices              | 24  | 249      | Stephen Evans      | M         | A                | 161        | 1:00   |
| EU-Russia summit                                   | 21  | 250      | Sarah Rainsford    | F         | A                | 170        | 1:08   |
| India’s quest for Prime Minister                   | 19  | 251      | Crispin Thorold    | M         | A                | 151        | 0.53   |
| Rafah home destruction                             | 17  | 252      | Alan Johnson       | M         | A                | 219        | 1:24   |
| ‘Make or break’ in the world trade talks           | 14  | 253      | John Moylan        | M         | NA               | --         | --     |
| Brazil cancels US reporter’s visa                  | 12  | 254      | Steve Kingstone    | M         | A                | 109        | 0.42   |
| Blair apologizes over Iraq abuse                   | 10  | 255      | Carolyn Quinn      | F         | A                | 140        | 0.32   |
| Japan pension resignation                          | 7   | 256      | Jonathan Head      | M         | A                | 173        | 0.57   |
| Athens hit by explosions                            | 5   | 257      | Richard Galpin     | M         | A                | 196        | 1:13   |
| Thatcher’s anniversary                             | 3   | 258      | Adrian Brown       | M         | A                | 167        | 1:02   |

### April 2004

| Title                                              | Day | Ref. No. | Speaker            | Sex (M/F) | Relevance (A/NA) | Word count | Time   |
|----------------------------------------------------|-----|----------|--------------------|-----------|------------------|------------|--------|
| Google to go public                                | 30  | 259      | Jannat Jalil       | F         | A                | 179        | 0.57   |
| South Africa celebrates                            | 28  | 260      | Barnaby Phillips   | M         | A                | 116        | 0.47   |
| Big Cat in danger                                  | 26  | 261      | Helen Briggs       | F         | A                | 156        | 1:05   |
| Indian elections                                   | 21  | 262      | David Bannford     | M         | A                | 210        | 1:21   |
| UK referendum on EU constitution                   | 19  | 263      | Jon Devitt         | M         | A                | 190        | 1:11   |
| Brazilian police shoot dead leader of drugs gang   | 16  | 264      | Steve Kingstone    | M         | A                | 185        | 1:06   |
| South African elections                            | 14  | 265      | Barnaby Phillips   | M         | A                | 153        | 0.54   |
| Iraq foreign hostages                              | 12  | 266      | Barbara Plett      | F         | NA               | --         | --     |
| Afghan opium farmers protest over raids            | 8   | 267      | Crispin Thorold    | M         | A                | 179        | 1:06   |
| Chinese AIDS activist detained over Tiananmen      | 5   | 268      | Louisa Lim         | F         | NA               | --         | --     |
| Iraq media wars                                    | 2   | 269      | William Horsley    | M         | A                | 245        | 1:28   |
| March 2004 |
|---|---|---|---|---|---|---|
| **Title** | **Day** | **Text Ref. No.** | **Speaker** | **Sex (M/F)** | **Relevance (A/NA)** | **Word count** | **Time** |
| Slavery insurance claim | 31 | 270 | Mark Gregory | M | A | 173 | 1:17 |
| Ireland’s smoking ban | 29 | 271 | Russell Padmore | M | A | 231 | 1:10 |
| Microsoft hit by a huge fine | 26 | 272 | John Moylan | M | NA | -- | -- |
| Lack of micronutrients affecting millions | 24 | 273 | Ania Lichtarowicz | F | A | 171 | 1:02 |
| Elections in El Salvador | 22 | 274 | Clare Marshall | F | A | 227 | 1:30 |
| Space rock makes closest flyby | 19 | 275 | Helen Briggs | F | A | 157 | 0:55 |
| Spanish general election | 15 | 276 | Chris Morris | M | A | 147 | 0:51 |
| Spanish national mourning | 12 | 277 | Kate Adler | F | A | 98 | 0:45 |
| Guantanamo releases | 10 | 278 | Kershid Ahmed | M | NA | -- | -- |
| New Greek government commits to the O Games | 8 | 279 | Malcolm Brabant | M | A | 175 | 1:09 |
| British Chancellor to quit politics? | 5 | 280 | John Andrew | M | A | 139 | 0:44 |
| Super Tuesday | 3 | 281 | David Bamford | M | A | 120 | 0:40 |
| Belgium: trial of Marc Dutroux | 1 | 282 | Chris Morris | M | A | 165 | 0:58 |

| February 2004 |
|---|---|---|---|---|---|---|
| **Title** | **Day** | **Text Ref. No.** | **Speaker** | **Sex (M/F)** | **Relevance (A/NA)** | **Word count** | **Time** |
| EU to impose sanctions on US | 27 | 283 | Stephen Evans | M | A | 142 | 0:58 |
| Morocco quake rescue | 25 | 284 | Pascale Harter | F | A | 183 | 1:15 |
| Polio immunisation | 23 | 285 | Ania Lichtarowicz | F | A | 181 | 1:03 |
| Enron update | 20 | 286 | Lesley Curwen | F | A | 233 | 1:30 |
| London congestion charge | 18 | 287 | Sally Hardcastle | F | A | 185 | 1:04 |
| Sidney riot | 16 | 288 | Thomas Hickey | M | A | 174 | 1:09 |
| Microsoft code leaked on web | 13 | 289 | Duncan Bartlett | M | A | 171 | 1:02 |
| Iran’s revolution – the 25th anniversary | 11 | 290 | Jim Muir | M | A | 220 | 1:16 |
| Transporting sea creatures | 9 | 291 | Tim Hirsch | M | A | 120 | 0:47 |
| Euro lottery | 6 | 292 | Torin Douglas | M | A | 125 | 0:47 |
| Sailing solo | 4 | 293 | Harry Pearl | M | A | 191 | 1:11 |
| Iraq intelligence inquiry due | 2 | 294 | David Kay | M | NA | -- | -- |

| January 2004 |
|---|---|---|---|---|---|---|
| **Title** | **Day** | **Text Ref. No.** | **Speaker** | **Sex (M/F)** | **Relevance (A/NA)** | **Word count** | **Time** |
| BBC independence | 30 | 295 | Keith Adams | M | A | 231 | 1:18 |
| UK higher education vote | 28 | 296 | Jon Devitt | M | A | 165 | 0:59 |
| Bird flu | 26 | 297 | Jill McConverying | F | A | 228 | 1:21 |
| NASA seeks contact with Mars robot | 23 | 298 | David Willis | M | A | 133 | 0:45 |
| President Bush: State of the Union address | 21 | 299 | Rob Watson | M | A | 146 | 0:55 |
| Taleban drugs control | 19 | 300 | Danny Shaw | M | A | 132 | 0:50 |
| Iraq’s new banknotes | 16 | 301 | Mark Gregory | M | A | 159 | 1:06 |
| US Treasury to probe O’Neill book | 14 | 302 | Justin Webb | M | A | 176 | 0:57 |
| Cambodian king’s website | 12 | 303 | Clare Arthurs | F | NA | -- | -- |
| Parma football club’s problems | 9 | 304 | Harry Pearl | M | A | 202 | 1:19 |
| US Army stretched | 7 | 305 | Jonathan Marcus | M | A | 252 | 1:28 |
| New SARS case | 5 | 306 | Daniel Schweinimer | M | A | 225 | 1:13 |
| Brazil’s president’s first year in office | 2 | 307 | Steve Kingstone | M | A | 237 | 1:28 |
Appendix B. Newsreaders in the 2005 & 2004 BBC news archive associated with an (arbitrary) reference number. Speakers are divided into groups depending on their profession (BBC newsreaders/Other professionals), gender (female/male), accent (RP/non-RP), and identity verification (identified/non-identified).

1. BBC NEWSREADERS

1.1. FEMALES

1.1.1. IDENTIFIED NON-RP SPEAKERS

| Name             | Text reference number |
|------------------|-----------------------|
| Imogen Foulkes   | 13 66 96 109          |
| Lesley Ashmall   | 221                   |
| Marian Hens      | 71                    |
| Louisa Lim       | 118 189 236 268       |
| Kylie Morris     | 122 185 212           |
| Kim Ghattas      | 135                   |
| Gina Wilkinson   | 136                   |
| Rana Jawad       | 154                   |
| Barbara Plett    | 266                   |
| Clare Arthurs    | 303                   |

1.1.2. IDENTIFIED RP SPEAKERS

| Name             | Text reference number |
|------------------|-----------------------|
| Rachel Harvey    | 8                     |
| Bernadette Kehoe | 11                    |
| Elizabeth Blunt  | 18 102 238            |
| Pascale Harter   | 19 284                |
| Jill McGivering  | 28 48 241 247         |
| Laura Trevelyan  | 29                    |
| Jackie Dalton    | 41                    |
| Ania Lichtarowicz| 51 273 285            |
| Hannah Hennessy  | 69                    |
| Sarah Toms       | 84 211                |
| Karen O'Brien    | 87                    |
| Caroline Hawley  | 88                    |
| Rebecca Jones    | 99                    |
| Naomi Grimley    | 101                   |
| Anna Borzello    | 112 196               |
| Rebecca Pike     | 113                   |
| Monica Whitlock  | 120 174               |
| Manuela Saragosa | 129                   |
| Jane Peel        | 138                   |
| Bethan Jinkinson | 158                   |
| Julia Wheeler    | 166 179               |
| Frances Harrison | 171                   |
| Sarah Rainsford  | 172 250               |

1.1.3. UNIDENTIFIED RP SPEAKERS

| Name     | Text reference number |
|----------|-----------------------|
| Unknown  | 155                   |

1.2. MALES

1.2.1. IDENTIFIED NON-RP SPEAKERS

| Name             | Text reference number |
|------------------|-----------------------|
| Adam Easton      | 7 168                 |
| Zaffar Abbas     | 36                    |
| Stuart Cohen     | 63                    |
| Sanjay Dasgupta  | 75                    |
| Clinton Porteous | 78                    |
| John Moylan      | 83 89 224 226         |
|                 | 244 253 272           |
| Magdi Abdelhadi  | 105                   |
| Zubair Ahmed     | 114 233               |
| Paul Anderson    | 141                   |
| Sanjeev Srivastava| 182                   |
| Owen Clegg       | 215                   |
| Lars Bevanger    | 245                   |

1.2.2. IDENTIFIED RP SPEAKERS

| Name             | Text reference number |
|------------------|-----------------------|
| Andrew Walker    | 1 25 34 52            |
|                  | 93 107 119 131        |
|                  | 137 147 169 178      |
| Phil Mercer      | 2 68 95 150           |
|                  | 161 162 167 235      |
| Steve Rosenberg  | 3 100 186 204        |
|                  | 246                   |
| Mark Gregory     | 4 31 64 86           |
|                  | 92 125 134 140       |
|                  | 146 149 214 270      |
|                  | 301                   |

1.2.2. IDENTIFIED RP SPEAKERS
### 1.2.2. IDENTIFIED RP SPEAKERS (CONTINUED)

| Name                     | Page Numbers |
|--------------------------|--------------|
| Mark Dummett             | 5            |
| James Menéndez           | 6            |
| Stephen Gibbs            | 9 201        |
| Jonathan Head            | 10 79 106 116 |
| 176 256                  |              |
| Chris Morris             | 12 240 276 282 |
| Roland Pease             | 14 77 85 91  |
| Kevin Gearey             | 15           |
| Charles Scanlon          | 16 32 43 165 |
| Vincent Dowd             | 17           |
| Jeremy Cooke             | 20 67 148 203 |
| Greg Morsbach            | 21           |
| Guy De Launey            | 22           |
| Alasdair Sandford        | 23           |
| Mark Duff                | 24           |
| Tom Gibb                 | 26 49 128    |
| Paul Keller              | 27           |
| Steve Kingstone          | 30 42 220 254 |
|                          | 264 307      |
| Daniel Griffiths         | 33           |
| Stephen Evans            | 35 44 110 193 |
|                          | 208 249 283  |
| Simon Watts              | 37           |
| Alistair Leithard        | 38           |
| Ray Furlong              | 39 45        |
| Julian Siddle            | 40 163       |
| Guto Harri               | 46           |
| Roland Buerk             | 50 61 121    |
| Dam. Grammaticas         | 54 62 81 223 |
| Harry Peart              | 55 56 82 124 |
|                          | 293 304      |
| David Willey             | 57 115 132 144 |
|                          | 151 175      |
| Red Harrison             | 58           |
| Jeremy McDermott         | 59 126       |
| Roger Hardy              | 60 198       |
| Martin Plaut             | 65 248       |
| Oliver Conway            | 70 200       |
| David Loyn               | 72           |
| Chris Hogg               | 73 97 191 192 |
|                          | 213 227      |
| James Westhead           | 74           |
| Lawrence Pollard         | 76           |
| Steven Eko               | 80           |
| William Horsley          | 90 108 243 269 |
| Torin Douglas            | 94 292       |
| Steve Jackson            | 103          |
| Mark Doyle               | 104          |
| Yousef Anani             | 111          |
| Jonathan Beale           | 117          |
| Jonathan Kent            | 123 152 197 225  |
| Rodncy Smith             | 127          |
| James Coomarasam         | 130          |
| Peter Bowes              | 133 160      |
| Dan Issacs               | 139 153 187  |
| Paul Wood                | 142          |
| Francis Markus           | 143 205 206  |
| Paul Welsh               | 145          |
| Andrew North             | 156 210      |
| Elliott Gotkine          | 157 217 229  |
| Jonny Dymond             | 159 239 242  |
| John Leyne               | 164          |
| Rob Cameron              | 170 173      |
| James Reynolds           | 177          |
| Bill Hayton              | 181          |
| Hugh Schofield           | 183 222 222  |
| Tim Franks               | 190          |
| James Helm               | 202          |
| Justin Webb              | 207 230 302  |
| Richard Black            | 209          |
| Matt Prodger             | 219          |
| Richard Galpin           | 231 257      |
| Dan Collyns              | 232          |
| Andrew Marr               | 234          |
| Crispin Thorold          | 251 267      |
| Alan Johnson             | 252          |
| Adrian Brown             | 258          |
| Barnaby Phillips         | 260 265      |
| David Bamford            | 262 281      |
| John Devitt              | 263 296      |
| Russell Padmore          | 271          |
| Malcolm Brabant          | 279          |
| John Andrew              | 280          |
| Thomas Hickey            | 288          |
| Duncan Bartlett          | 289          |
| Jim Muir                 | 290          |
| Tim Hirsch               | 291          |
| Keith Adams              | 295          |
| David Willis             | 298          |
| Rob Watson               | 299          |
| Danny Shaw               | 300          |
| Jonathan Marcus          | 305          |
| Daniel Schweimler        | 306          |

### 1.2.3. UNIDENTIFIED RP SPEAKERS

1 Text not available in audio file.
### Other Professionals

#### 2.1. Identified Non-RP Speakers

| Name           | Text reference number |
|----------------|-----------------------|
| Unknown        | 47                    |

#### 2.1.2. Identified RP Speakers

| Name             | Text reference number |
|------------------|-----------------------|
| Kershid Ahmed    | 278                   |
| David Kay        | 294                   |
| David Albright   |                       |

#### 2.1. Males

| Name             | Text reference number |
|------------------|-----------------------|
| Richard Branson  | 195                   |
Appendix C. Females and males: name of speaker, text reference numbers, phoneme involved (Ph.), potential intrusive /r/ contexts, presence/absence of intrusive /r/ in potential contexts (x = presence of intrusive /r/).

