Dates of entry and measures of imagery, concreteness, goodness, and familiarity for 1,046 words sampled from the *Oxford English Dictionary*

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The *Oxford English Dictionary* is the standard reference work for determining the earliest known instance of the occurrence of a word (its date of entry). Partly in order to facilitate research on the relation between the date of entry and other psychological variables, we gathered normative data on 1,046 words sampled from the *Oxford English Dictionary*. We present data for scales that measure the imagery, concreteness, goodness, and familiarity values for words. These norms may also be of use to researchers who are not explicitly concerned with words' date of entry, but who wish to sample words from a set that contains a large number of unfamiliar as well as familiar words.

Presented here is a new database consisting of norms for 1,046 words selected from the *Oxford English Dictionary* (OED). This database differs from existing databases in several ways. It is not restricted to nouns, as are the collections presented by Paivio, Yuille, and Madigan (1968) and Gilhooly and Logie (1980). Furthermore, it does not exclude uncommon, unfamiliar English words, as does the database in Friendly, Franklin, Hoffman, and Rubin (1982). Other unique features are pointed out below. In general, our database is designed to be representative of the words in the OED. Thus, the sample represents the types of words that occur in the English language, without regard to how frequently they occur.

This new database was created as part of an ongoing series of studies of the relationships between historical and psychological aspects of language (Benjafield, 1983, 1984, 1987a, 1987b; Benjafield & Carson, 1985, 1986; Benjafield & Muckenheimer, in press a, in press b). Essentially we have been interested in the psychological correlates of the date at which a word is first recorded as having been used in the English language. The OED is the standard reference work for determining this latter variable, called *date of entry*. It consists of 12 volumes plus four supplements published between 1933 and 1986. This dictionary treats words historically, in each case giving a quotation that contains the earliest known instance of the occurrence of the word. The quotations are accompanied by dates, and it is these dates with which we have been primarily concerned.

Others have also investigated date of entry. Rubin (1980) obtained the dates of entry and several other

measures for 125 words; in this paper our results will be compared to his. Williams (1983) has used dates of entry to explore the development of culturally important concepts. Olson and Astington (1986) have examined dates of entry in relation to problems of language development and literacy.

In our own work, we have been investigating some established psychological features of language—but from a relatively unexplored perspective, which was first suggested by Piaget (1950; see Flavell, 1963, p. 255). It may be called the *historicodevelopmental approach*. This approach, which involves the application to history of categories derived from developmental psychology, blends traditional methods of gathering psychological data with the use of data from archival sources. As indicated above, the major archival variable for our work has been the dates of entry of words found in the OED. Use of this variable helps one understand more clearly the way in which the basic, yet diverse, psychological processes involved in the production of imagery (e.g., see Benjafield, 1984, 1987) and the language of interpersonal behavior (e.g., see Benjafield & Carson, 1985; Benjafield & Muckenheimer, in press a) are at least partly determined by social and historical forces.

In the present study, we were interested in assembling a set of words representative of those found in the OED, and then getting norms for each word on well-known psychological scales that measure the words' values in terms of familiarity (e.g., see Toglia & Batig, 1978), imagery (e.g., see Paivio, Yuille, & Madigan, 1968), concreteness (e.g., see Paivio, Yuille, & Madigan, 1968), and goodness (e.g., see Brown & Ure, 1969; Rubin & Friendly, 1986). Such norms should be useful to researchers interested in sampling very uncommon or unfamiliar words, as well as quite common and familiar ones. They might also be useful to investigators who wish to sample from another database in order to replicate findings obtained from earlier lists. Finally, for the reasons

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noted above, researchers particularly concerned with using a sample that is fairly representative of the range of words in the written language should find the database particularly valuable.

METHOD

Materials

Our goal was to obtain data on at least 1,000 words. We accomplished this by initially selecting one word from every 21st page of the OED, including the supplementary volumes, according to the following selection procedure: Each word was randomly chosen from those on a particular page. A word was excluded, however, if the OED indicated that the word was obsolete or archaic, that it was from a dialect or not naturalized, or that it had no date of entry. Approximately 18% of the words initially selected were thus excluded. When a word was excluded, another word was randomly chosen from the same page. Occasionally, it was necessary to go on to the next page to find a suitable word. This procedure, which was repeated until we reached the end of the dictionary, yielded a total of 1,046 words. Of these 1,046, 54 were randomly chosen and repeated in the database. This was done to enable reliabilities for the scales to be determined. Thus, the total number of items for which ratings were obtained was 1,100.

Subjects

A total of 120 undergraduate student volunteers (60 males and 60 females) participated in the study. The total *N* was divided into four randomly assigned groups of 15 men and 15 women, each of which completed one of the four scales described below. By participating, the subjects fulfilled one of the requirements of the introductory psychology course at Brock University.

Procedure

All the subjects were run individually, seated in front of a microcomputer terminal. Each subject's data was collected in two sessions of approximately 1 h each, approximately 2 days apart.

Presentation of words. Each word was entered as a separate record in Reflex (1985), a database program. The design of the record varied, depending on the scale for which the data were being collected. However, regardless of the particular scale, the subject would initially see each word with a seven-point scale below it, anchored by the words defining the scale (e.g., *low imagery* vs. *high imagery*). The subject entered a rating for the word on the numeric keypad of the microcomputer, and then, by pressing one key, was shown the next record. The subject continued in this way until having rated items for approximately 1 h. No subject completed all 1,100 ratings in the first session. All returned for the second session, to complete their ratings.

The use of Reflex (1985) made it possible to present the items in a different random order for each subject. Each subject's ratings were separately recorded in Reflex (1985).

Instructions. Except for the instructions for the goodness scale, the printed instructions given to the subjects were adapted from Tolia and Battig (1978), but modified to accommodate the different procedure.

Imagery Scale Instructions

"Words differ in their capacity to arouse mental images of things or events. Some words arouse a sensory experience, such as a mental picture or sound, very quickly and easily, whereas other words may do so only with difficulty (i.e., after a long delay) or not at all. In this experiment you will rate a list of words as to the ease or difficulty with which they arouse mental images. Any word that in your estimation arouses a mental image (i.e., a mental picture, or sound, or other sensory experience) very quickly and easily should be given a *high imagery* rating (at the upper end of the numerical scale). Any word that arouses a mental image with difficulty or not at all should be given a *low imagery* rating (at the lower end of the numerical scale). For example, think of the word 'buffalo.' 'Buffalo' would probably arouse an image relatively easily and would be rated as high imagery; 'relevant' would probably do so with difficulty and be rated as low imagery. Because words tend to make you think of other words as associates, it is important that your ratings *not* be based on this and that you judge only the ease with which you get a mental image of an object or event in response to each specific word shown.

"Your ratings will be made on a seven-point scale. Feel free to use the entire range of numbers, from 1 to 7; at the same time, don't be concerned about how often you use a particular number as long as it is your true judgment.

"After typing in a number rating, press the F8 key. Another word will appear on the screen, and the Rating space will clear, allowing you to type in your rating for this new word. The rating scale itself will remain on the screen for you to refer to.

"You will be rating a total of 1,100 words, approximately half of them today and the other half at your next session. Work fairly quickly, but do not be careless in your ratings. Take breaks if you like. If necessary, refer back to these instructions when rating the words on the screen. If you'd like to know how many words you've rated at any time, just let me know."

After reading the instructions, the subject was told the following by the experimenter.

"Here are four examples of what I would like you to do. What rating would you give to AUTOMOBILE? How about WRITER? What about DEMOCRACY? Finally, please tell me your rating of VAPOR. OK? Any questions?"

The last three paragraphs of the written instructions and the verbal instructions were common to all ratings, and will not be repeated below.

Concreteness Scale Instructions

"Words differ in the extent to which they refer to *concrete* objects, persons, places, or things that can be seen, heard, felt, smelled, or tasted, as contrasted with *abstract* concepts that cannot be experienced by our senses. In this experiment you will rate a list of words with respect to their 'concreteness' in terms of sense experience. Any word that refers to objects, materials, or persons would be given a rating at the upper end of the numerical scale. Any word that refers to an abstract concept that cannot be experienced by the senses should be given a rating at the lower end of the numerical scale. For example, think of the word 'carpet,' which can be experienced by our senses and therefore should be rated as highly concrete; the word 'ambiguous' cannot be experienced by the senses as such and therefore should be rated as abstract. Because words tend to make you think of other words as associates, it is important that your ratings *not* be based on this and that you judge only the concreteness of sense experiences as directly aroused by each specific word shown."

Familiarity Scale Instructions

"Words differ in their *familiarity*—that is, how commonly or frequently they have been experienced or how familiar they seem to be. Some words are very familiar, whereas others may be almost totally unfamiliar. In this experiment you will rate a list of words with respect to how familiar or common they are—that is, their *familiarity*. Any word that appears very common or familiar to you should be given a *high familiarity* rating (at the upper end of the numerical scale). Any word that you are unfamiliar with, or that is very new to you, would be given a *low familiarity* rating (at the lower end of the numerical scale). For example, the word 'person' should be very familiar to you and would be rated as highly familiar. A word such as 'amorphous,' on the other hand, is likely to be very unfamiliar to you and therefore should be rated as of low familiarity. Because words also differ in many other ways, such as how many other words they make you think of or how easily they can be mentally imaged, it is important that your ratings not be based on these other characteristics and that you judge only how familiar each specific word shown is to you."

Goodness Scale Instructions

These instructions were based on Brown and Ure's (1969) goodness scale instructions.

"For an experiment on certain properties of words, we would like you to rate words on the dimension of 'goodness.' A seven-point scale will be used. For each word, decide whether it elicits a feeling of goodness or badness, and how intensely good or bad the feeling is. Type in a number from 1 to 7 accordingly, with lower numbers representing the 'bad' end of the scale, and higher numbers the 'good' end. Because words tend to make you think of other words as associates, it is important that your ratings *not* be based on this and that you judge only the

feeling as directly aroused by the specific word on the screen."

RESULTS AND DISCUSSION

Mean values for all words for all four scales, as well as the dates of entry, are given in the Appendix. Words that can be found on the word-frequency lists of either Kučera and Francis (1967) or Carroll, Davies, and Richman (1971) are given a score of 1 under the column labeled *FREQ*; otherwise, they are given a score of 0. This dummy variable was included in order to enable researchers to select words for which frequency data is available. Approximately 48% of our words can be found in at least one of these two word-frequency lists.

This database is also available on disk for MS-DOS microcomputers. Versions on 5.25" or 3.5" disks, in either ASCII or SPSS-PC+ system file formats, are available from the first author at cost.

Descriptive statistics and correlations for all variables are given in Table 1. The skewness and kurtosis values imply that the scale distributions have the following forms. Concreteness and goodness are positively skewed, while familiarity and imagery are negatively skewed, the latter only slightly. All distributions are at least somewhat platykurtic, with familiarity and imagery being the most strikingly so.

Rubin (1980) provides correlational data for date of entry and all the scales for which we also have data, and it is instructive to compare our correlations with his. In Rubin's (1980, Table 1A) data, the correlations between date of entry and all other variables are smaller than ours, although they are all in the same direction. As Rubin (1980, p. 747) noted, it is likely that the correlations derived from his data will underestimate the true values because the range of words sampled in his study (and most others) "may not be representative of the total possible range."

Reliability

Reliability was assessed in two ways. First, the means for the 54 words that were repeated for each variable were

Table 1
Correlations and Descriptive Statistics
for Date-of-Entry (DOE), Concreteness (CONC), Imagery (IMAG),
Goodness (GOOD), and Familiarity (FAM)

Variable	DOE	CONC	IMAG	GOOD	FAM	FREQ
DOE	1.00					
CONC	-.35	1.00				
IMAG	-.57	.64	1.00			
GOOD	-.32	.18	.39	1.00		
FAM	-.59	.42	.91	.45	1.00	
FREQ	-.59	.38	.64	.34	.72	1.00
Mean	1516.21	3.81	4.03	3.90	4.59	.48
SD	340.51	1.16	1.70	.96	2.05	.50
Skewness	-.77	.85	-.01	.41	-.22	.10
Kurtosis	-.36	-.19	-1.31	-.12	-1.48	-1.99

Note—FREQ is a dummy variable coding whether or not a word is present in either Kučera and Francis (1968) or Carroll and Richman (1971).

correlated. These correlations were as follows: .99 for imagery; .98 for concreteness; .98 for goodness; and .99 for familiarity.

The second set of reliability estimates can be derived from the 30 complete lists obtained for each scale. These data can be used to calculate Cronbach's alpha, which is a measure of internal consistency based on the average correlation of subjects' ratings. Cronbach's alpha was .97 for imagery; .94 for concreteness; .94 for goodness; and .98 for familiarity.

