1. Introduction

This article presents a critical and comparative review of the Longman Advanced American Dictionary, New Edition (henceforth LAAD2), which was revised approximately 7 years after the first edition was published. This dictionary will be compared with LAAD1, LDOCE4, MWALED, and other EFL dictionaries in terms of entry items (Section 2), pronunciation (Section 3), definitions, examples and other related information (Section 4), register and subject labels (Section 5), grammatical labels and language notes (Section 6), four types of articles (Section 7), etymology (Section 8), and pictorial illustrations (Section 9). We focus primarily on the dictionary’s usefulness as an educational tool in helping EFL learners in their English studies. Section 10 reports the results of a user study related to our review; the user study was conducted among English teachers and students at Japanese universities, where the teachers served as informants and the students acted as participants. This section forms the basis of the pedagogical viewpoint mentioned in the title of this article. Section 11 presents an overall conclusion.

Much has been said of pedagogical lexicography, and EFL dictionaries continue to be under constant review. Rundell (1998) overviews trends in English pedagogical lexicography since the publication of Hornby’s dictionary (ISED), and describes some improvements and developments in EFL dictionaries published up until the late 1990s. Van der Meer and Sansome (2001) divide their article on OALD6 into two parts and devote the latter to a discussion of pedagogical issues; further, as Sansome concludes, “The future of pedagogic lexicography is full of possibilities” (p. 302).

The prefaces of EFL dictionaries tend to point out the usefulness of the product for EFL learners, the impact it might have on them, the possible linguistic/pedagogical implications, or the amount of effort that was spent on making it more user-friendly. In the preface to OALD6, Sally Wehmeier comments that “this edition, the sixth, breaks new ground, sharpening further the learner-centred focus of the original,” referring to the centenary of the birth of A.S. Hornby that came shortly before the dictionary was published. In the Introduction to CALD, Patrick Gillard asks, “what kind of character would they [the readers] find in the Cambridge Advanced Learner’s Dictionary?” He goes on to answer by describing the dictionary as being friendly, helpful, and well-informed. In the introduction to COBUILD4, John Sinclair, COBUILD’s founding editor-in-chief, regards it as “continuing the distinctive COBUILD tradition established sixteen years ago. This new edition updates the ‘snapshot’ of current English, and adds some attractive features to make the book even easier to use.” Randolph Quirk proudly states in the foreword to LDOCE4 that “[t]he new LDOCE is a magnificent culmination of innovative energetic research along with computational techniques that are married to well-honed educational and lexicographical skills.” Henry Widdowson observes in the foreword to OALD7 that “it is the needs of the learner that are given priority, and this is what, from its early beginning, has always marked OALD as distinctive.” In the preface, Stephen J. Perrault, editor of MWALED, regards the dictionary as “not only an entirely new dictionary created by the editorial staff of America’s oldest dictionary publisher; it also marks the beginning of a new kind of publishing for this company,” mentioning the dictionary’s “unparalleled” coverage of American English.

Surprisingly, LAAD2, the American counterpart of LDOCE, does
not have a preface or introduction in which to display such messages to the user. The 10-page front matter that starts from the inside front cover includes (a) pronunciation keys; (b) contents; (c) acknowledgments; (d) "Reviews of the Dictionary," which quotes 6 short passages by educators and authors; (e) "Key to the Dictionary," which is a visual user's guide where explanations are arranged rather sporadically without an alphabetical or thematic order; (f) "Longman Academic e-Tutor CD-ROM," a brief guide to the CD-ROM edition of LAAD2, which we deal with only in Sections 3, 8, and 9; and (g) "Picture Credits." Thus, (d) "Reviews of the Dictionary" seems to have substituted for the conventional preface by the editor. Does this suggest that there is no message on improvements or new features that the editors themselves can deliver with pride?

The front matter is followed by the 1841-page dictionary text, printed in black, red and blue. Between the "I" and "J" sections is the 60-page middle matter, consisting of "Language Notes," "Full-page Illustrations," and "Writing Guide." The "Full-page Illustrations" section is printed in full color. The 22-page back matter consists of tables for (a) U.S. States, Capitals and Postal Abbreviations, (b) Numbers, (c) Weights and Measures, (d) Irregular Verbs, (e) Short forms, (f) Labels, (g) Grammar Codes, (h) [Verb] Patterns, (i) The Longman American Defining Vocabulary, and (j) Geographical Names. A CD-ROM edition is attached to the inside of the back cover.

For a quick survey of headwords, subject labels, definitions, examples, collocations, and "Origin" notes, we have designated the following as a sample: pages 50 and 51, and similar page sets for every subsequent 50 pages—pages 100 and 101, 150 and 151, . . . and pages 1800 and 1801—although for other categories, the entire dictionary will be surveyed. Thus, by multiplying the figures in the sample by 25, one can approximate the number in the entire dictionary.

2. Entry items

2.1. Number and types of entry items

Similar to LAAD1, items typically found in English in the U.S. are entered unmarked in LAAD2. In the sample, we have counted 2,120 entry items, including run-on derivatives. Therefore, the total number of entries in LAAD2 is estimated to be 53,000. Table 2.1 indicates the number of types of entry items in the sample.

<table>
<thead>
<tr>
<th>noun</th>
<th>verb</th>
<th>adjective</th>
<th>adverb</th>
<th>affix</th>
<th>abbreviation</th>
<th>pronoun</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>1271</td>
<td>241</td>
<td>400</td>
<td>139</td>
<td>17</td>
<td>23</td>
<td>12</td>
<td>22</td>
</tr>
</tbody>
</table>

The entries for nouns, including compound and proper nouns, account for nearly 60% of the total. Verb entries include those in which not the definition of the verb itself but that of a phrasal verb is provided. Affixes include five prefixes and twelve suffixes. Not only the word each but also the phrase each other, quantifiers lots and lotsa, and contracted forms such as they'd, they'll, etc., are regarded as pronouns. Some derivatives, particularly nouns, adjectives, and adverbs, are run-on under a main entry. There are 319 such run-on derivatives (included in Table 2.1), typically without a definition but occasionally with an example. As there are a small number of multiple parts-of-speech entries, the total number in Table 2.1 does not add up to 2,120.

Compared to MWALED, academic, cultural, and encyclopedic entries abound in LAAD2. On the other hand, LAAD2 tends to refrain from entering less frequent derivatives that are run-on under the main entries in MWALED.