**FEMALES**

| Name               | Text ref. no. | Ph. | Potential intrusive /r/ contexts                                                                 | Intrusive /r? | YES | NO |
|--------------------|---------------|-----|------------------------------------------------------------------------------------------------|---------------|-----|----|
| Rachel Harvey      | 8             | /ə/ | ...approved by parliament in Jakarta. It’s likely to be a lengthy…                              | X             |     |    |
| Bernadette Kehoe   | 11            | None |                                                                                                 |               |     |    |
| Elizabeth Blunt    | 18            | /ə/ | ...inexorably, all over Asia, And even Thailand…                                                  | X             |     |    |
|                    | 102           | /ə/ | ...A study in Surubaya, Indonesia, found that…                                                     | X             |     |    |
|                    | 238           | /ə/ | Lord Oxburgh is a geologist; at the end of a long and…                                            | X             |     |    |
|                    |               | /ə/ | As a geologist, Lord Oxburgh is understandably enthusiastic …                                     | X             |     |    |
| Pascale Harter     | 19            | None |                                                                                                 |               |     |    |
|                    | 284           | None |                                                                                                 |               |     |    |
| Jill McGivering    | 28            | /iə/ | ...Others, including France, Belgium, Austria and Finland, have…                                 | X             |     |    |
|                    | 48            | /ə/ | ...Many in China and South Korea see him as a…                                                    | X             |     |    |
|                    | 241           | None |                                                                                                 |               |     |    |
|                    | 247           | None |                                                                                                 |               |     |    |
|                    | 297           | None |                                                                                                 |               |     |    |
| Laura Trevelyan    | 29            | None |                                                                                                 |               |     |    |
| Jackie Dalton      | 41            | None |                                                                                                 |               |     |    |
| Ania Lichtarowicz  | 51            | None |                                                                                                 |               |     |    |
|                    | 273           | None |                                                                                                 |               |     |    |
|                    | 285           | /iə/ | ...also in India and Pakistan …                                                                   | X             |     |    |
| Hannah Hennessy    | 69            | None |                                                                                                 |               |     |    |
| Sarah Toms         | 84            | /iə/ | ...he called for the overthrow of the president, Gloria Arroyo….                                  | X             |     |    |
|                    | 211           | /iə/ | ...of the kind that toppled Joseph Estrada as president in 2001…                                   | X             |     |    |
| Karen O’Brien      | 87            | /iə/ | ...change her name -- Anna Maria Italiano -- to help her career…                                   | X             |     |    |
| Caroline Hawley    | 88            | None |                                                                                                 |               |     |    |
| Caroline Wyatt     | 98            | None |                                                                                                 |               |     |    |
| Rebecca Jones      | 99            | None |                                                                                                 |               |     |    |
| Naomi Grimley      | 101           | None |                                                                                                 |               |     |    |
| Anna Borzello      | 112           | /ə/ | ...the high number of visa applications which have nearly…                                        | X             |     |    |
|                    |               | /ə/ | ...Lagos is the busiest UK visa operation in the world…                                            | X             |     |    |
|                    | 196           | /iə/ | ...Nigeria is the sixth largest exporter …                                                          | X             |     |    |
| Rebecca Pike       | 113           | None |                                                                                                 |               |     |    |
| Monica Whitlock    | 120           | None |                                                                                                 |               |     |    |
|                    | 174           | /ə/ | ...Central Asia and Afghanistan …                                                                  | X             |     |    |
|                    |               | /ə/ | ...to meet China and Pakistan among …                                                              | X             |     |    |
|                    |               | /ə/ | ...watchtower above Asia, and have been …                                                          | X             |     |    |
| Manuela Saragosa   | 129           | /ə/ | ...part of a staged withdrawal of all Russian …                                                     | X             |     |    |
| Jane Peel          | 138           | None |                                                                                                 |               |     |    |
| Bethan Jinkinson   | 158           | None |                                                                                                 |               |     |    |
| Julia Wheeler      | 166           | None |                                                                                                 |               |     |    |
|                    | 179           | /ə/ | ...the Palestinian territories, North Africa and Bosnia …                                           | X             |     |    |
|                    |               | /ə/ | ...dignitaries including King Abdullah of Jordan, King …                                            | X             |     |    |
| Frances Harrison   | 171           | None |                                                                                                 |               |     |    |
| Name           | Text ref. no. | Ph. | Potential intrusive /r/ contexts | Intrusive /r/ |
|----------------|--------------|-----|---------------------------------|---------------|
| Sarah Rainsford| 172          |     | None                            |               |
|                | 250          | /a/ | ... Russia is the last major economy still ... | X             |
| Helen Fawkes   | 180          |     | None                            |               |
| Louise Cooper  | 184          |     | None                            |               |
| Susannah Price | 188          |     | None                            |               |
| Tamzin Smith   | 194          | /a/ | ... transfixed by the drama of the two young ... | X             |
| Jane Little    | 216          | /a/ | ... America is a deeply devout country ... | X             |
| Tracey Logan   | 218          |     | None                            |               |
| Bethan Rhys R. | 228          | /a/ | ... The BBC programme Panorama also reported an intelligence ... | X             |
| Carolyn Quinn  | 255          |     | None                            |               |
| Jannat Jalil   | 259          | /a,/ | ... university in California. It's now a ... | X             |
| Helen Briggs   | 261          |     | None                            |               |
|                | 275          | /a/ | ... of Europe, Asia and most of the ... | X             |
| Clare Marshall | 274          |     | None                            |               |
| Kate Adler     | 277          | /a/ | ... group ETA, or an Islamist ... | X             |
| Lesley Curwen  | 286          |     | None                            |               |
| Sally Hardcastle| 287         |     | None                            |               |
| Clare Arthurs  | 303          |     | None                            |               |

**MALES**

| Name            | Text ref. no. | Ph. | Potential intrusive /r/ contexts | Intrusive /r/ |
|-----------------|--------------|-----|---------------------------------|---------------|
| Andrew Walker   | 1            | /a/ | ...they say Russia is offering... | X             |
|                 | 25           | /a/ | ... the fact that Russia is likely to have... | X             |
|                 | 34           |     | None                            |               |
|                 | 52           | /i,a/ | ...information in their databases about the area affected... | X             |
|                 | 93           | /a/ | ...be on the agenda at the summit in July of the G8 major powers... | X             |
|                 | 107          | /a/ | ...this well established trend in North America and Britain... | X             |
|                 | 119          | /a/ | ...the reforms envisaged in the Lisbon agenda are about making... | X             |
|                 | 131          |     | None                            |               |
|                 | 137          | /a/ | ...companies...interested in Russia. Events at the oil company... | X             |
|                 | 147          | /a/ | ...to travel without extra air traffic movements... | X             |
|                 | 169          | /a/ | ...are worried that China and India will... | X             |
|                 | /a/          |     | ... countries, from Asia, Africa and... | X             |
|                 | /a/          |     | ... Asia, Africa and the Caribbean are... | X             |
|                 | /a/          |     | ... WTO rules and China and India would not agree to... | X             |
|                 | 178          |     | None                            |               |
| Name            | Text ref. no. | Ph. | Potential intrusive /r/ contexts                                                                 | Intrusive /r/ |
|-----------------|---------------|-----|-------------------------------------------------------------------------------------------------|---------------|
| Phil Mercer     | 2             | None|                                                                                                 |               |
|                 | 68            | /a/ | …the government in Canberra is allowing…                                                           | X             |
|                 |               | /l,a/| …elephants into Australia as part of a conservation programme…                                      | X             |
|                 | 95            | None|                                                                                                 |               |
|                 | 150           | /l,a/| …parts of south eastern Australia are among the most fire…                                          | X             |
|                 |               | /l,a/| …an area almost the size of Greater London has been destroyed…                                    | X             |
|                 |               | /l,a/| …fires…reported across South Australia, including in hills near…                                   | X             |
|                 | 161           | /l,a/| Australia is sending two-hundred-and-ten police                                                 | X             |
|                 | 162           | None|                                                                                                 |               |
|                 | 167           | None|                                                                                                 |               |
|                 | 235           | /l,a/| …Australia is the world’s driest…                                                                 | X             |
|                 |               | /l,a/| south-eastern Australia. In recent times                                                       | X             |
| Steve Rosenberg | 3             | None|                                                                                                 |               |
|                 | 100           | None|                                                                                                 |               |
|                 | 186           | None|                                                                                                 |               |
|                 | 204           | None|                                                                                                 |               |
|                 | 246           | None|                                                                                                 |               |
| Mark Gregory    | 4             | /a/ | …The nations affected are…, Nicaragua, Rwanda and Senegal…                                         | X             |
|                 | 31            | /a/ | …four provinces in China, and it’s only…                                                          | X             |
|                 | 64            | None|                                                                                                 |               |
|                 | 86            | None|                                                                                                 |               |
|                 | 92            | None|                                                                                                 |               |
|                 | 125           | /a/ | …services produced in China and India, the two most populous…                                       | X             |
|                 |               | /l,a/| …Ingvar Kamprad, founder of…, Ikea, also saw a big increase in…                                    | X             |
|                 |               | /z:/| …Ingvar Kamprad, founder of…, Ikea, also saw a big increase in…                                    | X             |
|                 |               | /a/ | …perhaps none from China, excluding Hong Kong…                                                      | X             |
|                 | 134           | /a/ | …economic miracles like Japan and South Korea is anything to…                                      | X             |
|                 |               | /a/ | …for other economies China is seen as both an opportunity…                                         | X             |
|                 |               | /a/ | …in the industrialised West, China is on course to become …                                        | X             |
|                 |               | /a/ | …countries like Australia, Brazil and Argentina have seen demand                                   | X             |
|                 | 140           | None|                                                                                                 |               |
|                 | 146           | /z:/| …the study found that firms tend to draw up formal policies on…                                    | X             |
|                 |               | /a/ | …new wave countries such as China, India and Russia which…                                        | X             |
|                 |               | /l,a/| …new wave countries such as China, India and Russia which…                                        | X             |
|                 | 149           | /a/ | …the largest food producers. In America its products include…                                      | X             |
|                 | 214           | None|                                                                                                 |               |
|                 | 270           | /a/ | …slaves to plantations in America. And to press their …                                             | X             |
|                 | 301           | None|                                                                                                 |               |
| Mark Dummett    | 5             | /z:/| …if the law is changed…                                                                           | X             |
| James Menéndez  | 6             | /a/ | …party: Kadima. Up until now…                                                                     | X             |
| Stephen Gibbs   | 9             | None|                                                                                                 |               |
|                 | 201           | /a/ | …to the south of Cuba, its next …                                                                  | X             |
| Name                  | Text ref. no. | Ph. ref. | Potential intrusive /r/ contexts                                                                 | Intrusive /r/ |
|----------------------|--------------|---------|--------------------------------------------------------------------------------------------------|---------------|
| Jonathan Head        | 10           | None    | ... one unusual feature - **extra emergency** brakes in the form...                               | X             |
|                      | 79           | /a/     | ...the accident occurred in a suburb of **Osaka, and** the train was...                           | X             |
|                      | 116          | None    | None                                                                                             |               |
|                      | 176          | None    | None                                                                                             |               |
|                      | 256          | /a/     | ... The loss of Yasuo **Fukuda** is a blow to the...                                                | X             |
| Chris Morris         | 12           | /a/     | ...Spanish environment minister, Cristina **Narbona, admitted** that.                               | X             |
|                      | 240          | None    | None                                                                                             |               |
|                      | 276          | None    | None                                                                                             |               |
|                      | 282          | None    | None                                                                                             |               |
| Roland Pease         | 14           | /a/     | ...coast of **West Africa, and** yet another....                                                    | X             |
|                      | 77           | /a,a/   | ...labs in **California, as** the first picture of the collision                                 | X             |
|                      | 85           | None    | None                                                                                             |               |
|                      | 91           | None    | None                                                                                             |               |
| Kevin Gearey         | 15           | None    | None                                                                                             |               |
| Charles Scanlon      | 16           | /ta/    | ... South **Korea and** other Asia-Pacific countries...                                             | X             |
|                      | 32           | None    | None                                                                                             |               |
|                      | 43           | /a/     | ...losing out to rivals in **Asia and** the United States...                                        | X             |
|                      | 165          | None    | None                                                                                             |               |
| Vincent Dowd         | 17           | /a/     | ...Germany's 'The **Drama of Dresden**'...                                                          | X             |
|                      | 18           | /a/     | ...a 2-part drama about Hans Christian...                                                            | X             |
|                      | 19           | /a/     | ...the top drama award at the Emmys...                                                               | X             |
| Jeremy Cooke         | 20           | None    | None                                                                                             |               |
|                      | 67           | /a/     | ...after Discovery's lift-off **NASA officials** were in jubilant mood                              | X             |
|                      | 148          | None    | None                                                                                             |               |
|                      | 203          | None    | None                                                                                             |               |
| Greg Morsbach        | 21           | None    | None                                                                                             |               |
| Guy De Launey        | 22           | /a/     | ...the webmaster of **euthanasia-in-cambodia-dot-com** -- a site...                                 | X             |
|                      | 23           | /a,a/   | ... why not in Cambodia?** Another of...                                                            | X             |
|                      | 24           | /a,a/   | ...illegal in Cambodia. It encouraged people...                                                      | X             |
|                      | 25           | /a/     | ...promoting **euthanasia in Kampot** ...                                                             | X             |
| Alasdair Sandford    | 23           | None    | None                                                                                             |               |
| Mark Duff            | 24           | None    | None                                                                                             |               |
| Tom Gibb             | 26           | /a,a/   | ...bitten by bats in an **area of** marshlands...                                                    | X             |
|                      | 48           | /a/     | ...the United States, **Spain, China and Brazil**...                                                | X             |
|                      | 128          | /ɔ:/    | ... use agricultural exports to try to **claw its way from under the...                            | X             |
| Paul Keller          | 27           | None    | None                                                                                             |               |
| Steve Kingstone      | 30           | None    | None                                                                                             |               |
|                      | 42           | None    | None                                                                                             |               |
|                      | 220          | /ɔ:/    | ... would probably **draw a line under** ...                                                         | X             |
|                      | 254          | /a/     | ... cancelling the **visa of William** ...                                                            | X             |
|                      | 264          | /a/     | ... as Lulu, da Silva is said to ...                                                                | X             |
|                      | 307          | None    | None                                                                                             |               |
| Name           | Text ref. no. | Ph. | Potential intrusive /r/ contexts                                                                 | Intrusive /r/ |
|----------------|---------------|-----|--------------------------------------------------------------------------------------------------|---------------|
| Daniel Griffiths | 33            | /a/ | he added that China also wanted to recruit…                                                      | X             |
|                |               | /a/ | ...the great importance China attaches to its…                                                   | X             |
| Stephen Evans  | 35            | None |                                                                                                 |               |
|                | 44            | None |                                                                                                 |               |
|                | 110           | /a/ | its goods in China, among seven-hundred around the world…                                        | X             |
|                |               | /a/ | ...a dilemma exists for companies though…                                                        | X             |
| Simon Watts    | 37            | /a/ | ...covered northern Bolivia in smoke….                                                          | X             |
| Alistair Leithead | 38          | None |                                                                                                 |               |
| Ray Furlong    | 39            | None |                                                                                                 |               |
|                | 45            | None |                                                                                                 |               |
| Julian Siddle  | 40            | /a/ | ... a conference in Tunisia in November to discuss the issue…                                    | X             |
|                | 163           | None |                                                                                                 |               |
| Guto Harri     | 46            | None |                                                                                                 |               |
| Roland Buerk   | 50            | /a/ | ...But now India is emerging as a…                                                               | X             |
|                | 61            | None |                                                                                                 |               |
|                | 121           | None |                                                                                                 |               |
| Dam Grammaticas | 54           | None |                                                                                                 |               |
|                | 62            | /a/ | ...suffering from hypothermia and a lack of oxygen…                                              | X             |
|                | 81            | /a/ | ...in Kamchatka in Far Eastern Russia…                                                             | X             |
|                |               | /a/ | ...in Far Eastern Russia, in Europe…                                                              | X             |
|                | 223           | /a/ | ... Western Siberia is the heart of …                                                              | X             |
| Harry Peart    | 55            | /a/ | ...using a complex formula, eight teams have been…                                                | X             |
|                | 56            | /a/ | ...rivalry between Argentina and England…                                                          | X             |
|                | 82            | /a/ | ... last year's winner, Maria Sharapova, of Russia…                                               | X             |
|                | 124           | None |                                                                                                 |               |
|                | 293           | None |                                                                                                 |               |
|                | 304           | /a/ | ... high debt, Parma is in a perilous …                                                           | X             |
| David Willey   | 57            | None |                                                                                                 |               |
|                | 115           | None |                                                                                                 |               |
|                | 132           | None |                                                                                                 |               |
|                | 144           | None |                                                                                                 |               |
|                | 151           | None |                                                                                                 |               |
|                | 175           | None |                                                                                                 |               |
| Red Harrison   | 58            | /ɔ:/ | quickly saw an opportunity to make…                                                               | X             |
| Jeremy McDermott | 59         | /a/ | ...mountains of the Sierra de Perija in Venezuela…                                                 | X             |
|                |               | /a/ | ...experts from Venezuela and France, which…                                                       | X             |
| Roger Hardy    | 60            | /ɔ:/ | ...the withdrawal is important for the Israelis…                                                   | X             |
|                |               | /ɔ:/ | ...the Israeli withdrawal really can revive…                                                       | X             |
|                | 198           | /a/ | what does he plan to do about Fallujah and other towns which…                                     | X             |
| Name              | Text ref. no. | Ph. | Potential intrusive /r/ contexts                                                                 | Intrusive /r/ |
|-------------------|---------------|-----|-------------------------------------------------------------------------------------------------|---------------|
| Martin Plaut      | 65            |     | None                                                                                             |YES            |
|                   | 248           |     | None                                                                                             |NO             |
| Oliver Conway     | 70            | /ə/ | …at Bournemouth Symphony Orchestra in Britain…                                                     |X              |
|                   | 200           | /ɑː/| ...threw a cordon around the entire area and brought in a …                                        |X              |
| David Loyn        | 72            | /ɑː/| …America and Britain oppose this amendment…                                                         |X              |
| Chris Hogg        | 73            | /ɑː/| …Japanese troops in Asia and leaving out the stories of…                                          |X              |
|                   |               | /ɑː/| …diplomatic protests by China and South Korea. These…                                               |X              |
|                   | 97            |     | None                                                                                             |YES            |
|                   | 191           |     | None                                                                                             |NO             |
|                   | 192           | /ɪə/| … New Zealand, Australia and the United States …                                                    |X              |
|                   |               | /ɪə/| … half-billion in Australia. Extra stocks of …                                                      |X              |
|                   | 213           |     | None                                                                                             |YES            |
|                   | 227           |     | None                                                                                             |NO             |
| James Westhead    | 74            | /ɑː/| …a woman in Luanda identified the child as her daughter…                                           |X              |
| Lawrence Pollard  | 76            |     | None                                                                                             |YES            |
| Steven Eke        | 80            |     | None                                                                                             |NO             |
| William Horsley   | 90            |     | None                                                                                             |YES            |
|                   | 108           |     | None                                                                                             |NO             |
|                   | 243           |     | None                                                                                             |YES            |
|                   | 269           | /ɪə/| … from the media in different European …                                                            |X              |
|                   |               | /ɪə/| … The media in Britain became the …                                                                  |X              |
| Torin Douglas     | 94            |     | None                                                                                             |YES            |
|                   | 292           |     | None                                                                                             |NO             |
| Steve Jackson     | 103           | /ɪə/| …and the idea of offering prizes for good attendance would be…                                     |X              |
|                   |               | /ɔː/| …reliable workers into a prize draw, it was greeted with some…                                     |X              |
| Mark Doyle        | 104           | /ɪə/| …exported from Liberia, industry sources say it is most unlikely…                                   |X              |
| Yousef Anani      | 111           |     | None                                                                                             |YES            |
| Jonathan Beale    | 117           |     | None                                                                                             |NO             |
| Jonathan Kent     | 123           |     | None                                                                                             |YES            |
|                   | 152           | /ɪə/| … group of nations – the US, India, Japan and Australia – it had                                    |X              |
|                   | 197           |     | None                                                                                             |YES            |
|                   | 225           | /ɑː/| … South Korea and elsewhere …                                                                      |X              |
|                   | 237           | /ɑː/| … East Asia as a heavyweight …                                                                     |X              |
| Rodney Smith      | 127           | /ɪə/| …these include Samsung of South Korea and Apple Computer …                                          |X              |
| James Coomarasam  | 130           |     | None                                                                                             |YES            |
| Peter Bowes       | 133           |     | None                                                                                             |NO             |
|                   | 160           |     | None                                                                                             |YES            |
| Dan Isaacs        | 139           | /ɔː/| …Palestinian prisoners and the withdrawal of Israeli soldiers…                                      |X              |
|                   | 153           | /ɑː/| …efforts across southern Asia, Europe is mourning its own dead…                                    |X              |
|                   | 187           | /ɔː/| … profitable and draw in much-needed …                                                               |X              |
| Paul Wood         | 142           |     | None                                                                                             |YES            |
| Francis Markus    | 143           |     | None                                                                                             |NO             |
|                   | 205           | /ɑː/| …for their can of Coca Cola than in China and they've featured…                                     |X              |
|                   |               | /ɑː/| … to South East Asia, it's hard to …                                                                  |X              |
|                   | 206           |     | None                                                                                             |YES            |
| Name             | Text ref. no. | Potential intrusive /r/ contexts | Intrusive /r/ | Ph. | Name             | Text ref. no. | Potential intrusive /r/ contexts | Intrusive /r/ |
|------------------|--------------|----------------------------------|---------------|-----|------------------|--------------|----------------------------------|---------------|
| Paul Welsh       | 145          | /ɔ:/ ... for defying international law and allowing... | X             | /a/ | Andrew North     | 156          | None                             |               |
|                  |              |                                  |               |     |                  |              | to show Idema interrogating an Afghan... | X             |
| Elliott Gotkine  | 157          | None                             |               | /a/ | John Leyne       | 164          | /a:/ ... Jordan's only port of Aqabah. At free trade zone outside the... | X             |
|                  | 217          | /a:/ ... expense of Argentina. Others say ... | X             | /a/ | Rob Cameron      | 170          | None                             |               |
|                  | 229          | /a:/ ... Aires and Brasilia appeared to have ... | X             | /a/ | James Reynolds   | 177          | /ea:/ ... accused Mahmoud Abbas, Ahmed Qureia and others of ... | X             |
|                  |              | /a:/ ... Mexico and Venezuela as associate ... | X             | /a/ | Bill Hayton      | 181          | /a:/ ... Paprika is Hungary's national spice ... | X             |
|                  |              | /a:/ ... kilogramme of paprika a week ... | X             | /a/ | Hugh Schofield   | 183          | /a:/ ... fans in Africa and around the world, Papa Wemba was... | X             |
|                  |              |                                  |               |     | Tim Franks       | 190          | None                             |               |
|                  |              |                                  |               |     | James Helm       | 202          | None                             |               |
|                  |              |                                  |               |     | Justin Webb      | 207          | None                             |               |
|                  |              |                                  |               |     | Rob Cameron      | 230          | None                             |               |
|                  |              |                                  |               |     | John Leyne       | 239          | None                             |               |
|                  |              |                                  |               |     | Richard Black    | 242          | None                             |               |
|                  |              |                                  |               |     | Matt Prodger     | 219          | /a:/ ... its partner Serbia in the union of ... | X             |
|                  |              | /a:/ ... of Serbia and Montenegro, it has ... | X             | /a/ | Hugh Schofield   | 231          | None                             |               |
|                  |              | /ɔ:/ ... The new law is not expected to ... | X             |     | Richard Galpin   | 257          | None                             |               |
| Dan Collyns      | 232          | /a:/ ... In China alone, there are fifty-four ... | X             | /a/ | Andrew Marr      | 234          | /ɔ:/ ... administration telling America and Britain ... | X             |
|                  |              | /ɔ:/ ... and Patent Law Office says it's ... | X             |     | Crispin Thorold  | 251          | None                             |               |
|                  |              |                                  |               |     | John Devitt      | 267          | None                             |               |
|                  |              |                                  |               |     | Alan Johnson     | 252          | /a:/ ... standing and Rafah is braced ... | X             |
|                  |              |                                  |               |     | Adrian Brown     | 258          | None                             |               |
| Barnaby Phillips | 260          | /a:/ ... and promote stability across Africa. His authority, at home and... | X             | /a/ | Russell Padmore  | 271          | /a:/ ... bans in America and it's convinced ... | X             |
|                  | 265          | /a:/ ... the capital Pretoria and urged ... | X             |     |                  |              |                                  |               |
| David Bamford    | 262          | /a:/ ... revolution in India - a BJP overall ... | X             | /a/ |                  |              |                                  |               |
|                  | 281          | /a:/ ... York, California and Ohio assured ... | X             |     |                  |              |                                  |               |
| John Devitt      | 263          | None                             |               |     |                  |              |                                  |               |
|                  | 296          | None                             |               |     |                  |              |                                  |               |