Comparison to Other Norms

The following numbers of words were common to both our sample and the following samples: 134 words with the Colorado sample of Toggia and Battig (1978); 33 words with the Toronto sample of Friendly, Franklin, Hoffman, and Rubin (1982); 31 words with the Aberdeen sample of Brown and Ure (1969); and 25 words with the Western Ontario sample of Paivio, Yuille, and Madigan (1968). Although the *Ns* are quite small, a comparison between the Brock University ratings and the others is of interest.

In what follows, matched *t*-tests were used. As Rubin (1980, p. 747) has pointed out, it makes sense to use words as observations rather than subjects because we wish to generalize across words. This requires the assumption that words are independent observations, which is, of course, only approximately true.

The relevant data are given in Table 2. Notice that, in every instance, the Brock University ratings are higher than the corresponding ratings in other samples. These differences are significant ($p < .05$) for all the scales except concreteness. Only the Colorado University sample is significantly lower in concreteness than the Brock sample ($p < .05$). The words common to our sample and other samples tend to be words with which subjects are

quite familiar. It is likely that the ratings for such relatively familiar words tend to be higher in our sample because the subjects were rating a much larger range of words than is usual in studies of this sort. It is worth repeating Rubin's (1980, p. 747) point that the range of words examined in most psychological experiments is quite small compared to the total possible range.

In spite of these mean differences, the correlations between our ratings and those of other researchers are quite respectable. The lowest correlation is .80. This outcome implies that the relative positions of words will be fairly stable for any scale across different rating contexts.

Sex differences

Not only Toggia and Battig (1978) but also Friendly, Franklin, Hoffman, and Rubin (1982, p. 379) have examined sex differences on some scales. The latter investigators concluded that "sex differences may be much more widespread than had been previously suspected." We carried out analyses on each of the scales to see if any sex differences existed in our sample. Again, matched *t*-tests were used.

Mean ratings by men and women for all scales are as follows: men gave significantly higher ratings did than women for concreteness [$M = 3.90$, $SD = 1.20$, vs. $M = 3.73$, $SD = 1.18$; $t(1045) = 10.12$, $p < .001$] and for familiarity [$M = 4.69$, $SD = 1.99$, vs. $M = 4.49$, $SD = 2.16$; $t(1045) = 10.73$, $p < .001$]. However, women gave significantly higher ratings for imagery than did men [$M = 4.10$, $SD = 1.88$, vs. $M = 3.96$, $SD = 1.58$; $t(1045) = 6.80$, $p < .001$]. Men and women did not differ, however, on the goodness scale, where the means are 3.90 ($SD = .94$) for men and 3.90 ($SD = 1.04$) for women. Friendly, Franklin, Hoffman, and Rubin (1982) reported no significant sex differences for imagery and concreteness, which were the only scales they used. It is possible that, once again, the difference in the range of words used in the two studies accounts for the dissimilar results.

For each scale, we also counted the number of items for which the mean ratings of men and women differed by at least .5. We divided these items into those for which women gave the higher ratings, and those for which men gave the higher ratings. The former class is larger than the latter for imagery (302 vs. 182, $p < .001$; binomial test), but the reverse is the case for concreteness (111 vs. 272, $p < .001$) and familiarity (86 vs. 265, $p < .001$). No such differences occurred for goodness (148 vs. 151). These results suggest that exploring the types of items for which men and women give markedly different ratings might be a fruitful endeavor. Items for which the female mean was higher than the male one by .5 or greater are marked with the letter *F* in the Appendix, while those items for which the male mean exceeds the female by at least .5 are marked with *M*.

These differences should not be allowed to obscure the fact that the mean ratings for men and women are very highly correlated. These values are: .88 for goodness; .90 for concreteness; .94 for imagery; and .96 for familiarity.

Table 2
Correlations Between Mean Ratings
for the Brock Word Sample and Mean Ratings for the Colorado,
Toronto, Aberdeen, and Western Ontario Word Samples

	Correlation	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>N</i>
		Colorado		Brock		
Imagery	.87	4.60	1.06	5.82	1.03	134
Concreteness	.95	4.32	1.15	4.76	1.48	134
Familiarity	.82	6.14	.51	6.86	.46	134
		Toronto				
Imagery	.90	4.16	1.52	5.63	.91	33
Concreteness	.86	4.19	1.48	4.25	1.33	33
		Aberdeen				
Concreteness	.80	4.58	1.16	4.83	1.42	31
Goodness	.89	4.62	1.08	5.08	1.04	31
		Western				
Imagery	.88	5.42	1.11	6.23	.76	24
Concreteness	.89	5.44	1.31	5.66	1.26	24
Goodness	.94	4.39	.95	5.05	1.21	24

Note—The goodness data given for the Western sample are from Rubin and Friendly (1986), who used the same words as did the Western Ontario study.

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APPENDIX

Date-of-Entry (DOE) and Norms for Concreteness (CONC), Imagery (IMAG), Goodness (GOOD), and Familiarity (FAM).

FREQ is a dummy variable coding the presence (1) or absence (0) of a word in either the Kučera and Francis (1968) or the Carroll and Richman (1971) word-frequency lists.