2.2. Newly entered items

For a dictionary that was revised after a seven-year interval, the number of newly entered and deleted items is relatively small. There are 85 newly entered items in the sample, most of which are scientific terms with a descriptive subject label (see Section 4.3.). The following is a list of newly entered items:

(1) historical terms (nine items, all labeled as HISTORY): American Expeditionary Force, American Indian Movement, Amer-
ican System, Columbian Exchange, Muslim League, Paris peace talks, START, Triple Alliance, Triple Entrance

(2) political terms (five items, all labeled as POLITICS): Americans with Disabilities Act, blanket primary, parliamentary democracy, parliamentary government, Surface Transportation Board

(3) terms in economics (three items, all labeled as ECONOMICS):
- graduated income tax, variable cost, variable expense

(4) terms labeled as ENG.LANG.ARTS (two items): exclamatory, Lost Generation

(5) computer-related terms (four items, all labeled as COMPUTERS):
- data capture, data mining, data retrieval, data transfer

(6) mathematical terms (seven items, all labeled as MATH):
- if-then statement, irrational number, lateral area, lateral face, parent function, prime factorization, principal root

(7) terms in chemistry (five items, all labeled as CHEMISTRY):
- amphoteric, disaccharide, ionic bond, ionic compound, saponification

(8) terms labeled as BIOLOGY (twelve items):
- amniotic egg, blastula, ileum, lateral bud, lateral line, lateral line system, menstrual cycle, meninges, radula, saprobe, tricuspid valve, vascular tissue

(9) terms in earth science (two items, both labeled as EARTH SCIENCE):
- graben, rain shadow

(10) terms labeled as TECHNICAL (three items):
- Amerind, varietal

(11) terms used in informal contexts (two items, both labeled as INFORMAL):
- bunker buster, froyo

(12) terms with other labels (three items):
- iPod TRADEMARK, Planck’s constant PHYSICS

(13) other proper nouns (five items):
- Americanism, IED, Igbo, Ibo, San Martin

(14) other compound nouns (twelve items):
- color analyst, color commentator, color wheel, exclusive powers, iris scan,
- mental block, mutual aid society, mutually exclusive events, placer mining, printed matter, responsible development, triple play

(15) other words (eleven items):
- amu, bunraku, convoy v. (run-on), exchequer, fingerprinting (run-on), -fronted, sati, sham adj., thigmotropism, varna, varying

In short, most of them are terms of some technicality, and 55 out of 85 are compound nouns. Thus, LAAD2 apparently aims to be academically oriented on one hand, and on the other hand, seems to have recognized these compound nouns as idiomatically stable in their own right, not merely as a stopgap combination of words.

2.3. Deleted items

Only six items in the list of entries in LAAD1 corresponding to the sample from LAAD2 have been deleted: bullshit n., bullshit v., bullshitter, darkie, Parcheesi, and parish church. In addition to the first four words above, many offensive words or uses of words have been removed from LAAD2 (see Section 7.1.). Based on the increase in entries by 79 items (85 new entries and six deleted ones) in the sample, we estimate the increase in entries in the entire dictionary at nearly 2,000, or an increase by 3.9% over LAAD1. This is somewhat smaller than the increase in headwords, including derived words, in LDOCE4 over LDOCE3, which is estimated to be 6.5%, based on Ichikawa et al. (2005: 4).

2.4. Changes in status

There are some other words whose status has changed. For example, snake oil salesman, also snake oil peddler in LAAD2 used to be treated as collocations in Sense 2 of snake oil in LAAD1. The word sated adj. in LAAD2 used to be shown as “be sated (with sth)” — the only phrase under the entry for sate v. in LAAD1, in which the phrase and not the entry word is defined. On the other hand, rains (in the sense of “monsoon”) in LAAD1 is now no longer treated as a head-
word, and has been moved to Sense 2 of rain in LAAD2 using the same example: The rains have started early this year. There are thirteen such cases in the sample where the treatment has changed in status.

(Kanazashi)

3. Pronunciation

3.1. Overview

The transcribing method and pronunciation guide in LAAD2 does not differ much from that in LAAD1. Therefore, the merits and demerits of LAAD1 have largely been retained in LAAD2. The new edition, however, includes a CD-ROM, whose sound files can help the user improve his or her pronunciation. In this section, the transcribing method of LAAD2, mainly the remaining problems, will be examined and compared with that of the previous edition, LAAD1, and then the CD-ROM will be analyzed.

3.2. Transcriptions of vowels

3.2.1. General view

The list of phonetic symbols for vowels is shown in Table 1. The list is given inside the front cover of the dictionary, whereas the previous edition has the list under its guide to pronunciation in the Appendix.

In LAAD1, the Guide shows that /e/ is used for the vowels of bet and bed. This was not true, however, as /e/ was used in the dictionary. This mistake has been corrected in the new version, and the Guide says that /e/ is used for the vowel of above-mentioned words. The use of /e/ reflects the openness of GA /e/ as opposed to RP /e/.

3.2.2. Weak vowels

Higashi et al. (1986: 72) and Masuda et al. (1999: 22) point out that the use of length marks is desirable for such words as beat, boot, bought, and shirt. In their analysis of LAAD1, Dohi et al. (2002: 20) take up this fact, and point out that because of the lack of length marks in LAAD1, ‘/i/ and /σ/ can represent both strong and weak vowels,’ and that ‘it is sometimes difficult to interpret the value of these symbols’. LAAD2 neglects to use length marks as well, leading to the same difficulties.

3.2.3. The use of /e/

Neither LAAD1 nor LAAD2 indicate the widespread use of /e/ in words like marry and narrow in the US. Since it is a common pronunciation in the US, it may be preferable to use the symbol.

<table>
<thead>
<tr>
<th>Table 3.1 The Vowel symbols in LAAD2</th>
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<tbody>
<tr>
<td>/i/</td>
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<tr>
<td>/ar/</td>
</tr>
<tr>
<td>/ər/</td>
</tr>
<tr>
<td>/or/</td>
</tr>
</tbody>
</table>
3.3. Transcription of consonants

LAAD2 uses almost the same method of transcription for consonants as LAAD1. For example, the initial consonant in words like white and where is transcribed as /w/ (without /h/), as in the previous edition.

Words like news, tube and due, where 'yod' has largely been dropped in American English, are transcribed as /nuz/, /tub/, and /du/, respectively, just as they were in the previous edition, which, according to Dohi et al. (2002: 23) 'seems quite adequate'.