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| Name           | Text ref. no. | Ph. | Potential intrusive /r/ contexts | Intrusive /r/ |
|----------------|--------------|-----|----------------------------------|----------------|
| Malcolm Brabant | 279          |     | None                             |                |
| John Andrew     | 280          |     | None                             |                |
| Thomas Hickey   | 288          |     | None                             |                |
| Duncan Bartlett | 289          | /ɔ:/| … the law enforcement authorities … | X              |
|                |              | /ɔ:/| … a critical flaw in the latest version … | X              |
| Jim Muir        | 290          |     | None                             |                |
| Tim Hirsch      | 291          |     | None                             |                |
| Keith Adams     | 295          |     | None                             |                |
| David Willis    | 298          | /a:/| … NASA is currently hoping that orbiting … | X              |
|                |              | /a:/| … nor sending data - ‘a very serious … | X              |
| Rob Watson      | 299          |     | None                             |                |
| Danny Shaw      | 300          |     | None                             |                |
| Jonathan Marcus | 305          | /ɔ:/| …extending tours of duty, drawing more on reserves…. | X              |
| Daniel Schweimler| 306          | /ə:/| Authorities…in southern China have said that tens of… | X              |
## Appendix D. Females and males: name of speaker, text reference numbers, potential linking /r/ contexts, presence/absence of linking /r/ in potential contexts (x = presence of linking /r/).

### FEMALES

| Name               | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|--------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Rachel Harvey      | 8             | …than anyone expected but there are major obstacles ahead…                                      | YES         |
|                    |               | …but there are major obstacles ahead…                                                           | NO          |
|                    |               | …The other is the political future of the province…                                               |             |
|                    |               | …The other is the political future of the province…                                               |             |
| Bernadette Kehoe   | 11            | …she was going to the Australian jungle to appear on the show…                                   |             |
|                    |               | …52-year-old Carol, who qualified as a solicitor…                                               | YES         |
|                    |               | …Carol Thatcher is described in today's British newspapers…                                     | NO          |
|                    |               | …blissfully unaware of her own genius….                                                         |             |
| Elizabeth Blunt    | 18            | …rising slowly but inexorably, all over Asia. And even…                                         |             |
|                    |               | …then passed on to prostitutes, who infect their other clients.                                   |             |
|                    |               | …The report says that far more efforts are needed to…                                           |             |
|                    |               | …but in Indonesia, for instance, if you carry a clean needle…                                    |             |
| Pascale Harter     | 19            | …from the telecommunications sector, all gathered in…                                            |             |
|                    |               | …deeds. Mr Annan wants to implement plans set out…                                               |             |
|                    |               | …resolved just hours before its opening…                                                       |             |
| Jill McGivering    | 28            | …pledges which have yet to be honoured are included….                                             |             |
|                    |               | …have failed to give (...) their fair share, a proportion of the…                               |             |
|                    |               | …according to the size of their economy. On that basis…                                          |             |
|                    |               | …less than a fifth of their fair share. Others, including France….                               |             |
| Laura Trevelyan    | 29            | …Her public stance made her a symbol of the civil rights…                                       |             |
| Name                  | Text Ref. No. | Potential linking /r/ contexts | Linking /r/ |
|-----------------------|---------------|--------------------------------|-------------|
| Jackie Dalton         | 41            | ...scientists have known of their existence from the remains… | X           |
|                       |               | ...been hard to capture on film because they live so far… | X           |
|                       |               | ...because they live so far under the sea… | X           |
|                       |               | ...These first ever images should therefore shed some light… | X           |
| Ania Lichtarowicz     | 273           | ...is having a severe effect on two billion… | X           |
|                       |               | ...because of severe anaemia caused by… | X           |
|                       |               | ...to add iron to flour - and supplements… | X           |
|                       |               | ...supplements are also very inexpensive… | X           |
|                       |               | ...vitamin A for a whole year costs only… | X           |
|                       |               | ...a million deaths each year along… | X           |
|                       |               | ...eight hundred children were affected in total… | X           |
|                       |               | ...Pakistan - where similar immunization schemes… | X           |
| Hannah Hennessy       | 69            | ...then stole around thirty bars of dore, a gold and silver mix… | X           |
| Sarah Toms            | 84            | ...Mr Ong, who is in hiding, has said he has… | X           |
|                       |               | ...pressing an election official for a bigger victory… | X           |
|                       |               | ...Filipinos are also angry about rising prices and… | X           |
|                       |               | ...protests of the kind that toppled Joseph Estrada… are unlikely… | X           |
|                       |               | ...diverted from much-needed but unpopular reforms… | X           |
|                       | 211           | ...Lorry driver Angelo de la Cruz… | X           |
|                       |               | ...States and other allies but won… | X           |
|                       |               | ...Philippines for a chance to go… | X           |
|                       |               | ...Filipinos live on a dollar a day… | X           |
|                       |               | ...has asked her officials to study… | X           |
|                       |               | ...officials to study whether it's safe… | X           |
| Karen O'Brien          | 87            | ...Bancroft won an Oscar in 1962 for her powerfully… | X           |
|                       |               | ...Sullivan, the inspiring teacher of the young Hellen Keller… | X           |
|                       |               | ...the young Helen Keller in the film 'The Miracle Worker'… | X           |
|                       |               | ...the film 'The Miracle Worker'. It was one of her proudest… | X           |
|                       |               | ...would always be frustrated at the near-obsession with her… | X           |
|                       |               | ...the near-obsession with her as the sultry Mrs Robinson… | X           |
|                       |               | ...'The Graduate' would cement her in the public consciousness… | X           |
|                       |               | ...challenging range of personas: as Golda Meir in the stage play… | X           |
|                       |               | ...Churchill's American mother in the television series… | X           |
|                       |               | ...Bancroft was also a regular in the comedy films made by… | X           |
|                       |               | ...this New York-born daughter of Italian immigrants… | X           |
|                       |               | ...to help her career. It was one of the few… | X           |
| Caroline Hawley       | 88            | ...worrying consequences for a health service already struggling… | X           |
|                       |               | ...struggling… with the number of casualties they're treating… | X           |
|                       |               | ...either been kidnapped or had a member of their family abducted… | X           |
| Caroline Wyatt        | 98            | ...to provide a boost for this crucial sector of the economy… | X           |
|                       |               | ...has happened since because under EU rules, France needs… | X           |
|                       |               | ...have suddenly upped the pressure on the issue… | X           |
|                       |               | ...Denmark, Sweden and Germany are apparently still reluctant… | X           |
|                       | 199           | ...The proposals were outlined by Jean-Louis Borloo… | X           |
|                       |               | ...of minister for labour, employment and social… | X           |
|                       |               | ...the problem where it's worst, among the children… | X           |
|                       |               | ...these measures are aimed at winning back the… | X           |
| Rebecca Jones          | 99            | ...eclectic, but disappointing films last year and the year before… | X           |
|                       |               | ...directors from the Far East will appear them… | X           |
|                       |               | ...directors from the Far East will appear alongside them… | X           |
|                       |               | ...whose martial arts thriller, "Election," is set in Hong Kong… | X           |
|                       |               | ...film running for the Palm d'Or. It's about a young Iraqi… | X           |
|                       |               | ...during the Iran Iraq war. America takes more of… | X           |
|                       |               | ...America takes more of a back seat this year… | X           |
|                       |               | ...a back seat this year, although Woody Allen's new… | X           |
|                       |               | ...film…receives its premiere out of competition as does the… | X           |
| Name               | Text Ref. No. | Potential linking /r/ contexts | Linking /r/ |
|--------------------|---------------|--------------------------------|-------------|
| Naomi Grimley      | 101           | ...they won, and what's more they won for a third time. That's... | YES         |
|                    |               | ...done before by Margaret Thatcher and the Conservative party... | X           |
|                    |               | ...advisors admit that the war in Iraq played an important part... | X           |
|                    |               | ...either stayed at home or voted for other candidates... | X           |
|                    |               | ...So Mr Blair is promising to listen more to the public... | X           |
|                    |               | ...Britain's third party...have also increased their number of MPs... | X           |
|                    |               | ...they do so with the lowest share of the popular vote in modern... | X           |
| Anna Borzello      | 112           | ...cannot deal with the high number of visa applications... | X           |
|                    |               | ...insist this is a temporary measure and say they will lift... | X           |
|                    |               | ...they will lift the ban next year after reorganising their office... | X           |
|                    | 196           | ...over the last year in protest at fuel price... | X           |
|                    |               | ...the sixth largest exporter of crude oil within... | X           |
| Rebecca Pike        | 113           | ...agreed in principle to work together on new models... | X           |
|                    |               | ...even a government offer of a one hundred million pound... | X           |
|                    |               | ...government is acutely aware of the impact this could have... | X           |
|                    |               | ...impact this could have on a number of marginal West Midlands... | X           |
|                    |               | ...it was only a matter of time before the whole thing began... | X           |
| Monica Whitlock    | 120           | ...the buses are running and bazaars and shops are open. Many... | X           |
|                    |               | ...ready and waiting for an opposition leader to come forward... | X           |
|                    |               | ...many candidates felt were rigged in favour of the government. | X           |
|                    |               | ...here's no doubt that there are real grievances here... | X           |
|                    | 174           | ...The Pamir is one of the highest... | X           |
|                    |               | ...way up the Pamir in Czarist times, needing... | X           |
|                    |               | ...needing a watchtower above Asia... | X           |
|                    |               | ...have been there ever since... | X           |
|                    |               | ...end of November. It's part of a... | X           |
|                    |               | ...charge of their own frontiers at last... | X           |
|                    |               | ...Many Russians are also unhappy – they... | X           |
| Manuela Saragosa   | 129           | None                            | None        |
| Jane Peel          | 138           | ...Despite the late hour and cold weather, more than... | X           |
|                    |               | ...home county of Derbyshire. At the end of her remarkable... | X           |
|                    |               | ...spoke briefly to her team manager and close friend... | X           |
| Bethan Jinkinson   | 158           | ...Portugal were able to say that they... | X           |
| Julia Wheeler      | 166           | ...25 years, despite earlier unsuccessful attempts to make... | X           |
|                    |               | ...the cafeterias are a social focus – the... | X           |
|                    |               | ...the equivalent of a bar or pub in non-Muslim countries... | X           |
|                    | 179           | ...was a revered figure in the Arab world... | X           |
|                    |               | ...development elsewhere including to the Palestinian... | X           |
|                    |               | ...thousands are expected at the Sheikh... | X           |
|                    |               | ...Geoff Hoon, are expected to offer Britain's... | X           |
| Frances Harrison   | 171           | ...Dr El Baradei said international inspectors... | X           |
|                    |               | ...international inspectors were in Iran to... | X           |
|                    |               | ...not to manufacture or import centrifuges or... | X           |
|                    |               | ...not to manufacture or import centrifuges or... | X           |
| Sarah Rainsford    | 172           | ...giant owes over eighteen billion dollars in tax... | X           |
|                    |               | ...bargain buy for a firm closely tied to the... | X           |
|                    | 250           | ...they succeed, their announcement would eclipse... | X           |
|                    |               | ...eclipse all other items on the agenda... | X           |
|                    |               | ...Russia is the last major economy still outside... | X           |
|                    |               | ...But even there, it seems negotiators are... | X           |
| Helen Fawkes       | 180           | ...puts their leader out in front... | X           |
|                    |               | ...electoral list. There have also been allegations of... | X           |
|                    |               | ...but the atmosphere in Ukraine remains... | X           |
| Louise Cooper      | 184           | ...The six-year-old company is valued at around... | X           |
|                    |               | ...shows investors are assuming many years of... | X           |
| Susannah Price     | 188           | ...and radio, Mr Anan said any irregularities... | X           |
|                    |               | ...However, Mr Anahy said it was a... | X           |
| Name                  | Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ | |
|-----------------------|----------|-----------------------------------------------------------------------------------------------|-------------|
| Tamzin Smith          | 194      | …two 29-year-old aid workers… X                                                                 | YES         |
|                       |          | …aid workers are Italy’s national… X                                                             |             |
|                       |          | …every newspaper. Arriving in Rome… X                                                          |             |
|                       |          | …question of whether a ransom was… X                                                            |             |
|                       |          | …seem to matter. Even Italy’s political… X                                                       |             |
| Jane Little           | 216      | …deemed secular and even hostile… X                                                              |             |
|                       |          | …Peterson were appointed to act as… X                                                            |             |
|                       |          | …and Civil Rights accused her of far left… X                                                    |             |
|                       |          | …League ousted her as a signatory of… X                                                          |             |
|                       |          | …concern for atheists than for… X                                                                |             |
|                       |          | …would be another appointment soon… X                                                             |             |
|                       |          | …but he’s more awkward about it… X                                                               |             |
| Tracey Logan          | 218      | …two hundred. Later observations seemed to show… X                                               |             |
|                       |          | …planet for a full year, instruments… X                                                         |             |
|                       |          | …for a full year, instruments on board… X                                                        |             |
|                       |          | …core so big, for instance? Where… X                                                             |             |
|                       |          | …Mars and our own planet – Earth… X                                                              |             |
| Bethan Rhys R.        | 228      | …two former senior intelligence officials… X                                                     |             |
|                       |          | …former senior member of the defence… X                                                          |             |
| Carolyn Quinn         | 255      | …British soldiers were involved in abuse of… X                                                   |             |
|                       |          | …are true. But pressure is building on the… X                                                    |             |
|                       |          | …first became aware of the claims, particularly… X                                              |             |
|                       |          | …particularly after Amnesty International last… X                                               |             |
|                       |          | …allegations of abuse up to a year ago… X                                                        |             |
| Jannat Jalil          | 259      | …while they were at university in California… X                                                   |             |
|                       |          | …its owners are exploring ways of selling the… X                                                 |             |
|                       |          | …get a look in. There are hopes that this… X                                                     |             |
|                       |          | …could help other internet companies to take… X                                                  |             |
|                       |          | …to have the star appeal of Google which… X                                                      |             |
| Helen Briggs          | 261      | …Now there are only two breeding… X                                                               |             |
|                       |          | …Now there are only two breeding… X                                                               |             |
|                       |          | …It’s calling for a change in political… X                                                       |             |
|                       |          | …If more isn’t done, it says, Europe faces…                                                    |             |
|                       | 275      | …the Southern Hemisphere as a faint star-like… X                                                |             |
|                       |          | …survey by a pair of NASA telescopes… X                                                         |             |
|                       |          | …says there’s no danger of this asteroid hitting… X                                             |             |
|                       |          | …break up in the atmosphere and only small… X                                                   |             |
|                       |          | …of the risks of near-Earth objects… X                                                           |             |
|                       |          | …of near-Earth objects -- there are believed to…                                                |             |
| Clare Marshall        | 274      | …After a nasty election campaign, which… X                                                      |             |
|                       |          | …to take care of the future and not to… X                                                       |             |
|                       |          | …care of the future and not to slip back… X                                                      |             |
|                       |          | …seventy three year old Communist former… X                                                     |             |
| Kate Adler            | 277      | …In newspaper articles, radio and television… X                                                  |             |
|                       |          | …Spaniards are encouraging one another… X                                                         |             |
|                       |          | …protest against terror and yesterday’s bloody attacks… X                                      |             |
|                       |          | …separatist group ETA, or an Islamist organisation… X                                            |             |
| Lesley Curwen         | 286      | …chief operating officer and chief executive, a…                                                 |             |
|                       |          | …to manipulate their earnings figures to present… X                                              |             |
|                       |          | …have charged a number of lower and mid-level… X                                                |             |
|                       |          | …a number of lower and mid-level executives… X                                                   |             |
|                       |          | …at least ten years. Their evidence will no doubt… X                                           |             |
| Sally Hardcastle      | 287      | …reduced the number of vehicles going… X                                                          |             |
|                       |          | …public transport. There is some conflict… X                                                     |             |
|                       |          | …say it's working. However, another survey… X                                                   |             |
|                       |          | …of motor scooters are up, for example, and… X                                                   |             |
...scooters are up, for example, and tai drivers… X
...a plan by the Mayor of London, Ken… X