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
A	1000	2.11 .	3.20 F	4.63 .	6.40 .	1
a-quarter	1849	4.10 M	4.97 .	4.37 .	3.74 .	0
ablaut	1849	2.33 .	1.40 M	3.27 .	1.37 .	0
absenteeism	1778	2.83 .	3.27 F	2.53 .	3.94 F	0
abthainry	1872	2.40 .	1.43 M	3.47 M	1.34 .	0
account	1260	4.67 M	5.07 .	4.37 .	6.97 .	1
acquirable	1646	2.73 .	3.70 .	5.44 .	6.00 .	1
addressor	1691	4.43 .	3.77 F	4.07 .	4.90 M	0
adopter	1892	4.33 .	5.34 F	4.63 F	5.90 .	0
adrogated	1875	2.43 .	1.94 .	3.23 .	1.93 .	0
aestivation	1625	2.57 M	1.37 M	3.57 .	1.67 M	0
aftercoming	1382	2.27 .	3.33 F	4.10 .	5.04 .	0
agreement	1398	4.00 M	4.77 .	5.64 .	6.93 .	1
air	822	5.47 M	5.97 M	6.20 .	6.84 .	1
airway	1851	5.03 .	5.73 .	5.34 F	6.67 .	0
alcyon	1868	3.33 M	1.57 M	3.13 .	1.50 .	0
allegorizing	1579	2.37 .	2.73 .	3.10 .	3.17 M	0
alpigene	1847	3.20 M	1.47 M	3.40 .	1.44 .	0
alternating	1837	2.97 .	4.73 .	4.80 F	6.94 .	1
ambulating	1786	2.80 M	2.40 M	3.83 .	3.13 M	0
ampulliform	1870	3.33 .	1.50 .	3.23 M	1.37 .	0
anconoid	1819	2.97 M	1.43 M	3.30 .	1.30 .	0
angon	1875	3.17 .	1.50 M	3.04 .	1.74 .	0
anisotropic	1879	2.80 .	1.70 .	3.37 .	1.53 .	0
ant-fly	1653	5.57 .	5.03 .	2.60 .	3.50 .	0
aortic	1833	3.37 .	3.37 .	4.10 F	4.06 M	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
apparentation	1934	2.77 .	2.40 .	4.10 M	2.60 F	0
appeaser	1533	3.97 .	2.84 .	3.67 M	4.33 M	0
arctoid	1869	3.13 .	1.80 M	3.44 .	1.50 M	0
argotic	1863	2.67 .	1.77 .	3.40 .	1.73 .	0
arrogating	1574	2.47 .	2.43 .	2.97 M	3.27 F	1
ascititious	1628	2.37 M	1.60 .	3.03 .	1.84 .	0
ash	700	6.33 .	6.73 .	2.87 M	6.94 .	1
assentiveness	1876	2.27 .	3.00 M	4.33 F	3.37 .	0
astronomically	1649	2.60 .	4.77 .	5.27 .	5.70 M	1
attempting	1556	2.63 F	4.50 F	5.27 .	6.64 .	1
auspiciousness	1649	2.20 .	2.73 .	4.00 .	4.00 M	0
Aussie	1917	5.37 M	4.10 M	4.94 M	5.04 M	0
avow	1220	2.57 .	2.04 M	3.87 F	3.24 M	0
back	885	5.93 .	6.27 F	4.37 .	7.00 .	1
backband	1523	4.17 .	3.83 M	3.73 F	3.70 .	0
balance	1275	4.40 .	5.77 F	5.57 .	6.94 .	1
balk	885	3.90 .	4.50 .	3.37 M	5.10 M	1
banak	1921	3.60 F	1.77 M	3.40 .	1.70 M	0
banish	1375	3.37 .	5.40 .	2.63 .	6.54 .	1
barking	1300	5.47 .	6.50 .	3.57 F	6.90 .	1
bassoonist	1865	5.77 .	4.30 .	4.13 .	3.93 .	1
batement	1445	3.30 .	2.13 .	3.20 .	2.54 F	0
bdellometer	1839	4.63 .	1.83 .	3.07 .	1.27 M	0
bearing	1250	3.97 M	5.17 F	4.97 .	6.93 .	1
bee-eater	1668	5.60 .	5.27 .	2.63 .	3.84 M	0
being	1300	3.03 M	4.33 F	5.17 .	7.00 .	1
bekiss	1587	2.83 .	2.44 .	4.07 .	1.94 .	0
beneath	854	3.37 .	5.67 .	3.57 .	7.00 .	1
besmeared	1592	2.53 F	2.94 F	2.53 M	3.07 .	0
beyond	1000	2.67 M	5.47 .	4.80 .	6.93 .	1
biblioclast	1880	3.20 .	1.83 .	3.80 F	2.23 .	0
bilabial	1862	2.97 .	1.83 .	3.20 M	1.90 M	0
bill	1000	6.00 .	6.40 F	3.30 F	6.97 .	1
bite	1000	5.83 .	6.27 F	2.80 .	7.00 .	1
blackbutt	1801	4.27 .	4.10 .	2.60 .	2.83 .	0
blasphemously	1531	2.30 .	4.23 .	2.37 F	5.17 .	0
bloat	1300	4.30 .	6.14 F	2.13 .	6.37 .	1
blow	1000	4.70 .	6.43 F	3.93 .	6.90 .	1
bluet	1300	3.00 .	2.47 .	3.34 .	2.20 M	0
boardy	1893	2.90 .	3.30 F	3.47 .	3.10 M	0
boglet	1869	3.30 .	2.20 .	3.34 F	1.70 M	0
bonelessness	1885	3.43 .	5.67 .	2.60 .	4.97 F	0
bonxie	1802	2.90 .	1.60 M	3.64 .	1.44 .	0
boss	1300	5.37 M	6.63 F	4.27 .	7.00 .	1
bow	893	6.53 .	6.47 .	4.13 F	6.97 .	1
boxer	1742	6.57 .	6.77 .	3.54 M	6.90 .	1
bramantip	1870	2.80 .	1.37 .	3.50 .	1.23 .	0
break	851	4.50 .	6.34 F	3.03 .	6.97 .	1
bribing	1542	3.50 .	5.50 .	2.10 M	6.47 .	0
brickbat	1563	4.47 M	3.17 .	3.57 .	2.10 M	0
britoness	1591	3.50 .	1.97 .	3.37 M	1.63 M	0
broadside	1575	4.33 .	5.80 .	3.53 M	6.44 M	1
browbeaten	1747	2.90 .	4.01 F	2.47 .	5.53 M	1
budgeter	1603	4.30 F	4.54 F	4.33 M	5.07 .	0
bully	1538	4.97 M	6.40 .	2.00 .	6.77 .	1
bunchiness	1594	3.00 .	4.17 F	3.27 F	4.20 .	0
burst	1000	3.73 .	6.07 .	3.47 F	6.94 .	1
bushman	1785	6.00 M	5.93 F	3.83 M	5.67 M	1
butter-fingers	1837	3.70 F	5.77 F	3.00 F	6.47 F	0
buzzer	1602	6.13 M	6.47 .	3.10 .	6.64 .	1
by-walk	1549	3.67 .	3.63 F	4.37 F	3.37 .	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
cajolement	1816	2.77 .	2.30 .	3.33 .	2.50 .	0
calorocity	1836	2.77 .	2.40 .	3.40 .	1.73 .	0
candescence	1880	3.37 .	2.24 .	4.34 F	3.07 .	0
cankery	1398	3.20 M	3.13 M	2.63 M	3.14 .	0
cant-spar	1611	3.63 M	1.53 M	3.17 .	1.74 .	0
carap	1865	3.33 M	1.63 .	3.07 .	1.34 .	0
caritative	1884	2.73 .	1.90 M	3.73 M	2.27 M	0
caroling	1300	4.47 F	5.93 F	5.83 F	6.27 F	1
carver	1380	5.27 .	5.64 F	4.30 .	5.77 .	1
case-hardened	1691	3.60 M	3.20 M	3.40 M	3.87 M	1
cat	800	6.87 .	6.74 F	5.27 F	7.00 .	1
cattle	1205	6.43 .	6.77 .	4.73 .	6.94 .	1
celation	1567	2.87 .	1.80 .	3.97 .	1.64 .	0
centisecond	1950	3.07 F	3.13 .	3.47 M	3.00 M	0
cerement	1602	3.33 M	2.10 .	3.43 .	1.97 .	0
chalder	1300	3.00 .	1.90 .	3.23 .	2.00 M	0
chap	1225	5.37 F	5.70 F	3.83 M	6.57 .	1
charging	1568	3.40 .	5.93 .	3.23 M	6.83 .	1
chartaceous	1655	2.43 .	2.17 .	3.37 .	2.04 .	0
check	1314	4.30 .	5.93 F	5.00 .	6.90 .	1
cheerfulness	1535	3.63 .	5.80 .	6.67 .	6.93 .	1
chick	1320	6.27 .	6.34 F	5.04 .	6.97 .	1
chipping	1440	4.13 M	6.14 .	3.50 .	6.10 .	1
choking	1440	5.10 F	6.53 F	1.47 .	6.87 .	1
chop	1362	5.40 .	6.53 .	3.47 .	7.00 .	1
chthonography	1881	3.17 .	1.37 M	3.44 .	1.40 .	0
cinnyl	1879	3.00 .	1.47 M	2.83 .	1.53 .	0
circumflex	1565	3.37 F	3.70 F	4.40 F	4.30 .	0
cirrate	1826	3.03 .	1.90 .	2.90 .	1.63 M	0
clamming	1636	3.10 .	4.00 .	3.47 .	4.70 .	1
claret	1396	4.43 .	2.47 F	4.57 F	3.03 .	1
clearing	1380	4.87 M	5.63 F	5.13 .	6.90 .	1
clink	1386	4.73 F	5.70 F	3.93 F	5.40 M	1
clothes-horse	1806	5.00 M	4.97 F	4.20 .	3.93 F	0
clotting	1483	5.00 .	6.07 F	3.50 .	6.50 .	1
coachman	1579	6.17 .	5.53 F	4.60 .	5.70 .	1
cock	897	6.33 M	5.94 F	3.37 .	6.84 .	1
coercive	1600	2.80 M	2.53 M	2.87 M	5.34 M	1
cold	950	5.57 .	6.43 .	2.97 M	7.00 .	1
Coleridgian	1834	3.70 M	1.47 M	3.60 .	1.40 M	0
colloquize	1823	2.50 .	2.34 .	3.77 .	3.13 M	0
come	825	3.00 .	5.07 M	5.13 .	7.00 .	1
commenced	1588	2.90 M	4.50 .	4.93 .	6.60 .	1
commonness	1530	2.50 .	3.70 .	4.00 .	5.63 .	1
companionate	1657	3.20 .	4.40 .	5.84 F	4.64 F	0
comparatist	1933	4.17 .	2.63 .	3.70 .	3.64 .	0
compasser	1494	4.30 .	3.14 F	4.10 .	3.53 F	0
composedness	1611	2.87 M	3.40 F	4.53 .	4.73 .	0
conceitless	1591	2.60 F	3.57 F	4.07 F	4.20 .	0
concretionary	1830	2.80 .	2.17 M	4.03 .	2.44 .	0
confederated	1605	2.87 .	3.26 .	4.17 .	5.80 M	0
congener	1730	3.13 F	2.23 .	3.73 M	2.04 .	0
connivence	1596	2.77 .	2.43 .	3.77 M	2.47 M	0
consigning	1642	2.40 .	3.10 F	4.03 M	4.63 .	0
consortium	1829	3.23 .	2.40 M	3.70 .	3.44 M	1
consuetudinary	1494	2.50 F	1.47 .	2.87 .	1.54 .	0
continence	1340	2.63 M	2.97 F	3.74 .	4.00 M	1
contributable	1611	2.57 .	3.30 .	4.70 .	5.20 F	0
convertibility	1734	2.90 .	3.70 F	5.24 .	5.27 F	1
coot	1300	4.03 M	3.27 .	2.64 .	3.27 M	0
cordelle	1792	3.17 .	1.77 F	3.80 F	1.83 M	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
cordwaining	1758	2.50 .	1.93 .	3.40 .	1.60 M	0
coronium	1890	3.93 .	2.37 M	3.80 .	2.34 .	0
coryniform	1877	3.13 M	1.60 M	3.47 .	1.50 M	0
coughing	1398	5.20 .	6.70 .	2.07 .	6.97 .	1
counterpoint	1423	3.77 .	4.40 M	4.00 .	5.97 M	1
county	1217	5.50 .	6.13 .	5.00 .	6.77 .	1
coupon	1822	6.53 .	6.30 .	4.40 M	6.87 .	1
court	1154	5.90 .	6.57 .	4.20 .	7.00 .	1
cowe	1785	3.33 M	2.20 M	3.26 M	1.94 M	0
cramp	1374	5.90 .	6.17 .	1.90 .	6.80 .	1
credit	1541	4.07 .	5.20 .	5.47 M	6.97 .	1
cretin	1779	4.40 .	2.90 M	3.10 .	3.70 M	1
cringle	1627	3.67 .	3.93 .	4.13 F	3.57 .	0
crossbill	1672	4.23 .	3.04 .	3.37 .	3.60 .	1
crumble	1420	4.67 .	6.30 .	2.57 .	6.87 .	1
cube	1398	6.27 .	6.67 .	4.40 F	7.00 .	1
cudgelling	1606	3.20 .	1.84 .	3.33 .	1.74 M	0
curatory	1560	3.10 .	2.47 .	3.70 M	2.44 M	0
cusk	1624	3.73 .	1.70 M	3.03 .	1.74 .	0
cylindere	1899	3.77 .	5.03 F	4.13 .	4.67 .	0
cymar	1641	3.57 .	1.33 .	3.27 .	1.44 .	0
cymbidium	1815	3.40 .	1.47 M	3.27 .	1.60 .	0
damask	1250	3.43 .	2.30 F	3.80 .	2.30 F	1
darkle	1800	3.07 .	1.80 .	3.43 .	2.03 .	0
dea	1821	2.57 .	1.37 M	3.10 .	1.67 .	0
deaconhood	1382	3.67 .	3.63 .	4.10 .	3.37 M	0
debating	1548	3.33 M	5.34 .	4.00 .	6.74 .	1
declaratorily	1588	2.57 .	2.60 .	3.80 .	3.10 M	0
deep	854	5.07 .	6.50 .	4.17 .	6.97 .	1
deform	1382	3.80 .	5.67 .	1.87 .	6.44 .	1
degrade	1325	3.07 .	4.73 .	1.93 .	6.63 .	1
deligated	1840	2.60 .	4.10 F	4.47 .	5.90 .	0
demogorgon	1590	3.60 .	1.97 M	3.23 .	1.67 M	0
depart	1225	3.93 .	5.80 F	3.53 M	6.97 .	1
derange	1776	3.07 M	4.50 .	1.93 .	5.90 .	0
desire	1230	2.83 F	5.30 .	5.80 .	7.00 .	1
determinacy	1873	2.33 .	3.17 F	4.84 .	4.53 .	0
determinant	1449	3.20 M	3.67 .	4.40 .	6.03 .	1
devastatingly	1905	2.60 .	4.90 M	2.33 M	5.84 .	1
devilry	1375	2.47 .	3.40 .	2.90 .	3.37 .	0
dial	1430	5.87 M	6.34 F	4.90 .	6.97 .	1
dictatory	1533	3.23 M	4.37 .	2.97 .	4.40 .	0
digestive	1386	3.80 M	5.67 .	4.80 F	6.90 .	1
dimorphic	1859	3.10 .	1.67 .	3.50 .	3.67 F	0
dinah	1898	3.33 M	2.60 .	3.67 .	3.57 M	0
directory	1450	6.03 M	6.13 F	4.87 .	6.87 .	1
dischargeable	1781	2.90 M	4.07 .	3.70 .	5.87 .	0
discretionarily	1683	2.21 .	3.50 F	4.20 .	4.43 F	0
dishing	1669	3.30 .	4.77 F	4.00 F	5.74 F	0
disparition	1594	2.53 .	2.34 .	3.03 M	3.40 F	0
dispute	1225	3.70 .	4.67 .	2.67 M	6.77 .	1
distasted	1651	3.07 F	4.00 F	2.74 .	4.20 F	0
disyllabify	1846	2.60 F	1.60 .	2.80 .	2.17 F	0
diterpene	1902	3.00 .	1.40 M	3.23 M	1.30 .	0
dizz	1632	2.17 .	3.10 M	3.26 .	2.97 F	0
dog-head	1607	5.17 .	5.70 M	3.10 .	4.00 .	0
dor	700	2.87 .	2.53 .	3.74 M	1.80 .	0
dot	1000	6.30 .	6.40 F	4.56 F	7.00 .	1
down	971	4.23 .	6.10 .	3.10 .	7.00 .	1
drag	1388	4.37 F	6.27 .	2.60 .	6.97 .	1
draw	897	4.83 F	6.33 F	5.44 .	6.97 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
drengage	1250	2.90 .	1.87 .	2.90 M	1.34 .	0
drill	1300	6.07 .	6.70 .	3.37 .	7.00 .	1
drug	1240	6.17 M	6.53 .	3.10 M	6.94 .	1
dukely	1826	2.43 F	3.94 F	3.97 .	2.93 M	0
durzee	1812	3.30 .	1.60 .	3.40 .	1.33 .	0
Dutchify	1680	3.20 .	2.37 .	4.10 F	2.36 M	0
earnestly	1000	2.37 .	3.87 F	5.00 .	6.57 M	1
echinuliform	1846	3.23 .	1.20 .	3.37 .	1.50 M	0
educatable	1868	2.87 .	4.20 F	5.44 .	5.57 .	0
efficiently	1628	2.57 .	4.07 .	6.07 .	6.70 .	1
eldern	1200	3.60 M	3.10 .	3.97 .	2.24 M	1
Eliau	1854	4.90 M	1.73 M	3.30 .	1.50 .	0
eliminant	1876	3.37 .	3.40 F	3.90 .	3.90 F	0
elocutionize	1849	2.23 .	2.17 M	2.80 .	1.77 .	0
embrocation	1543	2.57 F	1.50 M	3.44 .	1.67 .	0
emydian	1854	3.00 .	1.54 M	3.27 .	1.30 .	0
endangering	1585	2.77 M	4.53 .	2.36 F	6.40 .	1
engirdling	1598	2.97 .	3.00 .	3.37 .	2.67 .	0
enregister	1523	2.90 .	2.40 F	3.87 .	2.93 .	0
enroll	1350	3.10 M	4.93 F	4.83 .	6.77 .	1
entombing	1564	3.37 F	4.03 .	2.63 M	4.10 M	0
epigone	1866	3.40 F	1.83 .	3.76 .	1.97 .	0
equivalency	1535	2.63 .	4.30 F	4.77 .	5.74 .	0