The use of the symbol representing a glottal stop, nasal plosion and lateral plosion in such words as football, button, and atlas is the same as in LAAD1. Since all three realizations are represented by the same symbol, the user may have problems distinguishing between them.

3.4. Transcription of stress and syllabication

One difference between LAAD1 and LAAD2 in the transcription of stress and syllabication is the way stress marks are put on compounds. In LAAD1, as is mentioned in the Guide, 'a stress pattern of the compound word is shown, with a dot representing each syllable.' For example, the stress of aircraft carrier is shown as /ˈeɪk.rɪf.t ˈkɛr.i.ə/. This method does not seem user-friendly. In LAAD2 the stress marks are put directly on the words. The same compound has its stress as /ˈeɪ.krɪf.t ˈkɛr.i.ə/, which is far more preferable as one can easily see which of the two (or more) words has a primary accent and which has a secondary one.

As Dohi et al. (2002: 25) point out referring to Higashi et al. (1986: 89–91), 'the absence of stress marks on monosyllables sometimes makes the transcriptions of strong and weak forms of monosyllables ambiguous.' LAAD1 has this problem, and, unfortunately, LAAD2 adopts the same policy.

As discussed in Urata et al. (1999: 74), and Dohi et al. (2002: 27), the Longman dictionaries do not put stress marks on idioms or phrases. This is far from being satisfactory, and it seems vital that dictionaries targeting foreign learners should place stress marks on phrases and idioms.

LAAD2, as well as LAAD1, uses a hyphen to indicate a division between syllables. Thus, the word laudanum is transcribed as /ˈlɔd.nəm, -nəm/. However, this may be misleading. This word can be pronounced both as /ˈlɔd.nəm/ and /ˈlɔd.nə.mə/. The transcription /-nəm/ seems to represent the latter, which is not easy for the user to infer.\(^1\)

3.5. CD-ROM

The CD-ROM accompanying LAAD2 provides recorded sounds for its entries and some example sentences. To listen to the recorded sounds the user clicks on the entry word. The user can also listen to the recorded sounds by clicking on “Listen & Repeat” above, and then a window for the listening practice will open. Entry words and examples are read with a North American accent. The user can also record his or her own sounds for playback.

One of the problems with recorded sounds is the discrepancy between them and the transcription used in the dictionary. In LAAD2, this problem also occurs. As regards function words like was, of, etc., for example, both the paper version and CD-ROM give both their weak and strong forms, whereas the transcription in CD-ROM's listening practice gives only weak forms. Moreover, the recorded sounds represent strong forms of the abovementioned words. This means that the transcription shown in the window and the sound differ, which may be misleading.

Another minor problem is the lack of transcription in some of the entries: some entries have a transcription in the practice window, while others do not. For the user's benefit, it is desirable that all the entries have a transcription.

3.6. Summary

The phonetic symbols in LAAD2 are almost the same as those in LAAD1 regardless of the fact that Dohi et al. (2002: 27) noted problems and provide possible solutions. The CD-ROM is a useful tool, and it does help the user. However, as has been shown in 3.5, it may cause problems for the user. In adopting new technical tools (such as CD-ROMs), it is desirable that they help the user without confusing him or
her. More research must be done on CD-ROMs and a more useful tool needs to be introduced. In this section, as mentioned in Section 3.1., the advantages of LAAD2 in terms of pronunciation have not been explored because Dohi et al. (2002) have discussed those of LAAD1 and they do not seem to have changed extensively in LAAD2.

(Otani)

4. Definitions, examples, and other related information

4.1. Definitions, defining vocabulary, and signposts

The presentation of definitions has merely undergone slight revisions, except for some cases in which the article has been rewritten. Many participants in the user study on LAAD1 (US-LAAD1, see Section 10.2.) in the reading context preferred the entries in LDOCE2 to those in LAAD1 with respect to all the five target words on the ground of definitions and examples (Dohi et al. 2002: 78–82), so there was definitely room for further improvement. Long definitions, presumably too long ones, are still present in LAAD2, like the sentence definitions of verbs and phrasal verbs beginning with if, which were criticized by the participants in US-LAAD1 as being "too long."

A quick survey of the first four pages of the sample reveals that only 25 definitions out of 193 have been revised. Most of them are slight modifications such as the mere deletion of 'happening' at the beginning of Sense 1 of amid: “happening while noisy, busy, or confused events are also happening” but a more drastic change in wording can be seen, as in the change in the definition of back-stabbing from “the act of secretly doing bad things to someone else, especially saying bad things about them, in order to gain an advantage for yourself” to “the act of secretly saying or doing unpleasant things to harm someone else's reputation, especially in order to gain an advantage.” Many of the revisions involve abridgement, as in the change in the definition of backspin from “a turning movement in a ball that has been hit so that the top of the ball turns backward as the ball travels forward” to “the turning movement of a ball that is spinning backward as it travels forward.” On the other hand, some definitions of scientific and technical terms are revised so that they include encyclopedic information:

amphibian n. an animal, such as a frog, that lives in water for the first part of its life and on land when it is an adult [LAAD1]

amphibian n. BIOLOGY an animal, such as a frog, that lives in water for the first part of life, but can live on land and breathe using lungs when it is an adult. Amphibians have wet skin and are COLD-BLOODED. [LAAD2]

168 definitions out of the 193 mentioned above remain unchanged. However, the problem is that some definitions with insufficiency have not been improved. For example, in the definition of back formation, “a new word formed from an older word, for example ‘televise’ formed from ‘television’,” lacks the distinctive feature of the headword that the formation is done by removing a supposed affix. In addition to the 193 definitions, there are four new definitions (apart from those of newly entered words), but no definitions have been deleted.

The defining vocabulary has not been radically revised, either. LAAD2 lists 2,000 items in the table entitled “Words Used in the Definitions in this Dictionary” (p. 1852–60). The list is not lacking in the problems pointed out by Dohi et al.

One of the noticeable changes concerns the signposts at the beginning of some senses. In LAAD1, they are printed in white against a black background. As LAAD2 is printed in black, red, and blue, the signposts are printed in blue in an Arial-like font, clearly different from the definitions, grammar codes, and other labels. However, the results of Part 2 of our user study show that some participants found the signposts in LAAD1 easier for locating information, whereas none expressed this appreciation for LAAD2. The use of colors alone does not necessarily facilitate easy access.