| Name               | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/: YES | NO |
|--------------------|---------------|-----------------------------------------------------------------------------------------------|-----------------|----|
| Andrew Walker      | 1             | ...Politicians claim there are political motives behind… X                                      |                 |    |
|                    |               | ...more dependent on Russian gas for its heating and… X                                        |                 |    |
|                    | 25            | ...more people have jobs now than a year ago… X                                                |                 |    |
|                    |               | ...But there are sceptics who say that the US is still… X                                       |                 |    |
|                    |               | ...there is some danger of this deficit coming down… X                                        |                 |    |
|                    |               | ...there is some danger of this deficit coming down… X                                        |                 |    |
|                    | 34            | ...The Japanese postal service is a vast public sector empire… X                               |                 |    |
|                    |               | ...a vast public sector empire. It has a quarter of a million… X                              |                 |    |
|                    |               | ...It has a quarter of a million full-time employees… X                                        |                 |    |
|                    |               | ...used by…bodies for uneconomic construction projects… X                                       |                 |    |
|                    | 52            | ...before they can claim from their insurers… X                                                |                 |    |
|                    |               | ...insurance cover is predominantly held by householders… X                                    |                 |    |
|                    |               | ...the cost of damage to offshore oil installations is likely to be… X                        |                 |    |
|                    |               | ...He also said there are often additional factors that can… X                               |                 |    |
|                    |               | ...He also said there are often additional factors that can… X                               |                 |    |
|                    |               | ...factors that can push up losses - for example, labour and… X                               |                 |    |
|                    |               | ...for example, labour and building materials costs often rise… X                             |                 |    |
|                    |               | ...costs often rise because they are in such demand… X                                        |                 |    |
|                    |               | ...In addition there are uninsured losses… X                                                   |                 |    |
|                    |               | ...In addition there are uninsured losses… X                                                   |                 |    |
|                    | 93            | ...Currently only four EU countries meet the target… X                                        |                 |    |
|                    |               | ...Germany, Italy and Portugal - issued their own statements… X                               |                 |    |
|                    |               | ...Aid and development are important themes in… X                                              |                 |    |
|                    |               | ...to agree a large increase in aid and debt relief for Africa… X                            |                 |    |
|                    |               | ...a Summit, where aid, debt and poverty reduction will also be… X                           |                 |    |
|                    |               | ...objective is to achieve a num ber of targets known as the… X                              |                 |    |
|                    | 107           | ...firms make a substantial share of their own money by… X                                    |                 |    |
|                    |               | ...firms make a substantial share of their own money by… X                                    |                 |    |
|                    |               | ...big financial firms should be more expert in managing assets… X                            |                 |    |
|                    |               | ...by less expert in house people. There are risks however… X                                |                 |    |
|                    |               | ...a company whose shares the pension fund owns, for example… X                              |                 |    |
|                    |               | ...important that the assets handed over are protected from any… X                           |                 |    |
|                    | 119           | ...is nowhere near on target to achieve that… X                                                |                 |    |
|                    |               | ...the reforms envisaged in the Lisbon agenda are about making… X                            |                 |    |
|                    |               | ...making the European Union a more effective market economy… X                               |                 |    |
|                    |               | ...also saw the need for a more flexible workforce… X                                        |                 |    |
|                    |               | ...in countries where elaborate social welfare and… X                                        |                 |    |
|                    |               | ...social welfare and strong job security laws are very popular… X                            |                 |    |
|                    | 131           | ...figures, which…are especially unreliable in Russia's case… X                              |                 |    |
|                    |               | ...The government's finances were out of control with large… X                               |                 |    |
|                    |               | ...Mr Putin meets Mr Bush on a stronger economic platform… X                                  |                 |    |
|                    | 137           | ...some foreign companies that are interested in Russia… X                                    |                 |    |
|                    |               | ...Events at the oil company Yukos are a striking case… X                                     |                 |    |
|                    |               | ...where the main shareholder is in prison and… X                                             |                 |    |
|                    |               | ...Gaidar was Russian Prime Minister in the 1990s and… X                                       |                 |    |
|                    |               | ...executives who are interested in Russia, but don’t like… X                                |                 |    |
|                    |               | ...they don’t care about the lack of democracy and can work… X                               |                 |    |
| Name          | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|--------------|--------------|-----------------------------------------------------------------------------------------------|------------|
| Andrew Walker| 147          | ...the new aircraft will offer about a third more seating than...                             | X          |
|              |              | ...a third more seating than its nearest competitor. Air travel is a...                        | X          |
|              |              | ...Boeing vision for a growing aviation business seems to be...                                | X          |
|              |              | ...seems to be one of a large number of direct, or 'point to point'...                         | X          |
|              | 169          | ...kind of guaranteed share of the very profitable...                                          | X          |
|              |              | ...inroads if they are freed from their own quotas...                                          | X          |
|              |              | ...losses from the closure of textile and clothing...                                          | X          |
|              |              | ...and have few other employment opportunities...                                               | X          |
|              | 178          | ...in spending in a number of areas, notably security...                                        | X          |
|              |              | ...proposals which, on their own would add further...                                           | X          |
|              |              | ...that are due to expire, and he wants to reform...                                            | X          |
| Phil Mercer  | 2            | ...However, a recording of a 'roo thumping its foot...                                         | X          |
|              |              | ...Several million are shot dead every year as part of an official...                          | X          |
|              |              | ...death at the hands of unlicensed or inexperienced marksmen...                               | X          |
|              |              | ...a large number of marsupials are killed or injured...                                        | X          |
|              | 68           | ...in Thailand since last October. After months of deliberation...                            | X          |
|              |              | ...Australia's environment minister, Ian Campbell, has approved...                             | X          |
|              |              | ...environment minister...has approved their importation and...                               | X          |
|              |              | ...elephants in zoos don't breed well and suffer a wide range of...                           | X          |
|              |              | ...they die at a younger age than those living in the wild or...                               | X          |
|              |              | ...legal action here in Australia will force the government to...                              | X          |
|              | 95           | ...travelled to one parched corner of New South Wales where...                                 | X          |
|              |              | ...many families are ineligible for help if a wife or son, for...                             | X          |
|              |              | ...if a wife or son, for example, has taken up work in a...                                    | X          |
|              |              | ...The cabinet will gather early next week to discuss possible...                              | X          |
|              |              | ...and the prime minister appears to be sympathetic...                                          | X          |
|              |              | ..."I admire Australian farmers," he said...                                                   | X          |
|              |              | ...Weather forecasters have said there are early signs that...                                 | X          |
|              |              | ...have said there are early signs that this arid...                                            | X          |
|              | 150          | ...Parts of south eastern Australia are among the most fire prone...                          | X          |
|              |              | ...across South Australia, including in hills near Adelaide...                                | X          |
|              | 161          | ...than sixty other officials, including...                                                    | X          |
|              |              | ...Foreign Minister, Alexander Downer...                                                       | X          |
|              | 162          | ...Police Minister, Andre Haermeyer...                                                         | X          |
|              |              | ...roadside checks were a world first...                                                        | X          |
|              |              | ...their tongues for a few seconds...                                                          | X          |
|              |              | ...driven a car after taking an illegal...                                                      | X          |
|              |              | ...South Wales are expected to begin...                                                        | X          |
|              | 167          | ...before they were able to make it...                                                         | X          |
|              |              | ...a defensive barrier as the great...                                                         | X          |
|              |              | ...dolphins were extremely agitated and...                                                      | X          |
|              |              | ...deter the predator as it cruised...                                                         | X          |
|              | 235          | ...to use water more efficiently, In...                                                        | X          |
|              |              | ...many parts supplies are in crisis...                                                        | X          |
|              |              | ...the Premier of Western Australia...                                                         | X          |
| Name             | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Steve Rosenberg  | 3             | …He's had to order a bigger one…                                                               | X           |
|                  | 100           | …Under grey skies, the centre of Moscow today was…                                               | X           |
|                  |               | …servicemen marched across Red Square in commemoration of…                                      | X           |
|                  |               | …frontline veterans of the war. As they were driven in trucks…                                  | X           |
|                  | 186           | …grip on power. According to preliminary…                                                        | X           |
|                  |               | …denounced western criticism before as interference in…                                          | X           |
|                  | 204           | …mourning, but here in Beslan it's a day…                                                        | X           |
|                  |               | …blocks; there isn't a family here…                                                              | X           |
|                  |               | …190 people are unaccounted for…                                                                 | X           |
| Mark Gregory     | 4             | …more to reform their economies. The nations…                                                    | X           |
|                  |               | ...The nations affected are Ethiopia, Madagascar, Mauritania,…                                   | X           |
|                  |               | ...the G8 summit of the major industrial powers held at…                                         | X           |
|                  |               | ...dominated by the governments of major aid donors…                                              | X           |
|                  |               | ...announce its decision after a meeting in Washington…                                          | X           |
|                  |               | ...deal with problems … in the way they manage their economies…                                  | X           |
|                  | 31            | ...from the seeds of the star anise plant, which for centuries…                                   | X           |
|                  |               | ...world crop of star anise comes from just four provinces…                                       | X           |
|                  |               | ...Shortage of star anise would have been a major constraint…                                     | X           |
|                  | 64            | ...known consumer brands, but they're in the shadow of Nike…                                     | X           |
|                  |               | ...in the shadow of Nike, the giant of the sports wear industry…                                 | X           |
|                  |               | ...Reebok will be more of a youth and consumer lifestyle brand…                                   | X           |
|                  | 86            | ...a cheque for a hundred thousand dollars from a benefactor…                                     | X           |
|                  |               | ...Their first base for operations was a college dormitory…                                       | X           |
|                  |               | ...What they offered was more efficient technology for accessing…                                 | X           |
|                  |               | ...There are some solid reasons for Google's recent success…                                      | X           |
|                  | 92            | ...Other opposition has come from France, where…                                                  | X           |
|                  |               | ...France, where there are fears that the Google project…                                         | X           |
|                  |               | ...countries recently got EU backing for a rival book scanning…                                   | X           |
|                  |               | ...many of the works being initially scanned in are old texts…                                    | X           |
|                  | 125           | ...There are a record 691 dollar billionaires, according to…                                      | X           |
|                  |               | ...There are a record 691 dollar billionaires, according to…                                      | X           |
|                  |               | ...That figure is slightly more than the annual value…                                            | X           |
|                  |               | ...Ingvar Kamprad, founder of the Swedish furniture chain Ikea…                                   | X           |
|                  |               | ...countries make more of a showing than in past years…                                          | X           |
|                  |               | ...than in past years - there are for example three Russians…                                     | X           |
|                  |               | ...there are for example three Russians and four Indians…                                         | X           |
|                  |               | ...three Russians and four Indians in the top sixty richest people…                              | X           |
|                  |               | ...Relatively few women feature in the list - among them is...                                    | X           |
|                  |               | ...JK Rowling, author of the Harry Potter novels, ranked 620th…                                   | X           |
|                  | 134           | ...even now personal incomes are only at the level of Japan…                                     | X           |
|                  |               | ...That means there's huge potential for further expansion. And…                                 | X           |
|                  |               | ...And if the experience of earlier Asian economic miracles like…                                 | X           |
|                  |               | ...at this hectic pace for another twenty or thirty years…                                       | X           |
|                  |               | ...For other economies China is seen as…                                                         | X           |
|                  |               | ...steel, wood, soya beans and many other agricultural products.                                   | X           |
|                  |               | ...demand for their goods soar. And just as important, ...                                        | X           |
|                  |               | ...China's rise as a manufacturing centre is seen as…                                             | X           |
| Name                | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|---------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Mark Gregory        | 140           | …He failed to deliver on that and now…                                                         | X           |
|                     |               | …the official unemployment figure is above five million,…                                     | X           |
|                     |               | …which brought the Nazis to power. And to make matters worse…                                  | X           |
|                     |               | …and the like are included the actual number of…                                                | X           |
|                     |               | …are included the actual number of people looking for work…                                    | X           |
|                     |               | …despite the latest unemployment figures, there are some recent…                               | X           |
|                     |               | …Consumers are spending more in the shops…                                                      | X           |
|                     |               | …businesses are more optimistic than they were…                                                 | X           |
|                     |               | …more optimistic than they were a couple of years ago…                                         | X           |
|                     | 146           | …had declined by almost a quarter, and that nearly three quarters…                            | X           |
|                     |               | …point is reached when a fifth or more of the population is…                                  | X           |
|                     |               | …businesses have policies to counter HIV/AIDS…                                                  | X           |
|                     | 149           | …and fifteen percent of children are overweight…                                               | X           |
|                     |               | …change marketing policies for advertisements in newspapers…                                   | X           |
|                     | 214           | …their finances after a stock market and property…                                             | X           |
|                     |               | …merge with one another in an attempt to…                                                      | X           |
|                     |               | …attempt to get hungrier and hopefully stronger…                                               | X           |
|                     |               | …organisations announced their intention to merge last…                                        | X           |
|                     | 270           | …is being sued for alleged complicity in…                                                       | X           |
|                     |               | …American lawyer, Ed Fagan, who made…                                                           | X           |
|                     |               | …Lloyds, for its part, refused to comment…                                                      | X           |
|                     | 301           | …to circulate. One factor has been the…                                                          | X           |
|                     |               | …of the war. There are simply more transactions…                                                | X           |
|                     |               | …be stashed in other Arab nations. Speculators…                                                  | X           |
| Mark Dummett        | 5             | …low castes, also known as Dalits or Untouchables…                                             | X           |
|                     |               | …colleges…minorities like the Muslims, are also included…                                       | X           |
|                     |               | …Some private colleges are also opposed, saying they fear a…                                   | X           |
|                     |               | …saying they fear a drop in standards if the law is changed…                                   | X           |
| James Menéndez      | 6             | …at the Hadassah hospital here in Jerusalem…                                                   | X           |
|                     |               | …He's expected to stay for at least another day or so…                                         | X           |
|                     |               | …he would fight for a new political party: Kadima…                                              | X           |
| Stephen Gibbs       | 9             | …this was an extraordinary event, a reminder of just how much…                                | X           |
|                     | 201           | …television to monitor Ivan's progress…                                                          | X           |
| Jonathan Head       | 10            | …making them more accessible to ordinary investors…                                             | X           |
|                     |               | …Under instruction from one of its clients to sell a single share…                             | X           |
|                     |               | …to sell a single share in a Japanese recruitment company at…                                  | X           |
|                     |               | …at the market price of 610,000 yen, or around 5,000 dollars,…                                 | X           |
|                     |               | …the most expensive typing error in history…                                                     | X           |
|                     |               | …40 times the total number of shares in the company…                                            | X           |
|                     |               | …fewer Christmas bonuses this year as well…                                                     | X           |
|                     | 79            | …three 100 kilometres an hour - in fact the latest Japanese…                                   | X           |
|                     |               | …emphasis of the designers being more on smoothness…                                            | X           |
|                     |               | …New JR East, the country's largest railway company, has…                                       | X           |
|                     |               | …the derailment of a bullet train after an earthquake last year…                              | X           |
|                     | 106           | …towards the end of the morning rush hour in a suburb of Osaka…                                | X           |
|                     | 116           | …China has proved far more open to reaching free trade…                                          | X           |
|                     |               | …helping it rival or even eclipse Japan's influence…                                            | X           |
|                     | 176           | …ago five were allowed to return to…                                                            | X           |
|                     |               | … kidnapped a number of Japanese nationals …                                                     | X           |
|                     |               | …He said another eight had died…                                                                | X           |
|                     |               | …for their campaign for a full account…                                                         | X           |
|                     |               | …said little more about the fate of the…                                                         | X           |
| Jonathan Head       | 256           | …personal ally and advisor and he's been the…                                                   | X           |
|                     |               | …The cause of his departure is even more…                                                        | X           |
|                     |               | …has also caught out a number of opposition…                                                     | X           |
|                     |               | …The revelations are acutely embarrassing at…                                                    | X           |
| Name          | Text Ref. No. | Potential linking /r/ contexts                                                                                                                                                                                                 | Linking /r/ |
|---------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Chris Morris  | 12            | …Greenhouse gas emissions are up by more than forty…  
          |               | …We're all a bit ashamed, she said - much more needs to…                                                                                                                                                                    | X           |
|               | 240           | …either voted for opposition parties or didn't bother…  
          |               | …While the number of people staying…                                                                                                                                                                                          | X           |
|               | 276           | …disappointment for officials in Brussels…                                                                                                                                                                                   | X           |
|               | 282           | …to be the decisive factor in the general election…  
          |               | …supporting the US-led war in Iraq and in…                                                                                                                                                                                   | X           |
|               |               | …as the court prepared to swear in a jury,…                                                                                                                                                                                  | X           |
|               |               | …there's been a campaign to cover up the truth…                                                                                                                                                                             | X           |
|               |               | …accomplices worked on their own. They will…                                                                                                                                                                               | X           |
| Roland Pease  | 14            | …That brings the total number of named tropical storms in…                                                                                                                                                                   | X           |
|               |               | …was the costliest natural disaster in US history…                                                                                                                                                                          | X           |
|               |               | …The number of storms that reached hurricane status…                                                                                                                                                                        | X           |
|               |               | …papers this year have linked their intensity to climate change…                                                                                                                                                           | X           |
|               |               | …But experts…are insisting that conventional factors are…                                                                                                                                                                | X           |
|               |               | …insisting that conventional factors are at work – sea…                                                                                                                                                                     | X           |
|               | 77            | …in California, as the first picture of the collision comes in from…                                                                                                                                                         | X           |
|               |               | …The next twenty four hours could change our understanding…                                                                                                                                                                | X           |
|               |               | …change our understanding of how the solar system formed…                                                                                                                                                                   | X           |
|               |               | …revealed for the first time in four and a half billion years…                                                                                                                                                              | X           |
|               | 85            | …filaments thirty billionths of a metre across and a…                                                                                                                                                                      | X           |
|               |               | …could soak up toxins from water. If the tiny tools prove…                                                                                                                                                                  | X           |
|               | 91            | …one act of aggression is likely to lead to more acts, even…                                                                                                                                                                 | X           |
|               |               | …Following them from their early teenage, the researchers…                                                                                                                                                                  | X           |
|               |               | …the researchers were able to factor out complicating…                                                                                                                                                                      | X           |
|               |               | …were able to factor out complicating social influences…                                                                                                                                                                    | X           |
|               |               | …destabilises normal behaviour. Although the lessons come…                                                                                                                                                                  | X           |
|               |               | …US city neighbourhoods, Professor Earls believes they can…                                                                                                                                                                 | X           |
|               |               | …diseases, earlier intervention to control the situation can have…                                                                                                                                                         | X           |
| Kevin Gearey  | 15            | …George Best had a rare ability to make the ball do his bidding…                                                                                                                                                           | X           |
|               |               | …Best was named European Footballer of the Year…                                                                                                                                                                            | X           |
|               |               | …Footballer of the Year, and the young man dubbed…                                                                                                                                                                         | X           |
|               |               | …will also regret that his career and life ended so sadly…                                                                                                                                                                  | X           |
| Charles Scanlon| 16           | …hard-pressed rice farmers who say their livelihoods are at stake…                                                                                                                                                           | X           |