erythromycin	1952	3.87 .	1.43 .	3.43 .	2.07 M	0
escaping	1325	3.80 .	6.57 .	4.53 .	6.97 .	1
estoilee	1730	2.87 .	1.67 M	3.20 .	1.57 .	0
evacuate	1526	3.50 .	5.50 F	2.53 .	6.67 .	1
evicted	1604	3.83 .	5.37 F	1.93 .	6.77 .	1
exarchate	1561	2.87 F	1.47 .	3.40 .	1.37 .	0
excretin	1854	3.80 .	3.53 F	2.80 .	3.80 .	0
exhibition	1432	5.40 .	5.97 .	5.53 .	6.90 .	1
exhilarator	1807	3.73 .	3.60 F	5.44 .	4.87 .	0
experienceless	1875	2.63 .	3.73 F	2.50 .	4.67 .	0
exposure	1605	3.93 .	5.63 .	4.27 .	6.93 .	1
expurgatory	1625	2.60 M	2.10 .	3.23 .	3.03 M	0
extraneous	1638	2.37 .	3.70 .	3.67 .	5.20 .	1
face	1290	6.63 .	6.50 F	5.70 F	7.00 .	1
faceted	1836	3.50 F	3.40 F	4.27 F	4.60 M	0
fair	888	3.93 .	5.63 F	6.03 .	7.00 .	1
fallowing	1450	3.37 F	2.93 M	3.76 .	4.14 .	0
fantasy	1325	2.97 M	5.84 .	6.40 .	6.90 .	1
fascia	1563	2.83 .	2.26 .	3.80 F	2.70 M	0
fasten	725	3.77 .	5.84 F	4.77 .	6.90 .	1
favouritism	1763	2.73 .	4.83 .	3.27 F	6.40 M	0
feed	950	5.33 .	6.13 .	5.33 .	7.00 .	1
femininity	1386	3.40 .	5.67 F	4.77 F	5.97 F	0
fescue	1377	3.23 M	1.77 .	3.40 F	1.77 .	0
fetch	1000	3.83 F	5.90 .	4.23 .	6.93 .	1
field	1000	6.33 .	6.63 .	5.44 .	6.97 .	1
filler	1496	4.40 M	5.47 F	3.30 .	5.90 M	1
fingerful	1889	3.70 F	5.44 F	4.47 M	4.67 M	0
finish	1350	3.50 M	5.90 .	5.77 M	7.00 .	1
finiteness	1601	2.83 .	4.50 M	4.37 F	4.06 M	0
fishery	1677	5.93 .	6.23 .	4.34 .	6.54 M	1
flair	1340	3.10 .	5.10 .	5.47 F	6.50 M	1
flare-up	1837	3.73 M	5.43 .	3.47 F	5.90 .	0
flattery	1320	3.30 F	5.04 F	5.17 M	6.93 .	1
flexional	1833	2.70 F	3.00 .	4.27 F	2.57 M	0
floor	888	6.80 .	6.67 F	4.47 F	6.90 .	1
flourocarbon	1937	4.57 M	3.27 M	3.27 .	3.83 M	1
flush	1300	4.43 .	6.27 .	3.53 .	6.90 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
foil	1300	5.77 .	6.14 .	3.30 .	6.83 .	1
foot	825	6.57 .	6.60 F	4.94 .	7.00 .	1
fordable	1611	2.87 .	2.57 .	4.53 .	3.60 M	0
foretoken	888	2.90 .	2.57 .	3.70 .	3.83 F	0
forming	1406	3.30 .	4.80 .	4.97 .	6.94 .	1
formulaic	1882	3.17 .	2.93 M	4.23 .	2.60 .	1
forwardal	1911	3.23 .	2.93 F	4.23 F	2.47 F	0
foudroyant	1840	2.87 .	1.50 .	3.13 .	1.40 M	0
framework	1644	5.17 .	5.67 .	4.80 .	6.70 .	1
freight	1463	5.60 M	6.20 F	4.33 M	6.83 .	1
freshwater	1528	6.07 M	6.47 .	6.20 .	6.80 .	1
frill	1574	4.70 .	5.63 F	4.53 F	6.73 .	1
frowningly	1556	2.87 F	5.34 F	2.53 M	5.24 M	1
fulling	1377	2.80 .	3.77 .	4.47 F	3.87 F	0
furnished	1473	4.93 .	6.30 .	5.64 .	7.00 .	1
futurology	1946	2.73 F	3.24 .	4.40 .	2.50 .	0
gaff	1300	4.10 M	3.60 M	3.13 M	3.37 M	1
gallize	1888	2.47 .	1.80 M	3.34 .	1.57 .	0
gape	1220	4.17 .	5.13 .	3.27 M	5.37 M	1
gasping	1440	4.60 .	6.13 .	2.20 M	6.87 .	1
gatch	1886	2.90 .	1.90 .	3.40 .	2.00 M	0
gearing	1825	3.40 M	5.17 F	4.47 .	5.87 .	1
geniture	1548	2.70 M	2.33 .	3.94 .	2.13 .	0
George	1506	5.63 M	5.47 F	4.64 .	6.94 .	1
germiduct	1885	3.13 F	2.13 .	2.74 M	1.87 .	0
get	1200	2.67 .	4.37 .	4.57 .	7.00 .	1
gibbsite	1822	3.17 M	1.57 .	3.53 .	1.63 .	0
gird	950	3.30 M	3.50 M	3.37 .	2.84 .	1
gladiatorism	1860	2.70 .	3.53 M	3.34 .	3.00 M	0
glide	1000	3.93 M	6.37 .	5.50 F	6.90 .	1
glum	1460	3.53 M	5.44 .	2.24 .	5.87 M	1
glyceryl	1845	4.70 .	3.43 .	3.74 .	4.77 F	0
go	825	3.27 .	6.10 .	5.67 .	7.00 .	1
gold-colour	1678	5.47 .	6.40 F	5.60 .	5.30 .	0
goon	1921	5.03 M	5.77 .	2.77 .	5.80 M	1
goosified	1837	2.70 .	2.87 F	3.17 .	2.44 .	0
gowff	1796	3.10 M	1.57 .	2.64 .	1.50 .	0
grallatorial	1835	2.53 .	1.30 .	3.03 .	1.60 .	0
grass	725	6.77 .	6.84 .	5.77 .	6.97 .	1
gratters	1903	4.00 .	2.80 .	3.34 .	2.54 .	0
great	888	2.67 M	4.73 .	6.44 .	7.00 .	1
greeting	900	4.30 .	6.07 F	6.07 .	7.00 .	1
griddle	1225	5.23 F	5.40 F	4.17 F	6.40 .	1
grinding	1000	4.43 F	6.03 .	2.93 M	6.60 M	1
grotesque	1561	3.53 .	6.00 .	1.74 .	6.54 .	1
groupment	1887	3.17 M	3.90 .	4.26 F	3.77 .	0
grudger	1467	3.20 .	3.43 F	2.53 .	3.27 .	0
guib	1774	2.87 .	1.77 .	2.87 .	2.13 M	0
gun-cotton	1846	5.27 .	4.04 .	2.87 .	3.70 M	0
gyne	1905	3.23 M	1.40 .	3.07 .	1.77 M	0
gyte	1725	3.93 M	1.30 .	3.13 .	1.34 .	0
hagiology	1807	3.23 .	1.57 M	3.50 .	1.40 M	0
hallo	1781	3.60 .	4.50 .	5.23 .	3.84 .	1
hamartia	1789	3.10 .	1.50 M	3.57 .	2.07 M	0
handily	1611	2.90 .	4.03 .	5.20 .	5.94 M	0
hard	971	4.93 M	6.37 F	4.00 .	7.00 .	1
Harris	1892	4.97 M	4.30 F	4.10 F	4.87 M	1
harsh	1300	3.83 M	5.50 .	2.13 .	7.00 .	1
have	800	2.23 M	3.43 .	4.93 .	7.00 .	1
headful	1589	3.37 .	4.80 F	4.10 .	5.47 .	0
headstock	1731	5.03 M	3.97 .	3.70 M	3.80 F	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
heat	700	5.93 .	6.20 .	5.13 .	7.00 .	1
heckelphone	1905	4.20 .	2.90 .	3.40 .	1.90 .	0
hedgeling	1787	4.03 .	2.87 .	3.70 .	3.07 .	0
help	893	3.00 .	5.94 F	4.87 .	7.00 .	1
herbary	1548	3.57 .	2.60 M	3.97 .	2.17 .	0
Hessian	1677	4.17 M	1.90 M	3.33 .	2.17 M	1
heterochronous	1854	2.83 .	1.73 M	3.47 .	1.77 M	0
hierocracy	1749	2.63 .	3.17 .	3.33 M	3.50 F	0
hinged	1672	4.17 .	5.37 .	4.07 .	6.60 .	1
hippeastrum	1821	3.23 .	1.37 M	3.47 .	1.37 M	0
Hobbesian	1776	4.00 .	1.93 F	3.60 .	2.30 M	0
holding	1225	4.47 .	5.80 F	5.00 F	6.94 .	1
holster	1663	6.07 .	5.63 .	3.67 F	6.44 M	1
homoeomerian	1875	3.57 .	1.53 M	3.30 .	1.40 .	0
hoodooism	1881	2.67 M	2.77 M	2.57 .	2.26 .	0
hooked	1000	4.33 .	6.20 .	3.37 .	6.90 .	1
hop	1000	4.93 .	6.47 F	4.94 F	7.00 .	1
horse-fish	1723	5.73 .	5.17 F	3.77 .	3.77 F	0
hot	825	5.40 M	6.47 .	4.97 .	7.00 .	1
house	950	6.77 .	6.84 .	5.84 .	6.97 .	1
hulk	1000	4.43 M	6.07 .	4.20 M	6.90 .	1
hundi	1619	3.20 M	3.17 .	3.40 .	2.07 .	0
hunting	950	4.43 F	6.50 .	3.34 M	7.00 .	1
hydraulicity	1843	3.27 .	3.03 M	4.37 .	2.97 M	0
hyperchromatic	1894	3.13 F	2.20 M	3.23 .	2.77 M	0
hyphomycetous	1887	2.93 F	1.20 .	3.14 .	1.26 .	0
ice	900	6.63 .	6.74 .	4.60 .	7.00 .	1
icespar	1816	4.03 M	2.77 F	3.73 .	2.50 .	0
igasuric	1830	2.43 .	1.40 M	2.90 .	1.37 .	0
ill-willy	1500	2.33 .	2.67 M	2.97 F	2.50 .	0
imaged	1718	3.07 M	4.07 M	5.34 .	6.00 .	0
impaint	1596	3.10 .	3.13 .	3.77 .	2.50 F	0
impeller	1685	3.87 .	2.90 .	3.47 M	3.30 M	0
implant	1541	4.60 M	5.34 .	4.27 .	6.27 M	1
improbably	1646	2.23 .	2.90 .	3.17 .	5.06 .	1
inagglutinable	1919	2.33 .	1.80 M	3.30 .	1.87 M	0
inappeasable	1840	2.00 .	2.74 F	2.67 .	4.10 .	0
inclinable	1449	2.77 M	3.50 .	3.77 .	3.60 M	0
inconvincible	1646	2.73 .	3.60 .	3.03 M	5.53 .	0
indenture	1300	4.00 M	4.03 F	3.07 M	4.04 .	1
indispose	1657	2.47 .	3.03 .	3.20 .	4.94 .	0
indumentum	1847	2.77 .	1.50 M	3.57 .	1.67 .	0
ineliminable	1875	2.50 .	2.33 .	3.23 .	3.04 .	0
infilled	1849	3.20 M	3.37 .	3.64 .	3.37 .	0
ingenerate	1528	2.83 .	2.34 .	3.43 .	3.50 F	0
ink-berry	1850	5.27 .	4.17 F	4.30 .	2.50 M	0
inorganic	1794	3.93 M	4.40 M	3.90 .	5.74 .	1
inquisitively	1631	2.53 F	3.97 F	5.00 .	5.74 .	1
inspiration	1303	2.33 M	4.67 M	6.20 .	6.83 .	1
integer	1509	4.67 .	4.60 F	3.80 .	4.93 .	1
interchangeability	1805	2.37 .	4.06 .	5.33 .	5.77 .	1
Interglossa	1943	4.17 M	1.70 .	3.47 F	1.50 .	0
intermittent	1603	2.67 F	4.37 M	3.87 .	5.84 M	1
intinction	1559	2.77 M	2.13 .	3.90 .	2.80 .	0
invariance	1878	2.30 .	2.87 .	3.24 .	4.34 .	0
inversion	1551	3.53 M	4.67 .	3.60 .	6.47 M	1
ion	1834	5.03 M	4.67 F	4.40 .	6.07 .	1
irrepleviable	1543	2.53 .	1.93 .	3.17 M	1.84 .	0
isocentre	1931	3.27 F	2.47 .	4.07 .	2.77 M	0
issue	1308	3.23 M	4.97 F	4.57 M	7.00 .	1
jack	1362	6.20 .	5.97 F	4.20 F	6.93 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
jack-boot	1686	4.80 .	3.50 .	3.43 .	3.37 M	0
Jagatai	1843	3.97 M	1.44 .	3.53 .	1.30 .	1
jar-fly	1880	5.17 .	4.53 M	2.97 .	3.24 F	0
jetty	1412	3.77 M	3.87 .	4.23 .	4.04 M	1
Jew	1175	5.73 .	6.13 .	4.03 F	6.84 .	1
joint	1290	5.50 .	6.63 .	4.23 M	7.00 .	1
Joule-Kelvin	1909	4.20 .	2.50 .	3.40 .	1.94 .	0
judgement	1225	2.87 M	4.80 M	4.64 .	6.94 .	1
just	1250	2.67 .	3.67 M	5.37 .	6.94 .	1
kallikrein	1930	2.93 M	1.34 M	3.37 .	1.37 .	0
keen	897	2.40 .	4.63 .	5.70 .	6.57 M	1
Kenite	1000	4.00 M	1.47 M	3.50 .	1.26 .	0
kevel	1251	3.50 .	1.73 .	3.47 .	1.57 M	0
kiley	1945	3.20 .	1.57 .	3.27 .	1.80 M	0
kindred	1175	3.50 M	4.10 .	4.84 F	5.17 .	1
klep	1889	3.47 F	2.30 M	3.23 .	2.07 M	0
klooch	1837	2.83 .	1.77 M	2.97 .	1.50 .	0
knacker	1380	3.77 F	2.54 .	4.03 .	3.17 .	0
knottiness	1607	3.50 .	4.77 F	3.24 .	4.23 .	0
komfoor	1841	3.03 .	1.50 M	3.47 .	1.34 M	0
labially	1798	2.53 .	1.87 .	3.63 M	2.37 M	0
labourer	1325	6.00 .	6.53 .	4.07 F	6.80 .	1
lagging	1593	3.40 M	5.03 .	2.77 .	6.20 .	0
land-line	1865	4.43 F	4.00 F	4.07 .	3.57 F	0
landaulet	1794	3.47 .	1.63 M	3.84 .	1.57 .	0
lapsing	1663	3.40 .	3.87 .	2.97 .	5.23 M	1
latency	1638	2.77 .	2.80 M	3.54 .	6.17 .	1
laughing	1300	4.97 .	6.80 .	6.70 .	6.97 .	1
lavic	1835	2.80 .	1.90 .	3.10 .	1.77 M	0
layer	1382	4.90 .	6.07 .	4.50 F	6.97 .	1
leap	897	4.60 F	6.43 .	4.83 .	7.00 .	1
lechatelierite	1916	3.40 M	1.17 .	3.20 .	1.23 .	0
leech	900	6.50 .	6.20 .	1.87 .	6.33 .	1
lending	1340	3.57 .	5.60 .	4.23 .	6.84 .	1
lethargy	1374	2.90 .	3.67 M	2.70 .	5.06 M	1
Leucadian	1615	3.97 M	1.53 M	3.10 .	1.40 .	0
liberalistic	1836	2.50 .	3.74 F	4.40 M	5.24 .	0
lieutenant-general	1489	5.97 .	6.00 .	4.23 .	6.00 .	0
light	825	6.37 F	6.50 .	6.03 F	7.00 .	1
light-skirts	1597	5.10 .	5.33 .	4.53 .	4.00 M	0
limiter	1377	3.87 F	3.44 F	2.87 .	4.90 F	0
linger	1300	3.20 .	5.54 F	3.63 F	6.74 .	1
link	931	4.93 M	5.87 .	4.87 .	6.90 .	1
lintel	1388	3.63 .	2.20 .	4.23 .	2.50 M	1
lithe	888	3.77 .	3.07 M	3.54 .	3.87 M	1
livid	1622	3.53 .	3.54 F	3.44 .	4.94 M	1
lobbyist	1863	5.23 M	5.23 .	3.47 .	5.77 M	0
lock	700	6.13 .	6.33 F	3.67 .	6.97 .	1
loiterer	1530	5.70 F	6.20 F	2.57 .	5.70 .	0
lonnin	1808	3.03 .	1.27 .	3.00 .	1.40 .	0
look	897	4.10 .	5.60 .	5.50 .	7.00 .	1
loricate	1623	2.67 .	1.47 .	3.57 .	1.60 .	0
lover	1225	5.67 F	6.67 .	6.50 .	7.00 .	1
ludicrously	1678	2.57 .	3.73 .	2.90 .	5.14 F	1
Luiseno	1858	4.53 .	1.37 M	3.13 .	1.27 .	0
Lusian	1776	4.33 M	1.77 .	3.30 .	1.50 .	0
mace	1297	5.93 .	5.44 .	2.67 F	5.50 M	1
machinability	1921	3.13 .	3.87 F	4.00 M	4.23 .	1
magical	1555	3.03 M	6.07 F	5.77 .	6.84 .	1
maimai	1863	3.63 M	2.37 .	3.50 .	1.53 .	0
maiming	1400	3.63 F	4.80 F	1.94 .	4.97 M	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
make	888	2.43 .	4.57 F	5.03 .	7.00 .	1
malleableness	1644	3.53 M	3.00 .	3.83 .	3.90 M	0
man-child	1400	5.00 .	4.97 F	4.47 .	4.97 M	0
manifest	1374	3.00 .	3.83 M	4.40 .	6.20 M	1
manner	1175	2.97 .	4.83 F	5.17 .	6.97 .	1
marasmolite	1851	3.33 .	1.57 M	3.53 .	1.44 .	0
markedness	1846	2.77 .	3.33 .	3.60 .	4.84 M	0
marl	1372	3.47 F	1.80 .	3.00 M	1.94 .	1
Martinist	1589	4.23 .	2.17 .	3.37 .	1.80 M	0
master	888	4.83 M	5.73 .	3.93 F	7.00 .	1
masting	1627	2.73 .	3.20 F	3.97 M	4.03 .	0
math	963	4.60 .	6.47 .	3.73 F	7.00 .	1
matin	1250	2.90 M	2.90 F	3.57 M	2.50 .	0
may	700	2.17 .	4.37 .	4.70 F	6.97 .	1
measurability	1697	2.87 .	4.40 F	4.90 .	5.97 .	0