For other features of definitions common in both editions, readers are referred to Dohi et al. (2002: 33–37).
4.2. Examples and collocations

The examples have undergone more extensive revisions than definitions. Seventy examples on the first four pages of the sample remain unchanged, 45 have been revised, and there are twelve new examples and one deleted example. Of the revised examples, many have been abridged. The problem is that some of them have become too short to suitably convey the nuance of the headword:

- **back out** *phr v.* [I] to decide not to do something that you had promised to do: One potential buyer backed out when she learned what the taxes would be. | + of The airline backed out of the deal. [LAAD1]

- **back out** *phr v.* [I] ...: The potential buyer backed out. | ... [LAAD2, the definition and the second example are identical with those in LAAD1]

- **backdrop** ... *n.* [C] 1 LITERARY the scenery behind something that you are looking at: The snow-covered Rocky Mountains made a wonderful backdrop for the concert. [LAAD1]

- **backdrop** ... *n.* [C] 1 ...: The mountains made a wonderful backdrop for the concert. [LAAD2, the style label and definition are identical with those in LAAD1]

A careful user of both editions might miss the colorful examples in LAAD1. Conversely, the fact that only a few participants in the user study concerning LAAD1 noticed or guessed the musical connotation of the place name, Nashville, in an example under **gravitate** poses the question of whether dictionaries should intend to provide cultural information in the example when cultural and encyclopedic information is not very frequently referred to (Dohi et al. 2002: 82).

The second example of **back out** *phr v.* in LAAD1 above is preceded by a note “+ of” in bold, and this is also a common way of indicating important collocations in LAAD2. Collocations may be shown in bold before an example as above, or in the example as in:

*He’s the kind of person who laughs at people behind their backs* (= is unkind about someone when they are not there). [LAAD2, s.v. **laugh at**, Sense 1]

or, as the caption of a sense paragraph as follows:

**laugh at** *phr v.* 2 laugh at sb/sth to show that you think an idea or suggestion is very silly ... 3 laugh at yourself to not be too serious ...

There are 32 new and four deleted collocations in bold so that the total number of specifically indicated collocations has increased from 58 to 86. This seems to be a great improvement on the one hand, but at the same time, a user might feel that the extensive use of bold formatting for many words on a page is not easy on the eye.

4.3. Spoken phrases

Spoken phrases are printed in boldface type against a gray background in LAAD1. The use of colors has allowed LAAD2 to print the definition in black, the signpost in blue, the caption “spoken phrases” in white against a red background, and to enclose the section with red lines.

The entries in the sample from LAAD2 are **darn** *v.*, **fine** *adj.*, **heaven**, **love** *v.*, **pardon** *v.*, **sure** *adv.*, and **thing**. Here, the number of senses treated as spoken phrases has decreased from 47 to 42. Some of the spoken phrases common in both editions have slightly changed. For example, under **pardon** *v.*, Senses 3–8 are treated as spoken phrases in both editions, and only Sense 3 (**pardon me**) has changed in terms of subdivision of senses, definition, and examples, while the content of other paragraphs has stayed the same, except for the deletion of the example in Sense 5. At **love** *v.*, Senses 5–8 are treated as spoken phrases in LAAD1 but not in LAAD2. Sense 5 (**I’d love to (do sth)**) is now headed by the signpost “WANT,” with the insertion of a short phrase and the revision of two examples. Also, a “Thesaurus” article is placed immediately after Sense 1.

In the part of LAAD1 corresponding to the sample from LAAD2,
### SPOKEN PHRASES

<table>
<thead>
<tr>
<th>Phrase</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 to start with</td>
<td>spoken a) said to emphasize the first of a list of facts or opinions you are stating: I'm not going to Vegas. To start with, I don't like gambling, and I also can't get time off work.</td>
</tr>
<tr>
<td>20 sb started it!</td>
<td>used to say that someone else has caused an argument or problem: &quot;Tim, stop fighting with your sister.&quot; &quot;She started it.&quot;</td>
</tr>
<tr>
<td>21 start something/anything</td>
<td>to begin causing trouble: If you start something in there, don't expect me to back you up.</td>
</tr>
<tr>
<td>22 Don't (you) start with me!</td>
<td>used to tell someone not to complain, argue, or annoy you</td>
</tr>
</tbody>
</table>

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**start** v. also has 4 spoken phrases. Let us take this entry as a good example of a "slight revision" that can be seen all over the volume. Figures 4.1 and 4.2 show a partial annotated entry for **start** v. in LAAD1 and LAAD2, respectively.
4.4. Pragmatic information at the discourse level

There is no doubt that pragmatic information is essential in learners’ dictionaries, particularly because “not all learner errors are related to grammar. Rather, a considerable proportion of them are caused by the learner’s lack of pragmatic knowledge” (Yang 2007: 147). Therefore, in order to avoid pragmatic failure, EFL dictionaries allot abundant space to the description of sentence adverbials, spoken phrases, and address forms. We aim to describe pragmatic information at the discourse level in LAAD2 and compare it with that in LAAD1, MWALED, COBUILD5, LDOCE4, and OALD7. The description and the comparison are based on the frameworks proposed by Yang (2007), who focuses on pragmatic information in LDOCE4, and Uchida (2009), who analyzes the presentation of pragmatic information in LDOCE4, OALD7, COBUILD5, and some English-Japanese dictionaries. Yang (2007) distinguishes three levels of pragmatic information: lexical, sentence, and discourse. Uchida (2009) deals with linking adverbs, which fall under discourse. We will deal only with pragmatic information at the discourse level because this seems to be an area with ample room for improvement in LAAD2. Table 4.1 shows the treatment of linking adverbs, the treatment of which Uchida (2009) believes differs between dictionaries.5

Table 4.1 The treatment of linking adverbs

<table>
<thead>
<tr>
<th></th>
<th>LAAD1</th>
<th>LAAD2</th>
<th>MWALED</th>
<th>LDOCE4</th>
<th>OALD7</th>
<th>COBUILD5</th>
</tr>
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<tbody>
<tr>
<td>particularly</td>
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<td>specifically</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
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</tbody>
</table>

Notes: + indicates the presence of word usage as a linking adverb, whereas − indicates its absence.