|               |               | …They say they're unable to compete with cheap rice…                                                                                                                                                                        | X           |
|               |               | …South Korea and other Asia-Pacific countries last week…                                                                                                                                                                      | X           |
|               | 32            | …Dr Ian Wilmut, a British cloning pioneer in Korea…                                                                                                                                                                          | X           |
|               |               | …a British cloning pioneer in Korea for the launch said it…                                                                                                                                                                  | X           |
|               |               | …find cures for cancer, Alzheimer's and other degenerative…                                                                                                                                                                  | X           |
|               |               | …could also make research easier for American scientists…                                                                                                                                                                     | X           |
|               |               | …should make sure the controversy over ethics did not…                                                                                                                                                                       | X           |
| Charles Scanlon| 43           | …It'll also reduce the number of its factories from 65 to…                                                                                                                                                                   | X           |
|               |               | …its factories from 65 to fifty-four. It's part of a bold plan…                                                                                                                                                              | X           |
|               |               | …former dominance in consumer electronics and entertainment…                                                                                                                                                                 | X           |
|               |               | …Sony…has relied more on the success of its movies and…                                                                                                                                                                     | X           |
|               | 165           | …nation where education is an…                                                                                                                                                                                                | X           |
|               |               | …monitors who are accused of not…                                                                                                                                                                                              | X           |
|               |               | …are calling for an overhaul of…                                                                                                                                                                                              | X           |
|               |               | …of the entire exam system…                                                                                                                                                                                                     | X           |
|               |               | …students under intolerable pressure…                                                                                                                                                                                         | X           |
| Vincent Dowd  | 17            | …Actress award in New York -- her acceptance speech was as…                                                                                                                                                                   | X           |
|               |               | …Now achievement in TV is spread more evenly. Canada got…                                                                                                                                                                    | X           |
| Name               | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|--------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Jeremy Cooke       | 20            | ...The tape recordings are of interviews conducted with...                                    | NO          |
|                    |               | ...so to speak and there I was, not even a link of the chain...                               | NO          |
|                    |               | ...as the ex-Beatle's car arrived outside his Manhattan home...                                | X           |
|                    | 67            | ...NASA officials were in jubilant mood, talking of the power...                               | X           |
|                    |               | ...talking of the power and majesty of the launch and of...                                    | X           |
|                    |               | ...even as the shuttle's commander, Eileen Collins, was reporting...                            | X           |
|                    |               | ...falling from Discovery soon after it cleared the tower...                                   | X           |
|                    |               | ...Fresh in everyone's mind here of course is the Columbia...                                  | X           |
|                    |               | ...is the Columbia disaster of 2003 when heat-resistant tiles...                               | X           |
|                    |               | The result was a catastrophic failure on re-entry to Earth's...                                | X           |
|                    |               | But the hope here at Cape Canaveral continues to be...                                         | X           |
|                    |               | ...help open the way for a continuation of the space programme...                              | X           |
|                    | 148           | ...After a series of drug scandals, this was Major League...                                    | NO          |
|                    |               | Olympic sports where any positive drug test triggers a...                                      | X           |
|                    | 203           | ...operating theatre and declared themselves...                                                  | X           |
|                    |               | ...without the procedure it was likely...                                                       | X           |
| Greg Morsbach      | 21            | Under a grey November sky, military and civilian survivors...                                   | X           |
|                    |               | Senior military officer, Air Chief Marshall, Jock Stirrup...                                    | X           |
|                    |               | British soldiers paused for a moment...                                                        | X           |
| Guy De Launay      | 22            | He was the webmaster of euthanasia-in-cambodia-dot-com...                                       | X           |
|                    |               | Another of Mr Graham's websites told readers that...                                            | X           |
|                    |               | British visitor to the town in September appears to have turned...                            | X           |
|                    |               | A number of expatriate residents signed a petition asking...                                    | X           |
| Alasdair Sandford  | 23            | The far right leader of the National Front, Jean-Marie Le Pen...                               | X           |
|                    |               | where he's due to play for his country later on Wednesday...                                   | X           |
|                    |               | where he's due to play for his country later on Wednesday,...                                   | X           |
| Mark Duff          | 24            | The Olympic torch itself is at the centre of a row over...                                     | X           |
|                    |               | But even before it's left, two municipal councils...                                            | X           |
|                    |               | the president of the region... has urged the mayor of Rome to...                               | X           |
| Tom Gibb           | 26            | drink the blood of other mammals while they're asleep...                                       | X           |
|                    | 49            | that Ecuador should get a bigger share of oil profits...                                       | X           |
|                    |               | The country is the fifth largest producer in Latin America...                                  | X           |
|                    | 128           | future world trade talks in favour of developing countries...                                   | X           |
|                    |               | Brazil is still waiting for a similar WTO ruling in a case...                                  | X           |
| Paul Keller        | 27            | those becoming British citizens simply had to swear an oath of...                             | X           |
|                    |               | an oath of allegiance in front of a lawyer and then receive...                                 | X           |
|                    |               | required new citizens to take a broader oath promising to...                                  | X           |
|                    |               | the government is going even further: it's launching a test...                                  | X           |
|                    |               | puts undue pressure on newcomers to conform, working...                                        | X           |
| Name                  | Text Ref. No. | Potential linking /r/ contexts | Linking /r/ |
|----------------------|---------------|---------------------------------|-------------|
| **Steve Kingstone**  | 30            | …Brazilians went to the polls to answer a simple question… | X           |
|                      |               | …They were urged to vote 'yes' by the government, the… | X           |
|                      |               | …anyone over twenty-five will be able to buy a firearm?… | X           |
|                      |               | …Organisers…admit they were out-maneuvered… | X           |
|                      | 42            | …conversations of forty-three year-old Edilson Pereira… | X           |
|                      |               | …would then favour one team or the other, allegedly for a fee of… | X           |
|                      |               | …favour one team or the other, allegedly for a fee of between… | X           |
|                      |               | …a fee of between four and six thousand dollars per game… | X           |
|                      | 220           | Luiz Candiota was director of the central… | X           |
|                      |               | …he's not under investigation. But on Wednesday… | X           |
|                      |               | …federal prosecutors are investigating the tax affair… | X           |
|                      |               | …while working for an American-based banking group… | X           |
|                      | 254           | …which offends the honour of the president… | X           |
|                      | 264           | …Twenty seven year old Luciano Barbosa… | X           |
|                      |               | …Both died after a shoot-out with… | X           |
|                      | 307           | …inauguration of Lula was marked by a mixture of hopes and… | X           |
|                      |               | …One year on, the critics have been pleasantly… | X           |
|                      |               | …over the past year, and unemployment is… | X           |
|                      |               | …Brazilians are optimistic about Lula's prospects… | X           |
|                      |               | …than one US dollar a day, and reducing… | X           |
| **Daniel Griffiths** | 33            | …setting out the latest plans for its ambitious space programme… | X           |
|                      |               | …A senior official said the next manned mission will be in… | X           |
|                      |               | …riding in an open car in a nationally televised parade. | X           |
| **Stephen Evans**    | 35            | …football is more about grass roots than idols,… | X           |
|                      |               | …more about grass roots than idols; more about giving… | X           |
|                      | 44            | …the number of British air passengers, for example… | X           |
|                      |               | …the number of British air passengers, for example, will more… | X           |
|                      |               | …will more than double in the next quarter of a century… | X           |
|                      |               | …would mean much more aviation fuel being burned… | X           |
|                      |               | …The difficulty for any individual government is that… | X           |
|                      |               | …push airlines to move their operations to competing airports… | X           |
|                      | 110           | …sixty-nine factories working for it, in some of… | X           |
|                      | 193           | …will put more pressure on scarce supplies… | X           |
|                      |               | …made to get more information out to try to… | X           |
|                      |               | …of permanently higher oil prices that will… | X           |
|                      | 208           | None |                          |
|                      | 249           | …the political pressure on OPEC, calling on the… | X           |
|                      |               | …as they were after the Yom Kippur war… | X           |
|                      |               | …high fuel prices are invariably politically painful… | X           |
|                      |               | …Higher oil prices also act like a tax on economies… | X           |
|                      | 283           | …Europe has been a war of words so far… | X           |
|                      |               | …gives them an illegal unfair advantage… | X           |
| **Simon Watts**      | 37            | …The Amazon is a lifeline for everyone in the river basin… | X           |
|                      |               | …In the last few weeks, the river and its tributaries have… | X           |
|                      |               | …The dry weather in the Amazon has also caused huge fires… | X           |
|                      |               | …They think the weather in the Amazon is affected by sunspots… | X           |
|                      |               | …this dry cycle is expected to continue for another month… | X           |
| **Alistair Leithead**| 38            | …will now assume responsibility for any other reports of bodies… | X           |
|                      |               | The total number of dead, around one thousand two hundred… | X           |
|                      |               | …lower than the figure of ten thousand talked about… | X           |
|                      |               | …living in shelters, hotels or other accommodation across… | X           |
|                      |               | …in shelters, hotels or other accommodation across America… | X           |
| **Ray Furlong**      | 39            | …The Christian Democrats, for instance, scored 37 percent… | X           |
|                      |               | …are still much lower. Unemployment is almost… | X           |
|                      |               | …coalition with the Liberals and the Greens, or a grand coalition… | X           |
|                      |               | …A further complicating factor is that more than two… | X           |
| Name                  | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|----------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Julian Siddle        | 40            | …this obscure US organisation had control over all addresses… X                                | X           |
|                      |               | …began to look increasingly unfair, as now demonstrated by… X                                | X           |
|                      |               | …have been demanding their own triple x address… X                                              | X           |
|                      |               | …largely irrelevant, saying there are more pressing issues… X                                  | X           |
|                      |               | …like Tunisia where internet access is tightly controlled… X                                  | X           |
|                      |               | …where internet is controlled and where opponents of… X                                        | X           |
|                      | 163           | …Developing countries were exempt, as it was… X                                                | X           |
|                      |               | …burden of debt. However as developing countries… X                                             | X           |
|                      |               | …and power stations for example, their emissions are… X                                        | X           |
|                      |               | …stations for example, their emissions are also going… X                                      | X           |
|                      |               | …their emissions are also going to increase, fuelling… X                                      | X           |
| Guto Harri           | 46            | …in a tough environment where cheaper airlines have been… X                                   | X           |
|                      |               | …cheaper airlines have been competing for its customers. X                                     | X           |
|                      |               | …is known as Chapter Eleven protection will help it… X                                        | X           |
|                      |               | …efforts to become a simpler, more efficient and cost-effective… X                            | X           |
| Roland Buerk         | 50            | …leaders would have been asking Europe for a helping hand… X                                   | X           |
|                      | 61            | …The temperature inside his sleeping bag was… X                                                | X           |
|                      |               | …There was nearly a disaster as the Slovenian climber… X                                      | X           |
|                      |               | …Tomaz Humar is famous for his solo assaults on… X                                              | X           |
|                      |               | …His earlier attempt also failed because of bad weather… X                                     | X           |
|                      | 121           | …The flimsy buildings were unable to withstand winds… X                                        | X           |
|                      |               | …The police say the number of dead may rise… X                                                 | X           |
|                      |               | …few would have been prepared for a storm so early in the year… X                            | X           |
| Dam Grammaticas      | 54            | …Here, people are ignoring warnings from… X                                                    | X           |
|                      | 62            | …Among Russia’s high command there is genuine gratitude… X                                     | X           |
|                      |               | …Minister Sergei Ivanov presented Commander Ian Riches and… X                                 | X           |
|                      |               | …Mr Ivanov is now asking President Putin to… X                                                 | X           |
|                      | 81            | …In Kamchatka in Far Eastern Russia, in Europe… X                                               | X           |
|                      |               | …but stable orbit there is a small chance that all is not lost… X                             | X           |
|                      |               | …it is likely to re-enter the atmosphere and burn up… X                                       | X           |
|                      |               | …designed to test whether it’s possible to power a spacecraft… X                               | X           |
|                      |               | …whether it’s possible to power a spacecraft by harnessing… X                                 | X           |
|                      | 223           | …there’s an atmosphere of gloom about the fate… X                                               | X           |
|                      |               | …the Siberian plain are oil wells and burning… X                                               | X           |
|                      |               | …times asking for assets and accounts to be… X                                                 | X           |
| Harry Peart          | 55            | …the financial lifeblood and the incentive for a successful season… X                           | X           |
|                      |               | …those clubs do not meet each other in the opening rounds… X                                   | X           |
|                      | 56            | None                                                                                           | X           |
|                      | 82            | …Roger Federer is not one of them… X                                                            | X           |
|                      |               | …who have both had major injury problems… X                                                     | X           |
|                      | 124           | …prepared to make major investments to secure the Olympics… X                                   | X           |
|                      |               | …to transform the city’s infrastructure, including a new metro… X                             | X           |
|                      |               | …Many of the sports facilities are already in place and… X                                     | X           |
|                      |               | …running alongside the Moscow river. IOC officials will… X                                    | X           |
|                      |               | …meet President Putin and have a private tour of the Kremlin… X                               | X           |
|                      |               | …Eastern bloc countries four years later in LA threatened… X                                   | X           |
|                      |               | …threatened the future of the Olympic movement… X                                              | X           |
|                      |               | …will be taken in Singapore on July the sixth… X                                               | X           |
|                      | 293           | …through the water and a massive rotating… X                                                    | X           |
|                      |               | …built in 1986 for a crew of ten. It was… X                                                    | X           |
|                      | 304           | …later was the runner up. It won the UEFA… X                                                    | X           |
|                      |               | …dollars last year, and owes Parmalat a … X                                                    | X           |
|                      |               | …survive. He says there is an Italian way of… X                                               | X           |
| Name                  | Text Ref. No. | Potential linking /r/ contexts                                      | Linking /r/ |
|-----------------------|---------------|---------------------------------------------------------------------|-------------|
| David Willey          | 57            | ...unusually realistic vision for the future of the Church...        | X           |
|                       |               | ...Catholic ethics and morals are in constant decline...             | X           |
|                       |               | ...young people are asking their pastors to be...                    | X           |
|                       |               | ...not looking, he said, for a Church which panders to youth...      | X           |
|                       |               | ...Earlier, in a homily, at the open-air Mass, he...                 | X           |
|                       | 115           | ...around his shoulders, a white bishop's mitre on his head...       | X           |
|                       |               | ...We queued for an hour and as we drew near to...                   | X           |
|                       |               | ...We queued for an hour and as we drew near to...                   | X           |
|                       |               | ...others recited the rosary prayer. As we crossed the...            | X           |
|                       |               | ...we crossed the polished-marble floor of the hall, bishops and...  | X           |
|                       |               | ...We were only allowed to pause for a moment...                     | X           |
|                       |               | ...only allowed to pause for a moment in recollection...              | X           |
|                       |               | ...ordinary pilgrims now waiting here in Rome for their chance...    | X           |
|                       | 132           | ...In the last chapter of his latest book the Pope gives...           | X           |
|                       |               | ...after he was shot in St Peters' Square in May 1981...             | X           |
|                       |               | ...Aja probably realised that there was a higher power at work...    | X           |
|                       |               | ...set to become a best seller even though the rather dense...        | X           |
|                       | 144           | ...face charges of murder, extortion and illegal possession of...     | X           |
|                       |               | ...thirty years ago and they're uncertain exactly what he...         | X           |
|                       | 151           | ...to protect not just smokers from the danger of lung cancer,...    | X           |
|                       |               | ...Bar and restaurant owners face hefty fines...                     | X           |
|                       |               | ...some landlords are already offering smokers alternative...         | X           |
|                       |               | ...The speaker of the lower house insists that...                    | X           |
|                       | 175           | ...house, the interior of which was...                               | X           |
|                       |               | ...nearly a year ago, but it's taken...                              | X           |
|                       |               | ...off any future disaster. A seat in the stalls or in one...       | X           |
|                       |               | ...in the stalls or in one of the elaborate...                       | X           |
|                       |               | ...visiting the theatre each day, paying...                          | X           |
| Red Harrison          | 58            | ...also a reflection of the elitist culture of the conservative...   | X           |
|                       |               | ...the term "mate" is also folklore in the Australian labour...       | X           |
|                       |               | ...at official functions when you can't remember a name...           | X           |
|                       |               | ...apparently imposed after a senior official complained...           | X           |
|                       |               | ...imposed after a senior official complained of being...            | X           |
|                       |               | ...security guards were ordered to be more courteous...              | X           |
|                       |               | ...but the ban went too far. It will be revoked...                   | X           |
|                       |               | ...nearly a year ago, but it's taken...                              | X           |
|                       | 126           | ...The senior FARC commander is accused of running a drugs...         | X           |
|                       |               | ...Sonia was captured in February last year, in a heli-borne raid... | X           |
|                       |               | ...evidence that will be used against her in court...                | X           |
| Jeremy McDermott      | 59            | ...The company lost another aircraft in March this year...           | X           |
|                       |               | ...lost another aircraft in March this year in a crash which killed...| X           |
|                       | 126           | ...The senior FARC commander is accused of running a drugs...         | X           |
|                       |               | ...Sonia was captured in February last year, in a heli-borne raid... | X           |
|                       |               | ...evidence that will be used against her in court...                | X           |
| Roger Hardy           | 60            | ...but it poses considerable challenges for all of them...           | X           |
|                       |               | ...For Israel it's a departure from past policy...                   | X           |
|                       |               | ...Palestinians regard as part of a future independent state,...     | X           |
|                       |               | ...of a future independent state, moreover it's done so...           | X           |
|                       |               | ...Prime Minister Ariel Sharon, the man who's taken...               | X           |
|                       | 198           | ...important week for Ayad Allawi. His visit...                     | X           |
|                       |               | ...world to honour its pledges...                                   | X           |
|                       |               | ...But if Mr Allawi has some urgent...                               | X           |
|                       |               | ...now are effectively in the hands of...                           | X           |
|                       |               | ...home, the more urgent the questions...                            | X           |
| Name                  | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|----------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Martin Plaut         | 65            | …John Garang was a towering figure in Sudanese politics…                                         | X           |
|                      |               | …And just as Yasser Arafat came to symbolise…                                                   | X           |
|                      |               | …Commentators say Mr Kur is a quiet man who could be…                                            | X           |
|                      |               | …a quiet man who could be more of a unifier across the…                                         | X           |
|                      |               | …more of a unifier across the South than Mr Garang…                                              | X           |
|                      |               | …devastated by long years of fighting, people are in mourning…                                  | X           |
|                      | 248           | …the opening session, the Commissioner of the new Council…                                       | X           |
|                      |               | …put this into practice. The answer is - only slowly. Getting…                                  | X           |
| Oliver Conway        | 70            | …Another… said their artistic expertise was being disregarded…                                   | X           |
|                      |               | …Marin Alsop, a forty-eight-year-old American, is currently…                                     | X           |
|                      |               | …the principal director at Bournemouth Symphony Orchestra…                                        | X           |
|                      | 200           | …demanding more access to their children…                                                       | X           |
|                      |               | …around the entire area - and brought…                                                          | X           |
|                      |               | …Royal Family were at the Palace…                                                                | X           |
| David Loyn            | 72            | …on all three solutions for Africa’s problems…                                                    | X           |
|                      |               | …But now it appears that there is a concerted attempt…                                            | X           |
|                      |               | …in order to have their interest payments not written off but…                                  | X           |
| Chris Hogg            | 73            | …a victory for them. The earlier edition of their work was only…                                | X           |
|                      | 97            | …The tower of steamed buns, some eighteen metres high…                                            | X           |
|                      |               | …try to scramble up, climbing over each other and fighting…                                      | X           |
|                      |               | …more strictly controlled. There are even crash mats…                                            | X           |
|                      |               | …more strictly controlled. There are even crash mats…                                            | X           |
|                      | 191           | None                                                                                           | X           |
|                      | 192           | …can last for an hour and…                                                                     | X           |
|                      |               | …last for an hour and within four…                                                              | X           |
|                      |               | …and within four hours a white blister…                                                          | X           |
|                      |               | …a white blister appears, The Red…                                                              | X           |
|                      |               | …The Red Fire Ant comes from…                                                                  | X           |
|                      |               | …red fire anthills have been…                                                                  | X           |
|                      |               | …in the centre of the capital, Taipei…                                                           | X           |
|                      |               | …the red fire ants were brought…                                                                | X           |
|                      |               | …describe this as a war of attrition…                                                            | X           |
|                      |               | …United States each year and more than six-and-a-half billion…                                  | X           |
|                      | 213           | …or rather their owners, were playing…                                                           | X           |
|                      |               | …gangs, known here as triads…                                                                  | X           |
|                      |               | …fights, which were a popular pastime…                                                           | X           |
|                      |               | …sixties, are quite rare in Hong Kong…                                                            | X           |
| Chris Hogg            | 227           | …presents a stark picture of the situation…                                                      | X           |
|                      |               | …a pattern Mr Annan says is terrifying. At…                                                        | X           |
|                      |               | …community must work harder on a number of fronts…                                               | X           |
|                      |               | …must work harder on a number of fronts: women…                                                   | X           |
| James Westhead        | 74            | …that of a desperately ill eight-year-old boy subjected to…                                      | X           |
|                      |               | …Despite repeated pleas for urgent action the Angolan…                                           | X           |