Mediterranean	1594	5.37 .	6.33 F	5.57 .	6.90 .	1
megaphone	1878	6.00 M	5.40 F	4.20 .	6.07 M	1
mellifluent	1601	2.73 .	1.67 .	4.00 .	1.67 .	0
menstruate	1382	5.17 F	6.13 F	3.07 .	6.77 .	0
meroblast	1870	3.07 .	2.10 M	3.47 .	1.53 M	0
mesocratic	1857	3.13 .	1.40 .	3.10 .	1.90 M	0
metallographic	1838	3.23 .	2.17 .	3.83 .	1.97 F	0
mew	725	3.67 .	5.00 .	4.77 .	5.63 F	1
Meyerbeerian	1890	4.17 M	1.37 .	3.27 .	1.20 .	0
mid-line	1868	4.50 .	5.00 F	3.90 .	5.17 .	0
midgy	1806	2.80 M	2.30 .	3.40 .	2.00 .	0
mill	931	6.53 .	6.30 F	4.37 M	6.90 .	1
mineral	1390	6.17 .	6.43 .	4.90 .	6.97 .	1
minimally	1935	2.30 .	3.90 F	3.10 F	5.97 .	1
mird	1614	3.37 M	1.63 M	3.20 M	1.67 M	0
misdrive	1330	2.73 .	4.17 F	2.80 .	3.67 F	0
missed	1599	3.40 M	5.44 .	2.70 .	6.94 .	1
mitriform	1830	3.07 .	1.67 M	3.47 .	1.47 .	0
mnemotechnist	1891	4.17 .	1.83 M	3.17 .	1.60 M	0
moderating	1673	2.50 .	3.74 .	5.10 M	6.40 .	1
mollifying	1532	2.80 .	2.47 .	3.47 .	3.04 .	0
monchiquite	1891	3.10 .	1.43 .	3.33 .	1.37 .	0
monkish	1546	2.87 .	4.37 F	4.10 .	4.67 M	1
Montenegrin	1840	4.43 M	1.59 .	3.47 .	1.40 M	1
monumentalism	1902	2.50 .	3.37 .	4.57 .	4.14 .	0
moralize	1450	2.20 M	3.50 F	4.63 M	5.44 .	0
mortar	1000	6.17 M	5.07 .	3.33 M	5.70 M	1
mothed	1835	3.43 .	3.20 F	2.93 .	3.03 .	0
motion	1374	4.37 .	5.60 M	5.40 F	7.00 .	1
motto	1589	4.00 M	5.10 .	4.76 .	6.60 .	1
mouse	700	6.80 .	6.77 .	4.07 .	7.00 .	1
muckraking	1879	3.50 .	3.28 .	2.87 .	3.64 M	0
mucus	1661	6.17 .	6.30 .	1.97 .	6.47 .	1
multurer	1580	3.80 .	1.90 .	3.44 .	1.80 .	0
mummy	1400	6.40 .	6.60 .	4.97 .	6.30 M	1
muser	1382	3.57 M	2.97 .	3.47 .	3.26 M	0
mutterer	1552	4.22 F	5.06 .	2.64 .	5.10 M	0
myoid	1857	3.23 .	1.40 M	3.24 M	1.43 M	0
nacket	1500	3.33 M	2.13 .	3.40 .	2.10 M	0
narratress	1798	4.07 .	3.67 F	4.27 .	3.60 F	0
nartjie	1790	2.87 .	1.20 .	3.13 .	1.37 M	0
nauseation	1628	3.77 .	4.63 F	1.83 M	5.04 F	0
necrolatry	1826	3.13 M	1.60 M	3.07 M	1.47 M	0
necropolitan	1892	3.60 M	1.77 M	3.07 .	1.70 .	0
nemertean	1861	3.07 .	1.47 M	3.17 M	1.54 M	0
Netherlandic	1902	4.20 F	4.13 F	4.24 .	3.27 M	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
neurosal	1884	2.60 F	2.27 M	3.57 M	2.37 M	0
niacinamide	1951	4.33 M	1.97 M	3.00 F	3.80 M	0
nick	1225	5.30 .	5.43 .	3.37 .	6.37 .	1
nihilistic	1857	2.60 M	2.03 M	3.13 .	3.30 M	1
Nkrumahism	1960	3.93 M	1.37 M	2.93 .	1.17 .	0
noblewoman	1575	5.53 M	5.37 .	5.03 .	5.10 F	1
non-condensing	1841	3.27 .	3.94 .	4.07 .	4.76 .	0
non-object	1914	2.50 .	3.03 .	3.70 .	4.52 .	0
north-polar	1748	3.97 .	5.50 F	4.50 .	4.43 F	0
nothomorph	1939	3.47 M	1.50 M	2.90 .	1.40 .	0
notoriously	1512	2.60 .	3.54 .	3.60 .	6.20 .	1
nulliverse	1847	2.47 .	2.47 .	2.80 .	1.54 .	0
nutritionalist	1956	5.23 .	5.08 F	5.43 .	5.60 F	0
nymphal	1622	2.97 M	3.04 .	3.87 M	3.14 .	0
obligatory	1880	2.47 .	2.97 .	3.73 M	4.00 F	0
obviate	1598	2.73 F	2.27 .	3.43 .	3.04 M	1
ocean	1290	6.63 .	6.84 .	6.20 .	6.97 .	1
octupole	1929	3.63 F	2.20 M	4.07 .	1.77 .	0
odmyl	1866	3.10 .	1.27 .	3.20 .	1.23 .	0
officially	1790	2.53 .	4.23 M	4.50 M	6.83 .	1
oiling	1440	3.80 .	6.03 .	4.43 .	6.54 .	1
oligoclase	1832	2.73 M	1.37 M	3.33 M	1.40 .	0
on	876	2.70 .	5.63 .	5.10 .	7.00 .	1
one-sided	1813	3.83 .	5.23 .	2.64 .	6.37 .	1
open	825	4.20 .	6.44 .	5.57 .	6.97 .	1
operetta	1770	5.13 F	4.97 F	4.93 .	4.70 .	1
ora	920	3.20 .	3.47 .	4.63 M	3.40 F	0
orchiectomy	1894	3.10 .	1.44 M	3.04 M	1.47 .	0
ordinate	1374	2.93 .	3.20 .	3.70 F	4.90 .	1
oronoco	1706	3.23 .	1.30 .	3.47 .	1.90 M	0
Ortygian	1640	4.23 M	1.53 M	3.33 .	1.14 .	0
other	735	2.77 .	3.50 .	4.37 F	6.97 .	1
outed	1500	2.63 .	3.43 M	3.17 F	4.00 .	0
outland	950	4.47 .	4.76 .	4.30 F	5.43 .	0
outsider	1800	5.07 F	5.67 F	3.00 M	6.80 .	1
over-officious	1610	2.33 .	2.80 .	2.60 .	2.67 M	0
overburn	1616	3.90 M	5.37 .	2.77 M	4.87 .	0
overfulfil	1398	2.80 M	4.23 .	4.83 .	4.84 .	0
overween	1220	2.97 .	2.67 .	2.87 .	2.94 F	0
Oxford	1590	5.67 M	5.77 .	5.04 M	6.40 .	1
ozonizer	1875	4.03 M	2.74 .	3.40 F	2.30 M	0
packsaddle	1388	5.57 M	4.77 .	4.33 F	3.74 F	0
paddle	1407	6.57 .	6.84 .	4.77 F	6.87 .	1
pailful	1591	4.27 M	5.30 F	3.80 F	5.20 .	1
pallet	1330	6.00 .	5.50 F	4.40 .	5.90 M	1
palmy	1602	3.73 .	4.27 F	3.60 .	4.50 M	0
paned	1555	3.60 .	3.94 .	3.70 .	3.93 M	0
papered	1599	4.37 .	4.77 F	4.14 .	5.47 .	1
papillary	1667	3.60 .	2.23 F	3.93 .	3.00 M	1
paraphragm	1877	3.90 M	2.63 M	3.74 .	2.03 M	0
parch	1398	4.50 M	4.23 .	2.57 .	5.43 M	1
parkish	1813	2.93 .	2.84 .	3.83 M	2.87 M	1
partiality	1422	2.63 .	3.27 F	3.83 M	5.50 .	1
partyism	1842	2.77 .	3.93 M	3.84 .	3.34 M	0
pass	1225	3.67 M	6.20 .	5.10 .	6.94 .	1
pat-a-cake	1874	4.40 F	5.67 .	4.97 F	5.73 F	0
patrial	1629	2.87 .	3.20 F	3.90 .	3.70 .	0
patterned	1797	3.53 .	5.30 F	4.70 F	6.50 .	1
peahen	1377	3.40 M	1.77 M	3.47 F	1.97 .	0
pebble	1290	6.37 .	6.50 F	4.67 F	6.80 .	1
pedestrianism	1809	3.27 M	5.03 F	4.67 .	5.17 .	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
pemmican	1801	4.30 M	3.17 F	3.67 .	2.80 M	1
pendule	1578	4.27 F	2.63 .	3.77 .	3.04 .	0
pennyweight	1000	4.73 .	4.80 F	4.10 F	4.13 .	0
perceived	1400	2.43 .	3.90 F	4.67 .	6.87 .	1
perduring	1501	2.73 F	2.07 F	3.63 M	3.00 M	0
peri	1777	2.57 .	2.47 .	3.80 .	2.24 .	1
pernickety	1808	2.03 .	2.83 F	2.97 .	2.57 M	0
personalist	1876	2.90 .	3.40 F	4.33 .	4.67 .	0
persuasiveness	1611	2.43 .	4.17 F	4.74 M	6.24 .	0
pettifog	1611	3.93 M	2.43 M	3.67 F	2.20 M	0
phase	1812	2.77 .	4.56 .	4.03 .	6.94 .	1
philistia	1535	2.60 M	1.53 .	3.27 .	1.57 M	0
phosphorolysis	1937	3.57 .	1.97 M	3.50 .	2.07 F	0
photoscopic	1872	3.67 .	3.67 F	4.87 .	3.64 .	0
phylogenically	1975	2.47 .	1.77 .	3.20 .	2.80 M	0
pick	1300	4.63 M	6.27 .	4.47 F	7.00 .	1
pie	1250	6.40 F	6.77 .	5.20 .	6.97 .	1
pied	1382	3.47 .	3.23 .	3.23 .	3.74 F	1
piling	1358	4.20 .	5.47 F	3.70 .	6.07 M	1
pillowy	1798	3.87 .	5.33 .	5.27 F	5.03 .	0
pin	1100	6.70 .	6.54 F	3.67 .	7.00 .	1
ping	897	4.33 .	4.77 .	4.33 F	5.24 .	1
Pirandellian	1927	4.13 .	1.67 .	3.40 .	1.50 M	0
piratical	1565	2.43 .	2.80 M	3.43 M	2.54 .	0
pivot	1611	4.57 .	5.40 .	4.73 .	6.70 .	1
plancher	1400	3.80 F	2.37 .	3.23 .	2.10 .	0
plane	1320	6.47 .	6.50 .	5.73 .	7.00 .	1
plate-layer	1836	4.63 .	4.03 .	3.93 .	3.40 .	0
platoon	1637	5.50 M	6.00 .	3.63 M	6.93 .	1
pleasure-ground	1768	3.37 .	4.40 .	6.10 .	4.27 .	0
plough-gate	1565	5.20 .	3.67 F	3.47 F	3.07 .	0
plugged	1872	4.50 .	5.70 F	3.50 .	6.47 F	1
plutonic	1796	2.83 .	4.00 .	4.20 M	5.10 .	1
Poillite	1903	3.73 F	2.13 .	3.93 .	1.97 .	0
point	1225	5.30 M	6.30 F	4.57 .	6.77 .	1
policed	1591	4.00 .	5.10 .	3.97 M	6.37 .	1
politic	1420	2.73 .	4.60 F	3.43 M	6.10 F	1
polymeric	1833	2.67 .	2.03 .	3.50 .	2.34 M	1
polysonic	1932	3.20 .	1.90 .	3.73 .	1.97 M	0
pool	897	6.67 .	6.80 .	5.93 F	6.97 .	1
pop-shop	1772	6.10 .	5.94 .	4.83 F	5.83 M	0
porphyrite	1577	3.90 M	1.47 M	3.53 M	1.47 .	0
posological	1803	2.53 .	1.43 M	3.13 .	1.83 M	0
postalize	1893	2.90 .	3.17 F	3.80 .	3.23 .	0
postorbital	1835	2.90 F	2.43 M	3.44 .	2.80 M	0
pottiness	1933	2.87 .	3.40 F	2.97 .	3.14 .	0
potwaller	1701	4.20 .	2.30 F	3.43 .	2.20 .	1
practical	1570	2.70 M	3.83 .	5.53 M	6.94 .	1
praying	1303	4.13 F	6.54 .	5.33 .	6.97 .	1
preachify	1775	2.63 .	2.90 .	3.57 F	3.10 .	0
predetermine	1625	2.37 M	3.23 F	4.57 .	6.10 .	0
preliterate	1925	2.50 .	2.73 F	3.87 M	4.10 M	1
premeridian	1858	3.23 F	2.50 M	3.53 .	2.74 .	0
presensation	1653	4.17 F	4.47 F	4.43 F	4.50 M	0
pressurized	1938	3.87 .	5.17 .	3.40 .	6.07 .	1
prestigious	1546	2.57 .	5.17 F	5.23 M	6.70 .	1
price	1225	4.37 .	5.93 F	4.10 .	7.00 .	1
primeval	1653	3.00 .	3.47 .	3.57 .	5.07 .	1
printed	1483	4.50 .	6.13 .	4.83 .	6.94 .	1
prismatoidal	1821	2.90 .	1.83 .	3.37 .	1.70 .	0
procedure	1611	3.43 .	4.73 .	4.56 F	6.93 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
professing	1502	2.77 .	4.63 F	4.90 .	6.07 .	1
profession	1225	3.70 .	5.27 F	5.64 .	6.97 .	1
prolificness	1698	2.63 .	2.60 .	3.83 M	3.03 M	0
propagand	1795	3.27 .	3.07 F	2.87 .	3.94 .	0
propaganda	1718	4.13 M	5.40 M	2.40 .	6.50 M	1
propensity	1570	2.70 .	2.07 M	4.20 .	4.20 M	1
prosylte	1375	3.47 M	1.47 M	3.27 M	1.44 .	0
protolinguistic	1964	2.80 F	1.70 .	3.60 .	2.50 .	0
protopathic	1858	2.70 .	1.90 .	3.90 .	2.04 .	0
proxy	1440	4.33 M	3.87 .	3.53 .	5.27 M	1
psychedelice	1966	2.73 F	2.93 M	3.53 M	2.57 M	0
psychotic	1890	3.37 M	5.03 .	1.87 .	6.63 .	1
pugilistic	1789	2.83 M	2.10 M	2.80 M	2.50 M	1
pugnacious	1642	2.53 .	2.07 M	2.70 M	3.70 M	1
punch	1382	5.87 .	6.63 .	2.40 .	7.00 .	1
pureness	1398	2.33 .	4.93 F	6.00 .	6.53 .	0
Purex	1956	4.03 .	2.77 .	4.06 .	2.70 .	0
purvey	1290	2.80 .	1.93 .	3.70 .	2.80 M	0
putter	1382	5.67 .	6.14 F	4.50 .	6.30 M	1
Pyribenzamine	1946	4.33 .	2.00 .	3.27 .	1.50 .	0
quad	1820	3.70 M	4.90 M	4.13 .	5.50 .	0
quarrier	1375	3.27 .	2.53 .	3.70 .	3.10 M	0
quarterly	1450	3.00 .	5.27 .	4.07 .	6.63 .	1
quier	1672	3.53 .	2.54 M	3.43 .	2.44 .	0
quinguagint	1843	2.57 M	1.47 .	2.87 .	1.47 .	0
quinesect	1697	2.80 .	1.40 .	3.50 .	1.44 .	0
race	1300	4.90 M	6.57 F	5.07 .	7.00 .	1
raddle	1523	3.87 .	4.13 .	3.70 .	3.80 F	0
rageful	1580	3.50 .	5.77 .	2.07 .	5.17 .	0
raggy	1100	3.93 .	5.60 .	2.83 .	4.83 .	0
rame	1470	3.10 .	1.70 .	3.20 .	2.07 F	0
randomization	1926	2.73 F	3.80 .	3.93 F	5.40 M	1
rape	1086	5.57 .	6.37 .	1.10 .	7.00 .	1
rationalizing	1865	2.43 .	4.10 .	4.64 .	6.50 .	0
ratter	1834	3.57 M	3.27 F	3.00 .	3.37 .	0
reach-me-down	1862	2.77 .	3.77 F	3.57 .	3.07 F	0
ready-to-wear	1895	3.50 M	5.50 F	5.00 F	6.13 .	0
reason	1225	2.67 M	4.20 F	5.20 .	7.00 .	1
recapitulation	1388	2.87 F	2.83 .	3.64 F	4.70 M	1
receiver	1330	5.20 M	6.20 .	4.87 .	6.94 .	1
recoinage	1622	2.67 M	2.97 F	3.60 .	3.27 .	0
recombinational	1959	2.33 .	2.57 .	4.20 .	3.00 F	0
recrudescence	1721	2.73 .	1.90 M	2.97 M	2.20 .	0
reddle	1727	3.13 .	1.87 M	3.73 .	1.90 M	0
Redemptorist	1835	4.57 .	2.17 M	3.50 .	1.90 M	0
redundancy	1601	2.37 .	3.94 .	2.50 .	6.00 .	1
refind	1621	2.87 .	3.97 .	4.90 F	4.67 F	0
reflux	1430	3.47 M	3.13 .	3.53 M	3.03 M	0
refusal	1605	2.70 F	3.24 F	3.10 M	3.97 F	0
regurgitant	1866	4.40 .	3.93 .	2.40 .	4.14 F	0
relativization	1921	2.70 .	2.73 .	4.17 .	3.67 F	0
releasee	1744	5.03 M	4.27 .	4.30 .	4.50 .	0
remeet	1644	3.00 .	3.17 F	4.73 .	3.47 F	0
rendezvousing	1679	3.17 .	4.23 F	5.06 .	4.64 F	1
repentable	1571	2.37 .	3.24 .	4.37 M	4.74 F	0
replete	1382	2.67 .	2.63 .	3.70 .	4.44 M	1
repristination	1838	2.73 .	1.80 .	3.67 M	2.07 .	0
resect	1545	2.77 .	2.20 .	3.73 .	3.14 .	0
resolve	1374	2.67 M	4.13 .	5.60 .	6.80 .	1
resonance	1491	3.47 .	2.90 M	4.47 .	5.10 M	1
rester	1435	3.50 F	3.47 F	4.20 .	4.34 F	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
retiform	1691	2.83 .	1.60 M	3.64 .	1.94 .	0