Next, Table 4.2 is a modification of Uchida’s (2009) and shows the number of sentences within the verbal illustration of the following items as linking adverbs: moreover, furthermore, by comparison, by contrast, therefore, thus, to sum up, first, and firstly. As he argues, two sentences (or a compound sentence) are necessary. This applies to two other words—second and secondly—to a greater extent than to first and

Table 4.2 The number of sentences in the verbal illustration

<table>
<thead>
<tr>
<th></th>
<th>LAAD1</th>
<th>LAAD2</th>
<th>MWALED</th>
<th>LDOCE4</th>
<th>OALD7</th>
<th>COBUILD5</th>
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<td>[2]</td>
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<td>2</td>
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<td>[2]</td>
<td>1</td>
</tr>
<tr>
<td>by comparison</td>
<td>2</td>
<td>−</td>
<td>2</td>
<td>−</td>
<td>[2]</td>
<td>1</td>
</tr>
<tr>
<td>by contrast</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>−</td>
<td>[2]</td>
<td>1</td>
</tr>
<tr>
<td>therefore</td>
<td>2</td>
<td>−</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>−</td>
</tr>
<tr>
<td>thus</td>
<td>2, 2</td>
<td>−</td>
<td>[2], 1</td>
<td>2</td>
<td>2</td>
<td>−</td>
</tr>
<tr>
<td>to sum up</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>−</td>
</tr>
<tr>
<td>firstly</td>
<td>1</td>
<td>1</td>
<td>3, 1</td>
<td>1</td>
<td>[2]</td>
<td>−</td>
</tr>
</tbody>
</table>

Notes: The number in the brackets indicates the number of clauses in a compound sentence. * indicates that the usage as a linking adverb is not verbally illustrated, and − indicates that the usage is not treated in the dictionary.

Tables 4.1 and 4.2 reveal that COBUILD5 is unique and the poorest in terms of pragmatic information at the discourse level; moreover, we can see that LAAD2 is rather weak and probably second to COBUILD5 in terms of being the poorest of the six dictionaries. It might be unfair to judge by comparing them on the basis of merely thirteen items, or by superficially adding the number of sentences or clauses in their examples in question. However, it is clear that LAAD has abandoned twosentence examples at by comparison, therefore, and thus, and a two-clause example at first. If the increase in entry items has been made possible at the expense of pragmatic information, users should be careful not to place too much confidence in the dictionary or the number of entries stated in the blurb on the back cover.

Nishikawa (2006) gives examples of the entries for adverbial discourse markers (henceforth ADMs) that “do not tell the users anything helpful related to communicative skills” (Nishikawa 2006: 190), and makes some proposals on the presentation of pragmatic information in the entries for ADMs in English-Japanese dictionaries. Some of her
proposals seem to apply to EFL dictionaries, in stationg that (1) explicit mention should be made of the ADM usage in dictionaries by adopting the category label DM, (2) ADM meanings should be defined in function-oriented ways, and (3) mention should be made of possible difference in the usage and function of the ADMs by comparing them in use (Nishikawa 2006: 191). Unfortunately, however, most entries for ADMs in LAAD2 do not seem to meet her expectations.

(Kanazashi)

5. Subject and register labels

5.1. Classification of labels

The labeling systems of LAAD2 leave much to be desired. In our description we partly adopt Svensén’s (1993: 181-188) classification of labels: labels before the definition (i.e. excluding grammar codes) are divided into two categories, subject field and register. The latter is subdivided into style level, time register, geographical register, metaphor, abstract and concrete, and speaker’s attitude. Labels are subdivided into five categories in LAAD2 (p. 1850):

1. Words which are used in a particular situation, or show a particular attitude
2. Words which are used in a particular context or type of language
3. Words which are used in particular subject area
4. Some words and spellings from other varieties of English have been included.
5. Words that should be used with caution, or should not be used at all

Each line above is followed by the register labels that fall into that category along with a detailed explanation of each label.

5.2. Subject labels

Svensén (1993: 183) remarks that dictionaries attach subject labels to some senses of headwords in order “to distinguish technical-language from general-language equivalent” (in the case of bilingual dictionaries) and to indicate that (the sense of) the word “denotes a concept which occurs mainly in” a particular subject field. The kind of subject labels has increased from one in LAAD1 (LAW) to thirteen in LAAD2: BIOLOGY, CHEMISTRY, COMPUTERS, EARTH SCIENCE, ECONOMICS, ENG.LANG.ARTS, HISTORY, LAW, MATH, MEDICINE, PHYSICS, POLITICS and SCIENCE. The number of senses within the sample entries with each subject label is shown in Table 5.1. If a label is placed before Sense 1, we interpret that it applies to all the senses of the headword. There are 228 entry items in the sample with at least one subject label.

<table>
<thead>
<tr>
<th>Subject Label</th>
<th>Number of Senses</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>68</td>
</tr>
<tr>
<td>CHEMISTRY</td>
<td>17</td>
</tr>
<tr>
<td>COMPUTERS</td>
<td>12</td>
</tr>
<tr>
<td>EARTH SCIENCE</td>
<td>12</td>
</tr>
<tr>
<td>ECONOMICS</td>
<td>14</td>
</tr>
<tr>
<td>ENG.LANG.ARTS</td>
<td>49</td>
</tr>
<tr>
<td>HISTORY</td>
<td>17</td>
</tr>
<tr>
<td>LAW</td>
<td>14</td>
</tr>
<tr>
<td>MATH</td>
<td>13</td>
</tr>
<tr>
<td>MEDICINE</td>
<td>10</td>
</tr>
<tr>
<td>PHYSICS</td>
<td>7</td>
</tr>
<tr>
<td>POLITICS</td>
<td>16</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>2</td>
</tr>
</tbody>
</table>

The entry items with a subject label have grown in number due to the increase in technical terms, particularly scientific ones, in LAAD2 over LAAD1 (see Section 2.1.). Unfortunately, two problematic labels appear frequently. The label BIOLOGY is attached to words that denote “living things; parts of the body; names of animals” (p. 1850). However, some (senses of) words that originally held such meaning but are not considered biological now retain the label. The word white\(^{2}\).\(^{3}\) n. has two senses labeled as BIOLOGY:

white\(^{2}\).\(^{3}\) n. 4 EYE [C] BIOLOGY the white part of your eye 5 EGG [C,U] BIOLOGY the part of an egg that surrounds the yol\(\text{k}\) (= yellow part)
and becomes white when cooked

However, white\(^{2}\).\(^{3}\) n., in its fifth sense, will be regarded by many as a culinary term rather than a biological term. The word yol\(\text{k}\) does not have the label BIOLOGY. Moreover, entries such as blueberry, cranberry and pear, more associated with the edible fruit than the tree or shrub that bears them, are all labeled as BIOLOGY, even though the only examples provided for blueberry and cranberry are blueberry pie and
From Table 5.2, we gather that LAAD2 emphasizes the formal/informal distinction and the context in which the word is used. Geographical labels are rare, and Morse (2008: 18-19) fears that American English dictionaries (other than MWALED) tend not to label typically British words as such. Most “[w]ords that should be used with caution, or should not be used at all” in Category 5 have been deleted in LAAD2 (see Sections 2.2. and 7.1.), which accounts for their extremely low number.