|                      |               | …They say the boy died later in hospital…                                                         | X           |
| Lawrence Pollard      | 76            | …in Scotland or on the millions living in poverty in Africa…                                     | X           |
|                      |               | …Perhaps aware of this one of the stars of the London concert…                                   | X           |
|                      |               | …is known as a generous donor - again cynics will point out he…                                  | X           |
|                      |               | …an important gesture in maintaining the moral high…                                             | X           |
|                      |               | …Gilmour urged other musicians - as well as their…                                               | X           |
| Name               | Text Ref. No. | Potential linking /r/ contexts | Linking /r/ |
|--------------------|--------------|--------------------------------|-------------|
| Steven Eke         | 80           | …booming shopping malls or elite supermarkets, it's easy… | X           |
|                    |              | …it's easy to think there isn't that much wrong with the… | X           |
|                    |              | …warnings are a clear sign of this… | X           |
|                    |              | …in areas like hi-tech industry, infrastructure and housing… | X           |
|                    |              | …There are serious disagreements between… | X           |
|                    |              | …disagreements between the minister of finance and the… | X           |
|                    |              | …minister of finance and the minister of economic development… | X           |
|                    |              | …today reported to have boiled over at a government meeting… | X           |
| William Horsley    | 90           | …saying there was no longer any treaty to vote on… | X           |
|                    |              | …set out in the constitution for a new, more formal European… | X           |
|                    |              | …more formal European layer of government,… | X           |
|                    |              | …EU diplomatic service and more EU-level powers… | X           |
|                    |              | …have long claimed as the pillar of the EU project… | X           |
|                    |              | …which other members states consider urgent and vital… | X           |
|                    |              | …and the Union has not been blessed with either in recent times. | X           |
|                    | 108          | …cardinals did not after all choose an African or Latin… | X           |
|                    |              | …chose Joseph Ratzinger, a theologian who's spent many years… | X           |
|                    |              | …he new pope, though respected for his intellect, may… | X           |
|                    |              | …as a step backwards for its wider image; as a doctrinaire or… | X           |
|                    |              | …wider image; as a doctrinaire or even authoritarian figure… | X           |
|                    | 243          | … President Chirac paid their own emotional … | X           |
|                    | 269          | …A traveller a year ago might almost… | X           |
|                    |              | …A traveller a year ago might almost… | X           |
|                    |              | …evenly split for and against the war… | X           |
|                    |              | …successes, were a regular part of… | X           |
|                    |              | …reports for example from Iraqi… | X           |
|                    |              | …in Britain became the forum for an impassioned public debate… | X           |
|                    |              | …British government over its reporting of… | X           |
|                    |              | …realism to the picture of the war given… | X           |
|                    |              | …the coalition were excluded from that system… | X           |
| Torin Douglas      | 94           | …not be broadcast, and twenty-four-hour news networks will… | X           |
|                    |              | … the efficiency savings are vital for it to respond to… | X           |
|                    | 292          | None                                  | X           |
| Steve Jackson      | 103          | …But one year on, the company has proclaimed it a success… | X           |
| Mark Doyle         | 104          | …The UN investigator I flew with, Caspar Fithen, identified… | X           |
|                    |              | …But other mines were much larger operations… | X           |
|                    |              | …when they saw the white UN plane we were in…. | X           |
| Yousef Anani       | 111          | …there have been no reports so far of anyone handling the virus… | X           |
| Jonathan Beale     | 117          | …The US has been pressing hard for international action on… | X           |
|                    |              | …on those individuals who violate the ceasefire or who commit… | X           |
|                    |              | …France is expected to push for a Security Council vote that… | X           |
| Name               | Text Ref. No. | Potential linking /r/ contexts | Linking /r/ |
|--------------------|---------------|--------------------------------|-------------|
| Jonathan Kent      | 123           | ...that followed the tsunami is over. On Monday at least ten... | X           |
|                    |               | ...at least ten pirates opened fire on a Japanese-flagged tug... | X           |
|                    |               | ...Two days earlier an Indonesian tanker, the Tri Samudra,... | X           |
|                    |               | ...The captain and first engineer are still missing... | X           |
|                    |               | ...pirates from...region of Aceh are operating once again... | X           |
|                    |               | ...Bureau's piracy reporting centre in Kuala Lumpur attributes... | X           |
|                    |               | ...reporting centre in Kuala Lumpur attributes the earlier respite... | X           |
|                    | 152           | ...it had assembled to deliver aid... | X           |
|                    | 197           | ...glass container in a shopping centre... | X           |
|                    | 225           | ...If you send a letter and misspell the street name, a sharp... | X           |
|                    |               | ...can still make sure it reaches its... | X           |
|                    |               | ...users can communicate more easily... | X           |
|                    | 237           | ...Corporation for Assigned Names and... | X           |
|                    |               | ...the ten-member Association of South-East... | X           |
|                    |               | ...two generations for Asia to match... | X           |
| Rodney Smith       | 127           | ...has already made a name for himself as head of Sony... | X           |
|                    |               | ...best known for its Playstation portable video games console... | X           |
|                    |               | ...the Walkman territory that Sony once claimed for itself... | X           |
|                    |               | ...grew up in Cardiff in Wales, where he still has a home... | X           |
|                    |               | ...it is unusual for a non-Japanese to reach the highest levels... | X           |
| James Coomarasam   | 130           | ...The film won four Oscars in total with Hilary Swank picking... | X           |
|                    |               | ...portrayal of a female boxer and Morgan Freeman named Best... | X           |
|                    |               | ...duly won Best Actor for his portrayal of Ray Charles, but it... | X           |
|                    |               | ...he shared with his ninety-six year old mother who was... | X           |
| Peter Bowes        | 133           | ...Hunter S Thompson is credited with... | X           |
|                    |               | ...Fear and Loathing in Las Vegas became a psychedelic... | X           |
|                    |               | ...Hunter S Thompson made an art out of... | X           |
|                    |               | ...other books included Fear and Loathing on the Campaign... | X           |
|                    |               | ...he also wrote the script for a two hour TV movie... | X           |
|                    |               | ...a story about an unstable former alcoholic and drug addicted... | X           |
|                    |               | ...Hunter S Thompson's most recent work was... | X           |
|                    | 160           | ...and sports promoter. According to Mr Sillerman... | X           |
|                    |               | ...American pop culture and he doesn't... | X           |
|                    |               | ...through more aggressive marketing... | X           |
|                    |               | ...an even bigger earner... | X           |
|                    |               | ...visitors a year and the annual... | X           |
| Dan Isaacs         | 139           | ...the compound where Yasser Arafat's body is buried... | X           |
|                    |               | ...are clearly wary of greater engagement in the process... | X           |
|                    | 153           | ...To share a few moments in silent memory... | X           |
|                    | 187           | ... But the country's oil sector is in a mess and needs... | X           |
|                    |               | ... to import the rest - a severe and unnecessary drain... | X           |
| Name                | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|---------------------|--------------|-----------------------------------------------------------------------------------------------|-------------|
| Paul Wood           | 142          | …may not be available for another ten days...X                                                  |             |
| Francis Markus      | 143          | …Hong Kong is on alert for a new and unwelcome visitor...X                                      |             |
|                     |              | …The native South American red fire ant, after its...X                                         |             |
|                     |              | …South American red fire ant, after its anthills were found...X                              | X           |
|                     |              | …the infestation of red fire ants is also threatening the...X                                | X           |
|                     |              | …tees from across the border in China...X                                                      |             |
|                     |              | …customs officers across the border are reported to be...X                                   | X           |
|                     |              | …Meanwhile questions are also being asked about why it...X                                  | X           |
| 205                 |              | None                                                                                          |             |
| Paul Welsh          | 145          | …There are 600 million small arms and light weapons...X                                       | X           |
|                     |              | …half a million people a year, according to the United Nations...X                            | X           |
|                     |              | …can be traced from field to table anywhere in the world...X                                  | X           |
| Andrew North        | 156          | …A year ago it took about two… X                                                               |             |
|                     |              | …link between Kandahar and the western...X                                                      | X           |
|                     |              | …other road projects are underway...X                                                            |             |
|                     |              | …running water, power or schools remain...X                                                     | X           |
|                     |              | …Agency for International Development...X                                                       | X           |
|                     |              | …country's infrastructure is in such...X                                                        | X           |
|                     |              | …and east where attacks by anti-government...X                                                  | X           |
|                     |              | …For instance, the main US roads...X                                                            | X           |
|                     |              | …representing another of the arrested...X                                                       | X           |
| Elliott Gotkine     | 157          | …in the hemisphere, Almost a fifth...X                                                           | X           |
|                     |              | …of Uruguayans are aged over sixty...X                                                          | X           |
|                     |              | …But there are other reasons too...X                                                             | X           |
|                     |              | …But there are other reasons too...X                                                             | X           |
|                     |              | …neighbours, there is a very relaxed...X                                                         | X           |
|                     |              | …to seek better opportunities abroad...X                                                          | X           |
|                     |              | …These countries are only too happy...X                                                           | X           |
|                     |              | …deal with their own problems of...X                                                             | X           |
|                     |              | …with Argentina last September, it came with ...X                                               | X           |
|                     |              | …doesn't go far enough because it doesn't...X                                                   | X           |
|                     |              | …when just hours before it was due to begin Argentina...X                                       | X           |
|                     |              | …associate members of Mercosur, a status already...X                                             | X           |
| Jonny Dymond        | 159          | …the founder of the Turkish Republic...X                                                          | X           |
|                     |              | …constitutional order; if he is convicted...X                                                   | X           |
|                     | 239          | …the government, Mr Ihsanoglu won a...X                                                          | X           |
|                     |              | …presented Mr Ihsanoglu as a reform...X                                                           | X           |
|                     |              | …and the wider Islamic world, The...X                                                            | X           |
|                     |              | …yielded to government pressure and has...X                                                      | X           |
| John Leyne          | 163          | …of Zarqa there are row upon...X                                                                | X           |
| Name             | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|------------------|---------------|------------------------------------------------------------------------------------------------|-------------|
| Rob Cameron      | 170           | None                                                                                                                                               | YES         |
|                  | 173           | …Prague's Narodni street, after a legal…                                                                                                        | X           |
|                  |               | …regime. After a tense standoff…                                                                                                                 | X           |
|                  |               | …positions of power and influence…                                                                                                               | X           |
| James Reynolds   | 177           | …After a morning of arguments and delays…                                                                                                       | X           |
|                  |               | …comments made by Yasser Arafat's wife, Suha…                                                                                                   | X           |
|                  |               | …and others from seeing Mr. Arafat…                                                                                                            | X           |
|                  |               | …counterparts for information about their…                                                                                                      | X           |
|                  |               | …Many here in Ramallah have criticised…                                                                                                          | X           |
| Bill Hayton      | 181           | …and its bright red colour and sweet hot taste liven…                                                                                             | X           |
| Hugh Schofield   | 183           | …February of last year. It quickly…                                                                                                              | X           |
|                  |               | …him some four-and-a-half-thousand…                                                                                                              | X           |
|                  |               | …that they were alerted in the year…                                                                                                            | X           |
|                  |               | …suspiciously large number of people…                                                                                                            | X           |
|                  |               | …popular performer in the then…                                                                                                                 | X           |
|                  |               | …fashion for African and world…                                                                                                                 | X           |
| Tim Franks       | 190           | …mainland if it's for your own consumption or to be…                                                                                                | X           |
|                  |               | …through a cash bar at a wedding - that too is a…                                                                                                | X           |
|                  |               | …Last year, according to government figures, out…                                                                                               | X           |
| James Helm       | 202           | …of March this year and its impact is being…                                                                                                     | X           |
|                  |               | …Gallaher, the manufacturer of big, well known…                                                                                                  | X           |
|                  |               | …percent market share in Ireland, show…                                                                                                          | X           |
|                  |               | …smoke, the better it is for the nation's…                                                                                                       | X           |
|                  |               | …by many bar owners who say it's…                                                                                                                | X           |
|                  |               | …outside Ireland are also watching its experience…                                                                                               | X           |
| Justin Webb      | 207           | …Republicans gather in New York…                                                                                                                 | X           |
|                  |               | …who was mayor of New York…                                                                                                                     | X           |
|                  |               | …flinched in the war on terrorism…                                                                                                               | X           |
|                  | 230           | …whirlwind tour is an attempt to…                                                                                                                 | X           |
|                  |               | …introduce Mr Edwards to the American…                                                                                                          | X           |
|                  |               | …to the rather uninspiring Kerry…                                                                                                                | X           |
|                  |               | …describing Mr Edwards as a politically…                                                                                                         | X           |
|                  |               | …The party's leader in the Senate…                                                                                                               | X           |
|                  |               | …described Mr Edwards as a man of…                                                                                                               | X           |
|                  | 302           | …made by Mr O'Neill are that the…                                                                                                                | X           |
|                  |               | …that his war against Saddam Hussein…                                                                                                           | X           |
|                  |               | …thanking Mr O'Neill for his years…                                                                                                              | X           |
|                  |               | …thanking Mr O'Neill for his years…                                                                                                              | X           |
|                  |               | …Department, which Mr O'Neill once ran…                                                                                                          | X           |
|                  |               | …to see whether any of the documents…                                                                                                            | X           |
|                  |               | …by the former minister in support of his…                                                                                                       | X           |
|                  |               | …without further action being taken and…                                                                                                         | X           |
|                  |               | …made the right choices at home or abroad…                                                                                                       | X           |
| Richard Black    | 209           | …It started a year ago, when Islamic clerics…                                                                                                    | X           |
|                  |               | …the Co-ordinator of the Global Polio…                                                                                                          | X           |
|                  |               | …But there is a continent-wide plan…                                                                                                             | X           |
|                  |               | …But as yet there aren't enough funds…                                                                                                          | X           |
|                  |               | …end of this year alone – and…                                                                                                                   | X           |
|                  |               | …and there are still questions over…                                                                                                              | X           |
| Matt Prodger     | 219           | …is all the more ironic since Italian…                                                                                                          | X           |
|                  |               | …Montenegro for at least another six…                                                                                                             | X           |
| Name                  | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|----------------------|--------------|-----------------------------------------------------------------------------------------------|-------------|
| Richard Galpin       | 231          | …dreams had ever imagined their team would…                                                   | X           |
|                      |              | …total transformation for a team which had been…                                               | X           |
|                      | 257          | …within half an hour of each other outside…                                                   | X           |
|                      |              | …hour of each other outside a police station…                                                   | X           |
|                      |              | …of the city centre. A national newspaper received…                                             | X           |
|                      |              | …have carried out similar attacks in the past…                                                  | X           |
|                      |              | …responsible for a series of murders and…                                                      | X           |
|                      |              | …jailed last December and are serving…                                                        | X           |
| Dan Collys            | 232          | …Chang Caine, or Grasshopper, as he was known…                                                 | X           |
|                      |              | …In China alone, there are fifty-four Shaolin…                                                 | X           |
|                      |              | …from car tyres to beer and cigarettes…                                                        | X           |
|                      |              | …fifteen-hundred-year-old Shaolin Temple…                                                      | X           |
|                      |              | …as seeking their own trademark, they’ve also…                                                  | X           |
| Andrew Marr           | 234          | …forward the transfer of sovereignty…                                                           | X           |
|                      |              | …announcement later on. Diplomats…                                                              | X           |
|                      |              | …lunchtime, Mr Blair and George…                                                                | X           |
|                      |              | …doesn’t matter as much as the…                                                                | X           |
|                      |              | …impatient pager Iraqi administration…                                                          | X           |
| Crispin Thorold       | 251          | …to choose the net leader of the party…                                                         | X           |
|                      |              | …become prime minister. If this last-ditch attempt to persuade…                               | X           |
|                      | 267          | None                                                                                           | X           |
| Alan Johnson          | 252          | …and Rafah is braced for more of the same…                                                      | X           |
|                      |              | …clothes, carpets and furniture - it's all been stored with friends…                          | X           |
|                      |              | …parts of town. In bare and echoing rooms…                                                      | X           |
| Adrian Brown          | 258          | …Thatcher came to power in May nineteen…                                                         | X           |
|                      |              | …The trades unions were a political…                                                             | X           |
|                      |              | …state to provide their every need…                                                             | X           |
|                      |              | …changed during her eleven years in power…                                                      | X           |
|                      |              | …more responsibility for their own lives…                                                       | X           |
|                      |              | …changed however is the argument over…                                                         | X           |
| Barnaby Phillips      | 260          | None                                                                                           | X           |
|                      | 265          | None                                                                                           | X           |
| David Bamford         | 262          | …but still nationally significant for all that…                                                 | X           |
|                      |              | …Its 79 year old leader, the prime…                                                             | X           |
|                      |              | …the prime minister Atal Behari Vajpayee…                                                       | X           |
|                      |              | …is not just a matter of impressive growth…                                                     | X           |
|                      |              | …has moved to the centre and has taken…                                                         | X           |
| John Devitt           | 263          | …This has been the procedure in the past…                                                       | X           |
|                      |              | …the past with major EU treaties, such…                                                          | X           |
|                      |              | …sceptical too. There is, though, a broader…                                                    | X           |
|                      |              | …coalition in favour of a referendum…                                                           | X           |
|                      |              | …the Liberal Democrats for example, believe…                                                     | X           |
|                      |              | …hands to win over an argument which…                                                           | X           |
|                      |              | …referendum shortly before a general election…                                                   | X           |
| Name            | Text Ref. No. | Potential linking /r/ contexts | Linking /r/ |
|-----------------|--------------|--------------------------------|-------------|
| John Devitt     | 296          | ...Mr Blair had to use all his powers... | X           |
|                 |              | ...to change the way higher education is funded... | X           |
|                 |              | ...behind the prime minister, in particular, the... | X           |
|                 |              | ...rebels to back Mr Blair at the last moment... | X           |
|                 |              | ...an unpopular measure, and it remains to be... | X           |
|                 |              | ...the prime minister. He has already... | X           |
| Russell Padmore | 271          | ...prompted about a quarter of smokers to... | X           |
|                 |              | ...it's convinced there are many benefits... | X           |
|                 |              | ...industry is not a major employer here, so... | X           |
|                 |              | ...that they are expected to enforce it... | X           |
| Malcolm Brabant | 279          | ...Democracy's celebrations are over already under... | X           |
|                 |              | ...celebrations are over already under instruction... | X           |
|                 |              | ...over already under instruction from the new Prime... | X           |
|                 |              | ...the best and safest ever and in that respect he's... | X           |
|                 |              | ...and there are several major projects... | X           |
|                 |              | ...Olympic Committee are afraid that Greece's... | X           |
| John Andrew     | 280          | ...who see the chancellor as Mr Blair's natural... | X           |
| Thomas Hickey   | 288          | ...sight of the centre of Sydney. Over the... | X           |
|                 |              | ...dependency on welfare in many native communities... | X           |
|                 |              | ...young Aborigines are often strained at the best... | X           |
|                 |              | ...major setback for efforts to improve relations... | X           |
| Duncan Bartlett | 289          | ...to keep the code for its Windows operating... | X           |
|                 |              | ...and difficult for all but the most sophisticated... | X           |
| Jim Muir        | 290          | ...by public resignation, or indifference rather than anger... | X           |
| Tim Hirsch      | 291          | ...River Thames and other English rivers causing... | X           |
| Keith Adams     | 295          | ...the BBC could go too far in trying to please... | X           |
|                 |              | ...upon the renewal of the charter for its funding... | X           |
| David Willis    | 298          | ...able to wake the rover up. At the moment... | X           |
|                 |              | ...moment it's neither obeying commands nor... | X           |
|                 |              | ...first identify whether it's a software or... | X           |
|                 |              | ...whether it's a software or hardware problem... | X           |
|                 |              | ...They point out there is a precedent for this... | X           |
|                 |              | ...communication was lost for a period... | X           |
| Rob Watson      | 299          | ...he insisted the 'war on terrorism' had made... | X           |
|                 |              | ...war wasn't over and this no time for a change... | X           |
|                 |              | ...over and this no time for a change at the White... | X           |
|                 |              | ...its search for a challenger, President Bush... | X           |
| Danny Shaw      | 300          | ...until its downfall over a year later the Taleban... | X           |
| Jonathan Marcus | 305          | ...fighting units, that matter and it's these... | X           |
|                 |              | ...it's these that are in short supply. Of... | X           |
|                 |              | ...for deployment, or have just returned... | X           |
|                 |              | ...Bear in mind the US military is also undergoing... | X           |
|                 |              | ...Some units are adapting to new roles and new... | X           |
|                 |              | ...is still an all volunteer army are unhappy and the... | X           |
|                 |              | ...all volunteer army are unhappy and the latest efforts... | X           |
|                 |              | ...deployed in Iraq or Afghanistan will only add... | X           |
|                 |              | ...duty, drawing more on reserves and getting the... | X           |
| Daniel Schweinler| 306          | ...driving the market further underground. They... | X           |
|                 |              | ...animal markets and are a prized dish in wildlife... | X           |
|                 |              | ...restaurants. They are also believed to have medicinal... | X           |
Appendix E. Name of speaker, text reference numbers, phoneme involved (Ph.), potential intrusive /r/ contexts –word internal position- and presence/absence of intrusive /r/ in the potential contexts.