return-ticket	1847	5.90 .	6.13 .	5.27 .	6.67 F	0
returnable	1425	2.97 .	5.00 F	5.20 .	6.70 .	1
revive	1430	3.43 M	5.44 F	6.23 .	6.80 .	1
rhomboidal	1658	3.07 M	2.33 M	3.63 M	2.07 M	0
rhyolite	1866	3.57 M	1.40 .	3.33 .	1.50 M	1
ride	888	4.53 .	6.27 F	5.40 .	7.00 .	1
right	825	3.30 M	5.43 .	5.84 .	7.00 .	1
rigidize	1948	2.90 .	3.27 .	3.00 M	3.70 .	0
ringlet	1555	5.57 .	4.84 F	4.64 F	5.77 .	0
rivalship	1632	3.10 .	4.53 F	3.40 M	4.57 .	0
river	1297	6.47 .	6.77 .	5.83 .	7.00 .	1
roche	1250	3.70 M	3.17 .	3.00 M	2.47 .	0
rodded	1562	3.33 .	3.47 F	3.00 .	3.03 .	0
rollable	1729	3.40 .	5.20 .	4.63 F	4.70 .	0
rooibok	1824	3.17 .	1.37 M	3.53 .	1.40 M	0
roominess	1840	3.53 .	5.47 .	5.54 F	5.83 .	0
rosily	1809	2.63 .	4.23 F	5.50 .	4.23 F	1
Rouen	1728	4.17 M	1.97 M	3.13 .	1.57 .	1
round	1000	5.07 .	6.47 .	4.80 F	7.00 .	1
rovingly	1601	2.67 .	3.54 .	3.87 .	3.34 M	0
rubbish	1392	5.73 .	5.83 F	2.30 .	6.80 .	1
ruddle	1538	2.67 F	2.57 .	3.33 .	2.90 .	0
ruling	1225	3.47 .	4.90 .	4.00 .	6.90 .	1
run	725	4.63 F	6.47 .	5.50 .	7.00 .	1
Runge-Kutta	1930	4.27 M	1.60 .	3.20 .	1.20 .	0
rushy	1382	3.03 .	4.53 .	3.26 .	4.77 M	0
rust	725	6.23 .	6.54 F	2.27 F	6.97 .	1
Saadian	1899	4.20 M	1.63 M	2.90 .	1.33 .	0
sack-friar	1400	4.17 .	2.70 M	3.13 .	2.07 M	0
sagamore	1613	3.40 M	1.87 .	3.54 F	1.80 .	0
Sahli	1906	4.63 M	1.97 M	3.30 M	1.20 .	0
sallowness	1722	3.57 .	3.44 F	2.77 .	3.60 F	0
same	1200	2.90 M	4.17 F	4.30 .	7.00 .	1
samfu	1955	2.47 .	1.50 M	3.54 .	1.47 .	0
Sanhedrim	1588	4.37 .	1.57 .	3.00 .	1.77 M	0
sargassum	1905	3.57 M	1.87 M	2.76 .	2.07 M	0
satellite	1548	6.40 .	6.37 F	5.14 .	6.80 .	1
save	1225	3.20 .	5.33 .	5.74 .	7.00 .	1
scaffold	1349	6.20 .	5.90 .	4.07 M	6.44 M	1
scale	1205	5.40 M	6.37 F	4.37 .	7.00 .	1
scape	1275	3.67 M	3.70 .	3.43 .	5.44 .	1
sceptic	1575	3.77 M	4.87 F	2.97 .	6.23 M	0
schmooze	1897	3.10 .	2.33 .	3.77 F	2.30 M	0
scientific	1589	2.53 M	4.97 .	4.80 .	6.83 .	1
scorify	1754	2.73 F	2.87 F	3.13 .	2.00 .	0
Scot	900	5.13 M	5.00 F	4.37 F	5.50 M	1
scrape	1000	4.17 .	6.30 .	2.40 .	6.83 .	1
scripturally	1679	2.93 .	3.90 F	4.43 M	5.40 F	0
scrounge	1909	3.27 F	5.03 F	2.40 .	6.20 .	0
scutellation	1872	2.37 .	1.50 .	2.90 .	1.64 .	0
sealskin	1325	6.30 M	6.40 .	3.20 .	6.57 .	1
secernent	1796	3.10 .	1.67 M	3.37 .	1.80 .	0
second-guess	1941	2.83 M	4.73 .	3.60 F	6.27 .	0
securely	1588	2.57 .	4.90 F	5.93 .	6.67 .	1
seel	1500	3.27 M	3.74 F	4.03 M	3.37 F	0
self	888	4.53 M	6.24 F	5.70 .	7.00 .	1
self-actualization	1939	2.67 F	3.33 F	5.90 .	6.20 M	0
semblable	1374	2.67 .	2.17 .	3.40 .	2.17 .	0
seneschaltry	1577	2.63 .	1.57 .	3.40 M	1.50 .	0
sense	1400	3.53 .	4.77 F	5.47 .	6.97 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
separately	1552	2.73 .	4.83 F	3.76 .	6.77 .	1
sergeant	1200	5.00 .	5.70 F	4.00 .	6.13 .	1
serosa	1890	3.43 .	1.74 M	3.37 M	1.57 .	0
service	1100	3.70 M	5.33 F	4.60 M	6.90 .	1
set	725	4.17 .	5.40 F	4.20 F	7.00 .	1
Seto	1881	3.50 .	1.70 M	2.93 .	1.57 .	0
settle	897	3.30 M	5.43 .	5.40 .	6.90 .	1
sexennial	1646	2.90 .	2.40 M	4.20 .	2.37 M	0
Shah	1564	4.80 M	3.37 M	2.60 .	3.97 M	1
shamelessly	897	2.77 M	4.50 F	3.83 .	6.54 .	1
shape-up	1940	3.37 .	5.60 F	4.90 M	6.64 .	1
shave	725	4.90 .	6.60 .	4.37 .	7.00 .	1
sheep	825	6.67 .	6.70 .	4.90 F	7.00 .	1
Shereefian	1887	3.73 .	1.67 M	3.44 .	1.40 .	0
shimiyana	1870	3.17 .	1.43 M	3.14 .	1.30 .	0
ship	725	6.77 .	6.77 .	5.43 .	7.00 .	1
shoemaking	1611	4.63 .	6.17 F	4.64 .	6.37 .	0
short-change	1903	3.70 M	4.73 .	2.27 F	6.10 .	0
shortcoming	1680	2.83 .	4.17 .	2.93 .	6.74 .	1
show-box	1748	5.40 M	4.33 .	4.73 .	4.04 .	0
shudder	1310	5.10 F	5.90 .	2.73 .	6.03 .	1
Sican	1887	3.77 M	1.63 M	3.07 .	1.37 .	0
sickly	1350	3.97 F	5.80 .	1.57 .	6.60 .	1
sigmqid	1670	3.60 .	1.77 M	3.07 M	2.30 .	0
Silesian	1645	4.47 .	2.03 M	3.37 .	2.03 M	0
silure	1802	3.10 .	1.33 M	3.10 .	1.67 M	0
sinдон	1450	3.10 .	1.40 M	3.30 .	1.43 M	0
sink-stone	1766	5.27 .	4.54 F	3.43 .	3.40 .	0
sinsemilla	1975	3.47 .	1.70 M	3.40 .	2.07 M	0
sitter	1340	5.17 F	5.84 F	4.27 F	6.27 F	1
skew	1278	4.13 .	3.90 M	2.37 .	4.60 M	1
skimmer	1387	4.97 M	5.50 .	4.37 .	5.70 F	0
skulking	1297	3.17 .	4.00 .	2.73 M	4.14 M	1
sky	1220	6.47 .	6.84 .	6.37 .	7.00 .	1
slate	1799	5.87 .	6.07 F	4.37 .	6.73 .	1
slaughter	1300	5.03 F	6.37 .	1.57 .	6.94 .	1
sleight	893	3.40 .	3.54 F	3.73 F	4.47 .	1
slip	1000	5.30 M	6.40 .	3.03 .	7.00 .	1
sloshed	1946	4.13 .	5.73 .	3.20 M	6.37 .	1
slow-going	1798	3.43 .	5.34 .	2.97 F	6.20 F	0
smart	893	3.10 .	5.37 .	6.00 .	7.00 .	1
smoke-ball	1753	5.63 M	6.14 F	2.50 .	3.80 M	0
smooth	1050	4.53 M	6.47 .	5.67 F	6.97 .	1
snap	1495	4.97 .	6.30 .	3.50 F	6.84 .	1
snobbess	1869	3.10 F	5.00 .	2.00 .	3.53 F	0
snowed	1682	4.90 .	6.50 .	4.90 F	6.70 .	1
so	700	1.80 M	2.24 .	3.83 .	7.00 .	1
soffit	1613	4.13 .	2.83 F	4.37 .	1.87 M	0
soft	1000	4.30 F	6.33 .	6.20 F	6.90 .	1
sole	1000	5.70 M	5.80 F	4.50 .	6.77 .	1
somatologist	1893	4.97 F	2.30 M	3.77 .	2.27 M	0
son	825	6.00 .	6.70 .	5.87 M	7.00 .	1
soothe	950	3.57 M	5.70 F	5.67 F	6.60 .	1
sorry	888	2.70 .	5.04 F	4.30 .	7.00 .	1
sounding-line	1336	3.83 .	3.26 F	3.97 .	4.20 .	0
southdown	1787	2.80 .	3.77 .	4.47 .	3.97 .	0
sower	1000	4.40 F	4.13 .	3.83 F	4.50 F	1
spare	825	3.67 M	5.73 .	5.03 .	6.97 .	1
speak	825	4.83 F	6.30 F	5.60 .	6.94 .	1
special	1225	2.60 .	4.57 .	6.33 .	6.90 .	1
spectrograph	1884	5.27 M	3.80 .	4.30 F	3.54 M	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
spent	1440	3.53 M	5.67 F	3.73 .	6.94 .	1
spiky	1578	4.50 .	5.20 F	3.20 M	5.03 F	1
spin	725	4.47 .	6.23 .	4.73 F	6.93 .	1
spirit	1250	3.97 .	6.00 .	5.87 F	7.00 .	1
splendour	1450	3.30 M	5.10 F	6.10 F	6.57 .	1
spooler	1554	3.93 .	3.37 .	4.00 F	3.24 M	0
sporadic	1689	2.93 M	3.70 M	3.43 .	4.87 M	1
spread	1200	4.00 M	6.37 .	4.80 .	6.97 .	1
sprouted	1483	4.13 .	5.83 F	5.20 .	6.57 .	1
squamose	1661	3.07 .	1.77 .	3.43 .	2.10 M	0
square	1300	6.53 .	6.60 .	3.90 F	7.00 .	1
squat	1300	4.70 .	6.10 .	3.50 .	6.67 .	1
squinny	1605	2.87 .	2.50 .	3.00 .	2.03 .	0
stage	1300	5.83 .	6.50 .	4.94 .	7.00 .	1
stall	725	5.30 .	6.00 .	2.87 .	6.87 .	1
stand	825	5.13 .	6.17 .	5.03 .	7.00 .	1
standard	1154	3.17 M	5.00 F	4.67 .	6.87 .	1
star	825	6.37 M	6.87 .	6.24 .	7.00 .	1
state	1225	4.37 .	5.84 .	4.20 .	7.00 .	1
staveless	1866	2.63 M	2.30 M	3.17 .	2.70 .	0
steady	1530	3.50 .	5.30 .	5.34 .	6.94 .	1
steed	900	4.50 M	4.40 .	4.56 .	4.77 M	1
stenograph	1821	5.53 .	4.40 .	4.13 .	5.50 M	0
stevedore	1788	4.17 .	2.37 M	3.53 .	2.27 M	1
stick	888	6.57 .	6.70 .	3.93 .	6.80 .	1
stigmatic	1594	2.73 .	3.00 .	3.27 M	4.30 M	0
stipulode	1880	3.17 .	1.64 .	3.43 .	2.00 M	0
stockinet	1824	3.57 F	2.77 F	3.64 .	2.27 .	0
stooge	1913	4.63 .	5.40 M	2.80 .	6.50 M	0
stook	1460	3.70 .	1.90 .	3.26 M	2.57 .	0
storm	825	6.47 .	6.84 .	3.03 .	7.00 .	1
straight	1300	4.47 M	6.40 F	5.23 .	7.00 .	1
strangle	1300	4.53 .	6.53 .	1.63 .	6.80 .	1
streamline	1918	4.20 M	5.90 .	5.30 .	6.17 M	1
street	847	6.67 .	6.50 .	5.17 .	7.00 .	1
stridulant	1843	2.90 F	1.90 M	3.33 .	2.13 .	0
strip	1200	4.40 M	6.54 .	3.80 M	6.97 .	1
strong	825	3.37 .	6.24 .	5.97 F	6.97 .	1
structural	1835	3.57 .	5.27 M	5.34 .	6.70 .	1
stuff	1330	4.27 .	6.00 F	4.27 F	7.00 .	1
styleless	1796	2.60 .	4.60 F	2.97 .	5.10 .	0
subduer	1510	4.53 F	3.63 M	3.20 .	5.30 .	0
subjunctive	1530	2.73 .	2.93 F	3.27 .	4.10 .	0
subordinacy	1627	2.53 .	3.27 .	2.93 .	5.06 .	0
substitutional	1786	3.00 .	4.13 F	4.43 .	5.64 .	0
succinated	1698	2.63 .	1.90 M	3.76 .	2.20 M	0
suety	1730	2.80 F	2.54 .	3.43 .	1.90 .	0
suit	1297	5.97 .	6.60 F	4.93 .	6.97 .	1
summability	1904	2.77 M	2.93 .	4.10 .	3.84 .	0
summer	825	4.77 .	6.73 .	6.37 .	6.94 .	1
sun-spot	1818	5.50 .	5.70 .	4.83 .	5.87 M	0
superjacent	1610	3.37 .	2.17 .	3.97 .	3.24 .	0
supply	1374	3.67 M	4.97 F	4.80 .	6.84 .	1
supporting	1413	3.27 .	5.00 .	5.60 F	6.93 .	1
sure	1330	2.77 .	3.90 .	5.47 F	7.00 .	1
surveillant	1819	2.97 F	3.50 .	3.87 M	4.64 .	0
swad	1460	3.30 .	2.67 F	3.20 .	2.37 .	0
swatch	1512	4.87 .	5.07 F	4.63 .	6.24 F	0
swearing	1200	4.80 F	5.80 .	2.93 .	6.97 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
sweet-brier	1538	3.80 F	3.27 .	4.33 .	2.30 .	0
swindling	1527	3.23 .	5.17 .	2.30 .	6.04 M	1
swow	1000	3.70 F	3.47 M	4.00 .	2.47 .	0
syanthesis	1832	2.87 M	1.40 .	3.57 .	2.00 M	0
syllabic	1728	3.13 .	3.00 F	4.00 .	4.14 M	1
symphonist	1656	5.77 F	5.44 .	5.23 .	4.60 .	0
systemic	1724	2.93 .	3.90 .	4.33 .	5.57 .	1
tabriz	1859	4.53 M	1.43 M	3.40 .	1.44 M	1
tackle	1250	5.40 .	6.30 .	4.03 M	6.84 .	1
take	1100	3.13 .	5.43 .	3.67 M	7.00 .	1
talk-back	1933	3.43 .	5.47 .	2.44 .	6.07 .	0
tallying	1440	3.37 .	5.24 .	4.23 .	5.57 .	0
taper	897	4.40 M	5.10 F	4.07 F	5.94 .	1
tarragona	1888	4.57 .	2.17 .	3.53 .	1.47 .	0
task	1114	4.07 .	5.53 .	4.53 F	6.87 .	1
tea-board	1748	5.70 .	4.57 .	4.17 .	3.64 .	0
teddy	1907	6.13 .	5.93 F	5.63 F	6.80 .	1
tele	888	3.13 .	3.50 .	4.23 .	4.07 .	1
templed	1610	3.93 .	3.77 F	4.27 M	4.20 .	0
tenderizer	1958	5.37 .	5.60 F	4.53 .	6.67 .	1
tenseless	1886	2.70 .	4.54 F	5.00 F	4.97 .	0
terraced	1644	3.73 M	4.57 F	4.47 .	4.40 M	1
tetract	1886	3.40 M	1.60 .	3.53 M	1.90 M	0
tetramino	1954	3.60 .	1.40 .	3.50 .	1.64 .	0
that	825	2.07 M	3.07 .	3.83 .	7.00 .	1
theocracy	1622	2.57 .	1.87 .	3.47 .	3.40 M	1
theromorph	1887	3.73 M	1.97 .	3.50 .	1.64 M	0
thin-skinned	1598	4.00 .	5.77 .	2.70 M	5.40 .	0
thing	685	4.20 .	4.84 .	4.57 .	7.00 .	1
thorough	800	2.53 .	4.40 M	5.57 .	6.93 .	1
three-edged	1398	4.80 .	5.23 .	3.80 F	5.37 F	0
throw	888	4.43 F	6.40 .	4.30 M	7.00 .	1
thrown	1463	4.27 F	6.07 .	3.50 F	6.97 .	1
thwack	1530	3.17 M	4.30 .	2.64 .	3.37 M	1
tie	800	6.37 .	6.53 .	4.67 F	6.94 .	1
timbering	1175	3.67 M	5.47 F	3.87 F	5.20 F	0
time	893	3.13 .	5.87 F	5.07 .	7.00 .	1
tin-pot	1772	5.87 .	6.27 .	4.00 .	4.80 M	0
title	950	4.67 .	5.84 .	4.87 .	7.00 .	1
to-day	897	3.33 .	5.23 F	5.83 .	6.60 .	1
togger	1891	4.37 .	2.07 .	3.84 .	1.64 M	0
tomb	1275	6.33 M	6.74 .	2.40 M	6.97 .	1
tooth	725	6.60 .	6.80 .	4.80 .	6.97 .	1
tor	847	3.00 .	2.13 M	3.24 .	1.83 .	1
tornadic	1884	2.97 .	3.27 M	2.63 .	2.37 M	0
touch	1297	5.20 F	6.37 F	6.17 .	7.00 .	1
townling	1887	3.83 .	2.77 .	3.83 .	3.17 M	0
trace	1300	3.83 .	5.60 F	4.50 .	6.90 .	1
tradecraft	1810	3.43 .	3.74 .	4.70 .	4.30 F	0
tradition	1380	3.23 .	5.13 F	5.40 M	6.90 .	1
tramp	1388	5.57 M	6.47 F	2.07 .	6.90 .	1
trans-Siberian	1896	4.30 .	3.87 M	3.13 .	2.84 M	1
translatist	1638	4.07 F	3.60 F	4.31 .	3.47 .	0
trap	900	6.07 F	6.60 .	2.70 .	7.00 .	1
treatise	1374	3.90 M	2.97 .	4.23 .	3.34 M	1
trestle-tree	1625	5.40 M	3.54 F	4.53 F	2.17 .	0
tried	1362	2.87 F	4.47 .	4.70 .	6.97 .	1
trig	1200	3.47 M	4.23 .	3.67 .	3.74 .	1
trip	1305	4.83 M	6.60 F	6.27 .	6.97 .	1
troll	1377	5.53 M	5.37 .	3.00 .	5.97 .	1