(Kanazashi)

6. Grammatical labels and Language Notes

6.1. Grammatical labels

Grammatical labels in LAAD2 fall into three categories: parts of speech, inflections, and grammar codes and patterns.

6.1.1. Parts of speech

LAAD2 has nineteen parts of speech or “word class”: adj., adv., auxiliary verb, conjunction, determiner, indefinite article, interjection, modal verb, n., number, phr. v., possessive pron., possessive adj., prefix, prep., pron., quantifier, suffix, and v.1) These categories are exactly the same as those in LAAD1 and LDOCE4. Those that are abbreviated are also the same as those in LAAD1 and LDOCE4. The table of the parts of speech exists in LAAD1 (p. xx), but it is missing in LAAD2. The table of “Short forms” (p. 1850) is not a complete list of parts of speech; it only displays abbreviated parts of speech, i.e. adj., adv. n. phr. v., prep., pron., and v., and includes short forms of words that are not part of speech (E. (=east), sth (=something), etc.).2)

6.1.2. Inflections

Dohi et al. (2002: 38) reveal that LAAD1 shows the inflection of words of the types (1) vowel + y (play-played (v), monkey-monkeys (n)), (2) consonant + y (try-tried (v), baby-babies (n), happy-happier-happiest (adj)), (3) doubling (stop-stopped (v), fat-fatter (adj)), and (4) irregular inflections (go-went-gone (v), child-children (n), good-better-
best (adj), which LAAD2 copies. If a word has regular and irregular inflected forms, both are spelled out. For example, in the entry for beseech the inflection is shown as follows: past tense and past participle besought or beseeched. As in LAAD1 and LDOCE4, inflected forms of verbs, nouns, adjectives, and adverbs are shown immediately after the part-of-speech label. If a word has different inflections according to the meaning, the inflection is presented after the number of the meaning. Often these inflections are put after labels in italics which show what inflection they are, such as the meaning, the inflection is presented after the number of the mean-
ing. Often these inflections are put after labels in italics which show the part-of-speech label. If a word has different inflections according to the number of the meaning, the inflection is presented after the number of the meaning. Often these inflections are put after labels in italics which show what inflection they are, such as plural, past tense, and comparative, but in the case of irregular verbs these labels are applied inconsistently; to take examples from the abovementioned verbs, in the entry of play v., monkey v., try v., and stop v., the inflections appear without any labels, as “v. tries, tried, trying” while the entry of baby v. and go v. have labels, as “v. babies, past tense and past participle babied, babying” and “v. goes, past tense went past participle gone”.

LAAD2 has a table for irregular verbs in “Tables” at the end of the volume (pp. 1845–49), which is also problematic; in the line of modal verbs the inflection is not written. 5) LAAD2 instructs the reader to “(see dictionary entry)”, but only the entry for can modal verb shows the inflection of the past tense. In the entry for could, third person singular form could are shown, and in the entry for may, might modal verb, shall, should, will modal verb, and would, no inflection according to the tense is given. 6) Often, these entries show the short form and the negative short form (e.g. 'd and wouldn't), but the entry of can does not. This lack of the information is also true of be; the inflection of be is not shown anywhere in LAAD2. 7) Regrettably, LAAD2 has deleted the table of the inflection of be which exists in LAAD1. To make matters worse, the entry for each inflection (am, are, etc.) does not show the short forms. Although LAAD2 seems willing to show the forms of irregular inflections, it neglects modal verbs and be.

Like LAAD1, LAAD2 pays no attention to the different inflections in AmE and BrE. For example, in the entry for get and the usage note for got, LAAD2 says that got is the past tense and gotten is the past participle. To the contrary, LDOCE4, a British equivalent of LAAD2, shows the inflections of American English as well as those of British English, e.g. “get v past tense got, past participle got BrE, gotten AmE present participle getting.” It also explains the difference in the “US/UK Difference” box of gotten.

6.1.3. Grammar codes and patterns

Grammar codes and patterns are listed on page 1851 of LAAD2, whereas in LAAD1 they are grouped together as grammar codes. This categorization was introduced first in LDOCE4. Ichikawa et al. describe the categorization; “[t]hose that denote grammatical features of a word are called codes, while those that denote syntactic behavior of a word are called patterns” (2005: 47). LAAD1 explains what is included in the grammar codes in the Syntax section in the Guide to the Dictionary (pp. xx–xxii): “[b]asic information about the way a verb behaves,” “[a] typical construction” (verb); “whether a noun, or a particular sense of a noun, is countable (a pen, three pens), or uncountable (honor, daylight),” “[a] construction that typically follows a noun” (noun); “how an adjective or adverb behaves,” and “[t]he prepositions or constructions that follow an adjective” (adjectives and adverbs). Regrettably, the Guide to the Dictionary has been deleted in LAAD2, and we cannot see what kind of information is included in grammar codes and patterns. Both grammar codes and patterns tend to avoid abbreviations (for example, relatives that start with wh are often symbolized as wh- while in LAAD2 they are spelled out as “who/what/how etc.”), which meets three of Lemmens and Wekker’s assumptions of successful grammar information in a dictionary: “a) The grammatical codes should be unambiguous and easy to use,” “c) A full inventory of grammatical codes should be given at the entries or subentries themselves,” and “f) the coded grammatical information should be as explicit and complete as possible” (1986: 99–100).

Compared with LAAD1, the number of grammar codes displayed in the table has declined from 25 to 16. This is because in LAAD1 the combination of a word and prepositions, participles, infinitives and so on were shown as grammar codes (in square brackets) while in LAAD2
such information is presented without brackets as patterns; i.e. ten
grammar codes listed in the table in LAAD1 became patterns.

Another difference between LAAD1 and LAAD2 is that grammar
codes [I], [T], and [I, T] in phrasal verbs have been omitted in LAAD2.
Contrary to this change, phrasal verbs such as ran out and found out
remain as part of the examples of [I] and [T], respectively, in the table
for “Grammar Codes” on p. 1851.