| Name                  | Text Ref. No. | Ph. | Potential intrusive /r/ contexts                                                                 | Intrusive /r/ |
|-----------------------|---------------|-----|--------------------------------------------------------------------------------------------------|---------------|
| Monica Whitlock       | 174           | /ɔ:/ | ... part of a staged withdrawal of all Russian ...                                                   | X             |
| Roger Hardy           | 60            | /ɔ:/ | ...the withdrawal is important for the Israelis...                                                  | X             |
| Dan Isaacs            | 139           | /ɔ:/ | ...the Israeli withdrawal really can revive...                                                     | X             |
| Jonathan Marcus       | 305           | /ɔ:/ | ...extending tours of duty, drawing more on reserves....                                            |               |

Appendix F. Name of speaker, text reference numbers, potential linking/intrusive /r/ contexts -compounds-, and presence/absence of /r/-liaison in the potential contexts.

NON-HYPHENATED COMPOUNDS

| Name                  | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|-----------------------|---------------|---------------------------------------------------------------------------------------------------|-------------|
| Steve Kingstone       | 30            | ...anyone over twenty-five will be able to buy a firearm?...                                       | X           |
| Mark Gregory          | 31            | ...world crop of star anise comes from just four provinces...                                       | X           |
| Rebecca Jones         | 99            | ...from the seeds of the star anise plant, which for centuries...                                  | X           |
| J. Coomarasam         | 130           | ...directors from the Far East will appear them...                                                  | X           |
| Francis Markus        | 143           | ...The native South American red fire ant, after its...                                              | X           |
| Chris Hogg            | 192           | ...The Red Fire Ant comes from...                                                                  | X           |
| James Helm 202        | 202           | ...by many bar owners who say it's...                                                              | X           |
| John Devitt           | 296           | ...to change the way higher education is funded...                                                   | X           |
| Rob Watson            | 299           | ...he insisted the ‘war on terrorism’ had made...                                                    | X           |
| Harry Peart           | 304           | ...later was the runner up. It won the UEFA...                                                       | X           |

HYPHENATED COMPOUNDS

| Name                  | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|-----------------------|---------------|---------------------------------------------------------------------------------------------------|-------------|
| Bernadette Kehoe      | 11            | ...52-year-old Carol, who qualified as a solicitor...                                               | X           |
| Steve Kingstone       | 42            | ...the phone conversations of forty-three year-old Edison Pereira...                               | X           |
| Oliver Conway         | 70            | ...Marin Alsop, a forty-eight-year-old American, is currently the...                               | X           |
| James Westhead        | 74            | ...that of a desperately ill eight year-old boy subjected to...                                     | X           |
| Karen O'Brien         | 87            | ...would always be frustrated at the near-obsession with her...                                    | X           |
| Torin Douglas         | 94            | ...not be broadcast, and twenty-four-hour news networks will...                                     | X           |
| Hugh Schofield        | 183           | ...him some four-and-a-half-thousand...                                                             | X           |
| Louise Cooper         | 184           | ...The six-year-old company is valued at around...                                                   | X           |
| Tamzin Smith          | 194           | ...two 28-year-old aid workers...                                                                  | X           |
| Francis Markus        | 206           | ...young newspaper editor-in-chief Cheng...                                                          | X           |
| Helen Briggs          | 275           | ...of the risks of near-Earth objects...                                                             | X           |
| Dan Collyns           | 232           | ...fifteen-hundred-year Shaolin Temple...                                                            | X           |
Appendix G. Name of speaker, text reference numbers, potential linking/intrusive /r/ contexts after syllables beginning with /r/, and presence/absence of /r/-liaison in the potential contexts.