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
truck	1225	6.77 .	6.74 F	4.73 .	7.00 .	1
trunk	1440	6.57 .	6.60 F	4.54 .	7.00 .	1
truth	893	2.83 M	4.94 .	6.30 .	6.97 .	1
tuilyie	1375	2.80 .	1.40 M	3.20 .	1.34 M	0
turf	725	6.23 .	6.04 .	4.77 .	6.83 .	1
turn	1000	4.23 .	5.80 F	4.40 .	7.00 .	1
turnerite	1823	3.70 .	1.73 M	3.43 M	1.83 M	0
twanger	1598	3.90 .	3.50 F	3.24 .	2.97 .	0
twist	1336	4.50 F	6.30 .	4.23 .	6.93 .	1
typology	1845	3.20 F	2.50 .	3.73 .	3.93 M	1
tyre	1429	3.87 M	2.84 .	3.60 .	2.23 M	1
umbellated	1676	2.33 .	2.20 .	3.67 .	2.33 M	0
un-Greek	1535	3.40 .	3.30 F	3.30 .	3.10 M	0
unaccountableness	1676	2.33 .	3.30 F	2.63 .	4.97 .	0
unbelieve	1547	2.13 M	4.20 .	3.37 .	4.67 .	0
uncertified	1535	2.70 M	4.20 .	2.87 .	6.54 .	1
unchangeableness	1548	2.60 .	3.50 F	2.67 F	4.97 .	0
uncontemplated	1709	2.33 .	3.27 F	3.77 .	4.87 .	0
under	825	3.87 .	6.03 .	3.43 .	7.00 .	1
underquote	1891	2.60 .	3.23 F	2.60 .	4.34 .	0
undivulged	1605	2.77 M	2.83 .	3.60 .	4.27 M	0
unfancied	1655	2.43 .	3.70 F	3.10 .	4.50 .	0
unimprisoned	1659	2.87 .	5.00 F	4.83 M	4.80 .	0
unisex	1968	3.50 .	5.10 F	4.23 F	6.64 .	0
unjustified	1340	2.57 .	3.84 .	2.50 F	6.74 .	1
unmeaning	1704	2.57 .	3.13 F	2.97 .	4.33 .	0
unpersuadable	1586	2.77 .	3.50 F	3.03 .	5.47 .	0
unrefreshing	1814	3.50 F	4.73 F	2.26 .	5.54 F	0
unseeable	1395	2.73 .	3.73 F	2.77 .	4.80 M	0
unstamped	1594	4.17 M	4.77 F	3.57 .	5.94 F	0
untirable	1607	2.60 F	4.44 F	5.00 F	4.54 M	0
unwhig	1756	3.17 M	2.43 .	3.34 .	2.20 M	0
up	825	3.40 M	6.10 F	5.77 .	7.00 .	1
up-put	1689	2.73 M	3.00 .	4.27 .	3.37 F	0
upswept	1791	3.27 M	4.73 F	3.83 F	4.93 .	1
urgence	1592	2.43 .	3.90 F	4.14 .	6.24 .	0
usurer	1290	4.27 M	2.83 M	3.17 M	2.80 M	1
vacuity	1541	2.93 .	2.03 M	3.17 .	2.30 M	0
valuation	1529	2.70 .	4.10 .	4.77 F	5.04 M	1
valvotomy	1903	3.10 M	1.70 .	3.26 M	1.53 .	0
variation	1386	3.07 M	4.54 F	4.70 .	6.84 .	1
vealy	1769	2.57 .	2.67 .	3.07 .	1.93 .	0
vending	1666	3.63 .	5.43 .	4.04 .	6.57 .	1
ventriloquous	1713	3.70 F	4.60 M	4.17 .	4.20 F	0
verifiability	1881	2.33 .	3.04 .	4.90 .	4.93 .	0
vermicule	1713	3.30 .	1.67 .	3.07 .	2.37 M	0
vesalian	1870	4.60 M	1.34 .	3.10 .	1.50 M	0
vicaress	1613	3.37 M	2.23 .	3.13 .	2.60 F	0
vigesimal	1656	2.73 .	1.53 .	3.43 M	1.53 .	0
vinosity	1624	2.70 .	1.67 .	3.60 .	1.90 .	0
vintage	1450	3.50 .	5.07 .	5.47 .	6.57 .	1
virtually	1430	2.23 M	2.83 .	4.64 .	6.84 .	1
visualize	1817	3.77 .	5.00 F	5.70 F	6.84 .	1
vogue	1571	2.70 .	5.10 F	4.60 F	6.67 .	1
volumeter	1829	5.13 M	2.44 .	4.30 .	3.47 M	0
vorlaufer	1961	3.70 .	1.30 .	3.33 .	1.44 .	0
vowing	1300	3.00 M	4.77 .	4.67 .	5.97 .	1
wage	1183	4.80 M	5.57 .	5.44 .	7.00 .	1
wake	825	4.57 .	5.97 F	4.77 .	6.97 .	1
walling	1000	3.00 .	4.33 F	3.34 .	3.60 .	0