Dohi et al. (2002) point out that some grammar codes used in LAAD1
are not found in the table of grammar codes or are only explained in the
Guide to the Dictionary, which also happens in LAAD2. Here is a list of
grammar codes missing in the tables of LAAD1 and LAAD2 (an aster-
isk indicates that the grammar code is not in LAAD1):

- [at the end of a sentence or clause, or after the subject of a sen-
tence] (too 2)
- [comparative of “badly”] (worse\(^3\) adv.)
- in adjectives (–iform)
- in adverbs (–ly 1)
- in negatives (resist 1)
- in nouns (–er 2)
- in questions (yet\(^1\) adv. 1)
- in statements expressing possibility (anyone, anything)
- in verbs (–ify)
- not usually in passive (have\(^2\) v.)
- not usually in questions or negatives (something\(^1\) pron.)
- not with the (god 1)
- objective form of “she” (her\(^2\) pron.)
- only after verb (out\(^1\) adv.)
- possessive form of “he” (his)
- possessive form of “I” (my\(^1\) possessive adj.)
- possessive form of “it” (its)
- possessive form of “she” (her\(^1\) possessive adj.)
- possessive form of “they” (their, theirs)
- possessive form of “we” (our, ours)

This shows that grammar codes are used and multiplied without specific
limitations.

The phrase “reflexive form of X” seems to be used unsystematically;
myself, yourself, and themselves have this phrase as a grammar
code, while under the entries for himself, herself, itself, and our-
several, the phrase appears as part of the definition, for example: 1 the
REFLEXIVE form of “we” (ourselves). LAAD2 presents this explanation
rather inconsistently, and both LAAD1 and LAAD2 use “objective
form of X” under the entries for some pronouns in its objective case,
while the explanation “possessive form of X” is used systematically in
both editions. Ichikawa et al. (2005: 49) suggest that a piece of informa-
tion indicated by “orphan notes” (notes used for only one word) “should be presented in the form of a usage note”. Since the codes [reflexive form of X] and [possessive form of X] are doubtlessly orphan notes, the information should be displayed as that in ourselves, not as a grammar code.

6.2. Language Notes

6.2.1. Topics in LAAD1 and LAAD2

Between the “I” and “J” sections of LAAD2 lays the article named “Language Notes.” The middle matter is more conveniently located than in LAAD1, where the middle matter appears between entries, i.e. marmalade and marmoreal. The table of contents was included in the contents of the dictionary in LAAD1 while it has been moved at the beginning of the middle matter in LAAD2. Pages of the Notes are numbered as A1, A2, and so on and trimmed with pink, which clearly differentiates them make users clearly see that these pages are different from the main body of the dictionary in LAAD2. Most of the Language Notes are about two pages in length. There are two changes that may simplify access to the desired information. Firstly, in LAAD1 when a Language Note ends in the middle of a page, the next one begins below the former Note; however in LAAD2 every Note starts at the top of the page. Secondly, the body of the Language Notes is in color: the title of language notes are printed in bold, pink gothic letters on a green rectangular background placed at the top of the first page of the notes, and signposts are printed in bold blue letters; Examples are printed in black on a yellow background, and if a signpost has sub-signposts, they are printed in pink.

Compared with LAAD1, the contents of the language notes have increased, which facilitates access to the information that users need. In both editions, the following articles are provided:

“Prepositions,” “Words followed by prepositions,” “Intensifying adjectives,” “Idioms,” “Modal verbs,” “Make and Do,” “Articles,” “Collocations,” and “Synonyms” [LAAD1]


All of the articles in LAAD1 also appear in LAAD2 and one new article, “Word Formation”, has been added. Considering that LAAD2 gives importance to thesauri (see Sections 7.1. and 7.5.), it was to be expected that “synonyms” and other notes that may broaden users’ vocabulary appear in the first part of the language notes.

Some of the descriptions have been rewritten and some explanations added to make the notes more understandable. For example, in the note “Words Followed by Prepositions,” blanket explanations such as “[s]ome words are followed by different prepositions that have the same meaning” and “[s]ome words can be used with prepositions in one meaning and without them in another meaning,” have been added at the beginning of each item. Many examples have also changed; some words have been replaced by easier words (from balk to slip! v. in “Words Followed by Prepositions”), and potentially offensive terms have been deleted: “(as) blind as a bat” and “(as) mad as a hatter” have been replaced with “sleep like a baby” in “Idioms,” and “if they are too thin in a way that looks ugly, scrawny” has been changed to “if they are thin in a healthy-looking way, lean” in “Synonyms.”

6.2.2. The content of Language Notes in LAAD1 and LAAD2

6.2.2.1. Synonyms

The language note for synonyms is a page long in LAAD2, half a page shorter than in LAAD1, because in almost every section one or two examples have been deleted. This deletion, however, becomes problematic in the heading “Sometimes the words have a different register.” The following situation may mislead students into thinking that the “register” covers only one group of labels if they are not familiar with the concept, particularly because “register” is not included in “Words Used in the Definitions in this Dictionary” (pp. 1852–60).

LAAD1 presents five types of register labels (formal, humorous, impolite, informal, and literary) while LAAD2 shows only two types (formal and
and the tables of labels divide labels into five groups (attitude, type of language, subject areas, varieties of English, and offensive; see section 5.3) while formal and informal are in the same group (attitude).

6.2.2. Collocations

This section offers a definition of “collocation” at the beginning in LAAD1 and LAAD2. It has two subsections, common set collocations and collocating prepositions, both of which provide examples with a part of entries and explanations. The summary has been moved from the second example to the first and as in “Synonyms,” one example “admiration (for)” is omitted so that the language note fits into one page. On the whole few changes have been made.

6.2.2.3. Make and Do

This two-page long section shows which nouns can be used with make, do, give, etc. In LAAD2 this section has boxes with a yellow background in which nouns appear in blue under the heading of make, do, give, etc. The heading Using Different Collocating Verbs for the Same Noun is newly added, but this information does not seem necessary for two reasons: collocation is explained in the previous section (see 6.2.2.2.); the word collocation is not in The Longman American Defining Vocabulary (pp. 1852–1860) and using it without explanation may perplex users.

Regrettably, not all of the collocations are shown under the noun entries. The nouns that does not show the collocation either in the entry or in examples are: make an estimate, make a meal, prepare a meal, make a movement, do the housework, give information, perform a piece of music, play a CD, play a cassette, play a tape, and play a tune.