### Linking /r/

| Name              | Text Ref. No. | Potential linking /r/ contexts                                      | Linking /r/ |
|-------------------|---------------|---------------------------------------------------------------------|-------------|
| Jonathan Head     | 10            | ... the most expensive typing error in history...                    | X           |
| Kevin Gearey      | 15            | ...George Best had a rare ability to make the ball do his bidding...| X           |
| Jill McGivering   | 48            | ...a degree of political security rare in Japan...                   | X           |
| Andrew Walker     | 52            | ...He also said there are often additional factors that can...       | X           |
| Harry Peart       | 82            | ...Roger Federer is not one of them...                               | X           |
| Phil Mercer       | 95            | ...Weather forecasters have said there are early signs that...       | X           |
| Chris Hogg        | 97            | ...more strictly controlled. There are even crash mats...           | X           |
| Mark Gregory      | 125           | ...There are a record 691 dollar billionaires, according to...        | X           |
| Elliott Gotkine   | 157           | ...But there are other reasons too...                                | X           |
| James Helm        | 202           | ...Gallaher, the manufacturer of big, well known...                  | X           |
| Chris Hogg        | 261           | ...sixties, are quite rare in Hong Kong...                           | X           |
| Helen Briggs      | 277           | ...Now there are only two breeding...                                | X           |

### Intrusive /r/

| Name              | Text Ref. No. | Potential intrusive /r/ contexts                                     | Intrusive /r/ |
|-------------------|---------------|---------------------------------------------------------------------|---------------|
| Tom Gibb          | 26            | ...bitten by bats in an area of marshlands...                        | X             |
| Jill McGivering   | 28            | ...Others, including France, Belgium, Austria and Finland, have...   | X             |
| Andrew Walker     | 52            | ...information in their databases about the area affected...         | X             |
| Roger Hardy       | 60            | ...the withdrawal is important for the Israelis...                   | X             |
| Phil Mercer       | 68            | ...the government in Canberra is allowing...                         | X             |
| Oliver Conway     | 70            | ...at Bournemouth Symphony Orchestra in Britain...                   | X             |
| Sarah Toms        | 84            | ...he called for the overthrow of the president, Gloria Arroyo...    | X             |
| Karen O'Brien     | 87            | ...change her name -- Anna Maria Italiano -- to help her career...    | X             |
| Steve Jackson     | 103           | ...reliable workers into a prize draw, it was greeted with some...   | X             |
| Mark Doyle        | 104           | ...exported from Liberia, industry sources say it is most unlikely...| X             |
| Dan Isaacs        | 139           | ...Palestinian prisoners and the withdrawal of Israeli soldiers...    | X             |
| Steve Kingstone   | 220           | ...profitable and draw in much-needed...                             | X             |
| Mark Gregory      | 146           | ...the study found that firms tend to draw up formal policies...     | X             |
| Andrew Walker     | 147           | ...to travel without extra air traffic movements...                  | X             |
| Phil Mercer       | 150           | ...an area almost the size of Greater London has been destroyed...   | X             |
| Monica Whitlock   | 174           | ...part of a staged withdrawal of all Russian...                     | X             |
| Anna Borzello     | 196           | ...reached its decision. Nigeria is the sixth largest exporter...    | X             |
| Oliver Conway     | 200           | ...around the entire area - and brought...                           | X             |
| Steve Kingstone   | 220           | ...would probably draw a line under ...                              | X             |
| D. Grammaticas    | 223           | ...Western Siberia is the heart of ...                               | X             |
| Steve Kingstone   | 264           | ...traffickers tried to move into the area. In all, twelve people have... | X             |
| Barnaby Phillips  | 265           | ...the capital Pretoria and urged ...                                | X             |
| Jonathan Marcus   | 305           | ...extending tours of duty, drawing more on reserves...              | X             |
Appendix H. Name of speaker, text reference numbers, potential linking/intrusive /r/ contexts in the common expressions/collocations for instance/example and the/a number of, and presence/absence of linking /r/in the potential contexts.

a) For instance/for example

| Name                | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|---------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Elizabeth Blunt     | 18            | ...but in Indonesia, for instance, if you carry a clean needle…                              | X           |
| Tracey Logan        | 218           | ... core so big, for instance? Where…                                                          | X           |
| Sally Hardcastle    | 287           | ... scooters are up, for example, and taxi drivers …                                             | X           |
| Andrew Walker       | 52            | ... factors that can push up losses - for example, labour and…                                 | X           |
| Phil Mercer         | 95            | ... if a wife or son, for example, has taken up work in a…                                     | X           |
| Mark Gregory        | 125           | ... there are for example three Russians and four Indians…                                      | X           |
| Stephen Evans       | 44            | ... the number of British air passengers, for example, will more…                              | X           |
| Ray Furlong         | 39            | ... the Christian Democrats, for instance, scored 37 percent support…                          | X           |
| Julian Siddle       | 163           | ... and power stations for example, their emissions are…                                       | X           |
| William Horsley     | 269           | ... reports for example from Iraqi …                                                             | X           |
| Andrew North        | 156           | ... For instance, the main US roads …                                                            | X           |
| John Devitt         | 263           | ... the Liberal Democrats for example, believe …                                                 | X           |

b) the/a number of

| Name                | Text Ref. No. | Potential linking /r/ contexts                                                                 | Linking /r/ |
|---------------------|---------------|-----------------------------------------------------------------------------------------------|-------------|
| Caroline Havley     | 88            | ... struggling... with the number of casualties they're treating…                              | X           |
| Naomi Grimley       | 101           | ... Britain's third party... have also increased their number of MPs…                           | X           |
| Anna Borzello       | 112           | ... cannot deal with the high number of visa applications…                                      | X           |
| Rebecca Pike        | 113           | ... impact this could have on a number of marginal West Midlands…                               | X           |
| Lesley Curwen       | 286           | ... have charged a number of lower and mid-level ...                                              | X           |
| Sally Hardcastle    | 287           | ... reduced the number of vehicles going …                                                       | X           |
| Andrew Walker       | 147           | ... seems to be one of a large number of direct, or 'point to point'…                          | X           |
| Mark Gregory        | 178           | ... in spending in a number of areas, notably security …                                         | X           |
| Phil Mercer         | 2             | A large number of marsupials are killed or injured…                                             | X           |
| Jonathan Head       | 140           | ... the actual number of people looking for work                                                 | X           |
| 10                  | 40            | 40 times the total number of shares in the company…                                             | X           |
| 176                 | 2000         | ... kidnapped a number of Japanese nationals…                                                   | X           |
| 256                 | 50           | ... has also caught out a number of opposition ...                                               | X           |
| Chris Morris        | 240           | ... While the number of people staying…                                                         | X           |
| Roland Pease        | 14            | ... That brings the total number of named tropical storms in…                                   | X           |
| Charles Scanlon     | 43            | ... The number of storms that reached hurricane status…                                          | X           |
| Guy De Launey       | 22            | ... That brings the total number of named tropical storms in…                                   | X           |
| 44                  | 500          | ... the number of British air passengers, for example…                                           | X           |
| Alistair Leithhead  | 38            | The total number of dead, around one thousand two hundred…                                     | X           |
| Roland Buerk        | 121           | ... The police say the number of dead may rise.                                                  | X           |
| Chris Hogg          | 227           | ... must work harder on a number of fronts: women …                                               | X           |
| Hugh Schofield      | 183           | ... suspiciously large number of people …                                                        | X           |
### Appendix I. Name of speaker, text reference numbers, potential linking /r/ contexts before unstressed of, and presence/absence of linking /r/ in the potential contexts.

| Name                  | Text Ref. No. | Potential linking /r/ contexts | Intrusive /r/ |
|-----------------------|---------------|--------------------------------|---------------|
| Phil Mercer           | 2             | A large number of marsupials are killed or injured… | NO           |
|                       | 95            | …travelled to one parched corner of New South Wales where… | X            |
| Rachel Harvey         | 8             | …The other is the political future of the province… | X            |
| Stephen Gibbs         | 9             | …this was an extraordinary event, a reminder of just how much… | X            |
| Jonathan Head         | 10            | …40 times the total number of shares in the company… | X            |
|                       | 176           | …kidnapped a number of Japanese nationals… | X            |
|                       | 256           | …has also caught out a number of opposition… | X            |
| Bernadette Kehoe      | 11            | …blissfully unaware of her own genius. | X            |
| Roland Pease          | 14            | …That brings the total number of named tropical storms in… | X            |
|                       | 77            | …The number of storms that reached hurricane status… | X            |
| Kevin Gearey          | 15            | Best was named European Footballer of the Year, and the young… | X            |
| Jeremy Cooke          | 20            | The tape recordings are of interviews conducted with… | X            |
|                       | 67            | Fresh in everyone's mind here of course is the Columbia disaster… | X            |
|                       |               | …is the Columbia disaster of 2003 when heat-resistant tiles… | X            |
| Guy De Launey         | 22            | A number of expatriate residents signed a petition asking… | X            |
|                       |               | He was the webmaster of euthanasia-in-cambodia-dot-com | X            |
| Alasdair Sandford      | 23            | The far right leader of the National Front, Jean-Marse Le Pen… | X            |
| Mark Duff             | 24            | …the Olympic torch itself is at the centre of a row over… | X            |
|                       |               | …the president of the region…has urged the mayor of Rome to… | X            |
| Andrew Walker         | 25            | …there is some danger of this deficit coming down… | X            |
|                       | 34            | It has a quarter of a million full-time employees | X            |
|                       | 107           | …financial firms make a substantial share of their own money by… | X            |
|                       | 147           | …seems to be one of a large number of direct, or ‘point to point’… | X            |
|                       | 178           | …in spending in a number of areas, notably… | X            |
|                       | 169           | …kind of guaranteed share of the very profitable… | X            |
|                       |               | …losses from the closure of textile and clothing… | X            |
| Alistair Leithead      | 38            | The total number of dead, around one thousand two hundred… | X            |
|                       |               | …considerably lower than the figure of ten thousand talked about | X            |
| Charles Scallon        | 43            | I'll also reduce the number of its factories from sixty-five to… | X            |
|                       | 44            | …will more than double in the next quarter of a century… | X            |
|                       | 283           | …the number of British air passengers, for example… | X            |
| Tom Gibb               | 49            | …Europe has been a war of words so far… | X            |
|                       | 128           | …future world trade talks in favour of developing countries. | X            |
| David Willey           | 57            | …unusually realistic vision for the future of the Church. | X            |
|                       | 132           | …we crossed the polished-marble floor of the hall, bishops and… | X            |
|                       | 151           | …to protect not just smokers from the danger of lung cancer,… | X            |
|                       |               | …the Olympic torch itself is at the centre of a row over… | X            |
|                       |               | …the president of the region…has urged the mayor of Rome to… | X            |
|                       |               | …there is some danger of this deficit coming down… | X            |
| Red Harrison           | 58            | …also a reflection of the elitist culture of the conservative… | X            |
| Mark Gregory           | 64            | …Reebok will be more of a youth and consumer lifestyle brand… | X            |
|                       | 140           | …the actual number of people looking for work | X            |
|                       | 125           | Ingvar Kamprad, founder of the Swedish furniture chain Ikea,… | X            |
|                       |               | …countries make more of a showing than in past years,… | X            |
|                       |               | …a plan by the Mayor of London, Ken… | X            |
| Martin Plaut           | 65            | …a quiet man who could be more of a unifier across the… | X            |
|                       | 248           | …the opening session, the Commissioner of the new Council… | X            |
| Lawrence Pollard       | 76            | Perhaps aware of this one of the stars of the London concert has… | X            |
|                       | 80            | …disagreements between the minister of finance and the minister… | X            |
| Karen O'Brien          | 87            | …Sullivan, the inspiring teacher of the young Helen Keller… | X            |
|                       |               | …this New York-born daughter of Italian immigrants… | X            |
| Caroline Hawley        | 88            | …struggling…with the number of casualties they're treating… | X            |
| William Horsley        | 90            | …either been kidnapped or had a member of their family abducted | X            |
|                       | 269           | …have long claimed as the pillar of the EU project. | X            |
| Sally Hardcastle       | 93            | …objective is to achieve a number of targets known as the… | X            |
|                       | 287           | …reduced the number of vehicles going… | X            |
|                       |               | …a plan by the Mayor of London, Ken… | X            |
| Name            | Text Ref. No. | Potential linking /r/ contexts                                                                 | Intrusive /r/ |
|-----------------|---------------|-----------------------------------------------------------------------------------------------|---------------|
| Chris Hogg      | 97            | The tower of steamed buns, some eighteen metres high…                                          | X             |
|                 | 192           | … in the centre of the capital, Taipei …                                                       | X             |
|                 | 227           | … describe this as a war of attrition …                                                        | X             |
|                 |               | … must work harder on a number of fronts: women …                                               | X             |
| Caroline Wyatt  | 98            | … to provide a boost for this crucial sector of the economy.                                   | X             |
| Rebecca Jones   | 99            | … America takes more of a back seat this year…                                                  | X             |
| Steve Rosenberg | 100           | Under grey skies, the centre of Moscow today was transformed…                                   | X             |
| Naomi Grimley   | 101           | … Britain’s third party… have also increased their number of MPs…                              | X             |
|                 |               | … they do so with the lowest share of the popular vote in modern…                              | X             |
| Elizabeth Blunt | 102           | … pleasantly surprised to be the centre of so much attention.                                   | X             |
|                 |               | … The manner of his election will have failed to impress…                                       | X             |
| Yousef Anani    | 111           | … there have been no reports so far of anyone handling the virus…                               | X             |
| Anna Borzello   | 112           | … cannot deal with the high number of visa applications…                                        | X             |
| Rebecca Pike    | 113           | … impact this could have on a number of marginal West Midlands…                                 | X             |
|                 |               | it was only a matter of time before the whole thing began…                                     | X             |
|                 |               | … even a government offer of a one hundred million pound…                                       | X             |
|                 |               | … government is acutely aware of the impact this could have…                                   | X             |
| Monica Whillock | 120           | … many candidates felt were rigged in favour of the government.                                 | X             |
| Roland Buerk    | 121           | The police say the number of dead may rise.                                                     | X             |
| Harry Peart     | 124           | … meet President Putin and have a private tour of the Kremlin.                                 | X             |
|                 |               | … threatened the future of the Olympic movement.                                                | X             |
| Jonny Dymond    | 159           | … the founder of the Turkish …                                                                  | X             |
| Hugh Schofield  | 183           | … suspiciously large number of people …                                                         | X             |
| James Helm      | 202           | … Gallaher, the manufacturer of big, well known…                                                  | X             |
| Justin Webb     | 207           | … who was mayor of New York …                                                                   | X             |
| Richard Black   | 209           | … the Co-ordinator of the Global Polio …                                                        | X             |
| Andrew North    | 210           | … representing another of the arrested…                                                         | X             |
| Steve Kingstone | 220           | … Luiz Candida was director of the central…                                                       | X             |
|                 | 307           | … inauguration of Lula was marked by a mixture of hopes and…                                     | X             |
| Jane Little     | 216           | … and Civil Rights accused her of far left …                                                      | X             |
| D. Grammaticas  | 223           | … there’s an atmosphere of gloom about the fate …                                                | X             |
| Bethan Rhys R.  | 228           | … former senior member of the defence …                                                         | X             |
| Andrew Marr     | 234           | … forward the transfer of sovereignty …                                                          | X             |
| Chris Morris    | 240           | … While the number of people staying…                                                            | X             |
| Crispin Thorold | 251           | … to choose the net leader of the party…                                                         | X             |
| Alan Johnson    | 252           | … and Rafah is braced for more of the same…                                                       | X             |
| Carolyn Quinn   | 255           | … first became aware of the claims, particularly …                                               | X             |
| Richard Gilpin  | 257           | … within half an hour of each other outside …                                                     | X             |
| David Bamford   | 262           | … is not just a matter of impressive growth…                                                      | X             |
| John Devitt     | 263           | … coalition in favour of a referendum …                                                          | X             |
| Russell Padmore | 271           | … prompted about a quarter of smokers to…                                                         | X             |
| Helen Briggs    | 275           | … survey by a pair of NASA telescopes…                                                           | X             |
|                 |               | … says there’s no danger of this asteroid hitting…                                               | X             |
| Pascale Harter  | 284           | … a terrifying reminder of Tuesday’s devastation…                                                 | X             |
| Lesley Curwen   | 286           | … have charged a number of lower and mid-level…                                                   | X             |
| Thomas Hickey   | 288           | … sight of the centre of Sydney. Over the…                                                       | X             |