APPENDIX (Continued)

WORD	DOE	CONC	IMAG	GOOD	FAM	FREQ
walnut	1050	6.70 .	6.70 .	5.10 .	6.97 .	1
wand	1200	5.97 .	5.80 F	4.73 .	6.50 M	1
wantage	1609	2.77 F	2.26 .	3.50 M	2.54 M	0
ware	725	3.97 M	4.27 .	4.13 .	5.37 .	1
warrant	1225	5.07 M	5.47 .	3.30 .	6.90 .	1
wastable	1436	2.90 .	4.17 .	2.97 .	4.93 M	0
water	897	6.73 .	6.84 .	6.20 .	7.00 .	1
water-soaken	1783	5.27 .	6.07 .	2.94 .	5.27 .	0
waterloo	1816	6.13 M	6.03 F	4.47 .	7.00 .	1
way	725	2.83 .	4.00 .	4.47 .	7.00 .	1
wealth	1250	4.17 M	6.17 .	5.70 .	6.87 .	1
web	725	6.43 M	6.60 .	3.50 .	6.83 .	1
weftage	1615	3.30 .	1.33 M	3.14 .	1.50 .	0
well	825	5.53 M	6.20 F	5.57 F	6.97 .	1
well-endowed	1690	3.87 .	5.87 .	5.23 .	6.04 M	0
well-trained	1611	3.15 M	5.50 F	5.77 .	6.50 .	1
westphalian	1604	4.37 .	1.60 M	3.60 .	2.53 M	0
wheat	825	6.80 .	6.67 F	5.07 .	7.00 .	1
whet	897	3.27 .	2.76 M	3.43 .	2.90 M	1
whipcord	1318	5.67 M	5.27 .	2.70 .	4.10 M	0
whist	1382	2.93 M	3.77 M	3.80 F	2.90 .	1
whitebeam	1705	4.73 .	4.43 .	4.70 .	3.10 F	0
whop	1400	3.90 .	4.26 F	3.40 .	4.70 .	1
wifish	1535	2.97 .	2.30 .	2.97 .	2.13 M	0
wiggler	1859	4.87 M	5.37 .	4.34 F	5.57 .	0
willer	1395	3.30 .	2.30 F	3.87 .	3.20 .	0
wind-gauge	1652	5.87 M	5.23 .	4.50 .	4.70 .	0
winter	835	5.70 .	6.50 .	5.10 .	7.00 .	1
wireline	1858	5.43 .	5.03 M	4.14 M	4.40 F	0
wit	888	3.37 M	4.43 M	5.84 .	6.67 .	1
within	1000	2.80 M	4.70 .	4.40 .	6.87 .	1
wolf	725	6.73 .	6.90 .	3.67 .	7.00 .	1
wood	725	6.33 .	6.73 .	5.33 .	7.00 .	1
work	725	5.10 .	6.50 F	4.77 M	7.00 .	1
workfare	1968	3.40 .	3.40 .	4.13 .	4.43 .	0
worm	825	6.67 .	6.84 .	3.23 .	6.94 .	1
worth	695	2.60 M	4.40 F	5.40 .	6.77 .	1
wreak	725	3.73 M	4.73 .	2.30 F	6.14 .	1
wring	888	3.83 M	5.20 F	3.27 .	5.20 .	1
wrongfulness	1425	2.60 .	3.90 F	2.47 .	6.07 .	0
x-radiation	1896	4.70 .	4.64 F	2.97 M	5.17 .	0
yager	1804	3.43 .	1.97 M	3.57 M	1.57 .	0
yegg	1903	3.30 .	1.47 M	3.10 .	1.50 .	0
yield	601	3.53 .	5.53 F	4.07 .	6.93 .	1
yolky	1000	3.27 M	4.47 F	3.57 F	3.73 .	0
your	825	2.33 .	3.80 .	5.10 F	6.87 .	1
zionism	1896	3.37 .	3.00 M	3.20 M	3.43 M	1
zizel	1785	3.47 F	1.83 M	3.73 .	1.37 .	0

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