6.2.2.4. Intensifying Adjectives

This section is two pages long and shows which adjectives can be used with intensifying adjectives. The same adjectives are treated in LAAD1 and LAAD2: great, total, big, large, deep, heavy, high, and strong. A few examples have been omitted.

6.2.2.5. Idioms

This section gives a definition and characteristics of idioms. In LAAD2 the following have been removed so that the section fits into two pages: the explanation that idioms can have a literal meaning in which a case the words in the phrase can be changed, while if the idiom is figurative they cannot, as well as the description that “[s]omeone can usually be replaced by other nouns or pronouns” and the corresponding examples.

LDOCE4 introduces the concept of a metaphor under “Idioms” in the Language Notes (p. 976), unlike LAAD1 and LAAD2; the explanations are almost the same in both editions. On the other hand, many of the examples have been changed. As we mentioned in Section 6.2.1., (as) blind as a bat and (as) mad as a hatter may have been replaced due to their potential interpretation as discriminatory.

To find idioms, the reader is advised to “[l]ook them up at the entry for the first main word in the idiom,” but this does not apply to all of the entries. For example, the idiom “turn your back (on sb)” is found under the entry of back2 n., not at turn1 v., and “raise eyebrows” is under eyebrow, not raise1 v. Moreover, the entries of the first word (turn1 v. and raise1 v.) make no reference to the idioms, which may lead users mistakenly think their phrase is not an idiom.

6.2.2.6. Prepositions

This section is two pages long and begins with a definition in LAAD1 and LAAD2. Prepositions are explained under four settings: “Where are Prepositions Used?”, “What Do Prepositions Mean?”, “Prepositions in Set Phrases,” and “Word Order.” “Word Order” refers to preposition stranding and both LAAD1 and LAAD2 accept it, especially in spoken English. In LAAD1 the subsection “Idioms and typical collocations” lacks an explanation of idioms, but in LAAD2 it has been added.

6.2.2.7. Words Followed by Prepositions

Here, LAAD1 gives a summary of all subsections (“Prepositions with
Nouns," "Prepositions with Verbs," and "Prepositions with Adjectives"), while in LAAD2 the summaries are found at the beginning of each separate subsection.

The choice of preposition with bias n. explained in the subsection "Preposition with Nouns" has been changed; LAAD1 groups together against, toward, and in favor of together while LAAD2 separates against from the other two.

**bias 1** . . . [+ against/toward/in favor of] Investigators found a pattern of bias against women and minorities among police officers. This entry shows you that in its first meaning, bias can be used with either against, toward, or in favor of. The choice of preposition will depend on the meaning of the sentence in which the word is used. [LAAD1]

bias 1 . . . +against the newspaper's bias against women | +toward/in favor of The management has shown a bias in favor of younger employees.

The entry shows you that toward and in favor of are similar in meaning, while against has a separate example because it has a different meaning. The choice of preposition will thus depend on the meaning of the sentence in which the word is used. [LAAD2]

6.2.2.8. Phrasal Verbs

As we mentioned in Section 6.1.3, LAAD1 uses the grammar codes [I] and [T] for phrasal verbs while LAAD2 does not. Accordingly, the description of transitive and intransitive verbs (subsection "With or Without an Object?") has also been changed; LAAD2 indicates that a phrasal verb can be followed by an object by including objects within the phrasal verb structure, e.g. "grow out of sth."

In LAAD2 the subsection "Position of the Object" explains how to decipher grammatical information about phrasal verbs in their entries. An arrow (←.) is used to show that a direct object can be inserted between the verb and the particle in the case of separable phrasal verbs.

The use of an arrow is taken from LAAD1. Unlike in LDOCE4, phrasal verbs that require an object between the verb and the particle are not signaled explicitly in LAAD2, e.g. the language note on phrasal verbs in LDOCE4 shows that get down must have an object between the verb and the participle by placing sb in between as the object. In LAAD2 a similar system is used, but without explanation.

6.2.2.9. Modal Verbs

Modal verbs are grouped into ten categories by meaning: "prediction of future events" (will), "personal intention, willingness, wish" (will, would, and shall), "ability" (can and could), "permission" (can, could, and may), "unreality, hypothesis" (would), "possibility" (can, could, may, and might), "probability" (ought to and should), "certainty" (can't, couldn't, must, and would), "obligation, requirement" (have to and must), and "desirability" (ought to and should). Each group is placed in square box with a yellow background in LAAD2. This grouping is exactly the same as that in LAAD1. The signpost is on in the upper left side, examples are under the signpost, and explanations are on the right side of the box. These boxes are followed by information on the grammatical behavior of modal verbs such as inflection. The table of irregular verbs (pp. 1845–1849) tells users that the inflection of modal verbs appear under each dictionary entry, but considering that the dictionary entries of modal verbs rarely display their inflections, the table had better warn users to read the language note on "Modal Verbs" (see also Section 6.1.2.).

6.2.2.10. Word Formation

The note "Word Formation" is a new feature that teaches users the meaning of several suffixes and prefixes and the parts of speech to which they can be added. This section has five subsections: Verb Formation (-ify and -ize), Adverb Formation (-ly), Noun Formation (-ation, -er, -ity, -ment, -ness, and -ty), Adjective Formation (-able, -ful, -ic, -ical, -less, and -y), and Opposites (de-, dis-, in-/im-/il-/ir-, non-, and un-). This kind of information is shown at the tables in the end of
LAAD1 (pp. 1685–86) and in the “Word Formation” note of un-, but moving such information to the middle matter would make this useful information easier to find.

6.2.2.11. Article
This section is three pages long in LAAD1 and LAAD2, the longest in the Language Notes. It covers two topics: countable and uncountable (use of a/an) and definite and indefinite (use of the and a/an). A noun which is always preceded by the is shown by (1) an entry followed by the, as in “Andes, the,” (2) a noun with the in bold next to the entry, as in “Big Apple n. INFORMAL the Big Apple a name for New York City.” If the is used to a particular sense, the noun preceded by the appears in bold next to the number of the sense, such as “sun n. 1 the sun the large bright yellow circular object . . . .” If a noun is never preceded by the, it is shown in the grammar code, as “god 1 God [singular, not with the]”. The note refers to the latter two cases but does not mention the differences between nouns that have the in the entry and those whose entry is followed by “the + noun.”

6.3. Summary
The principles of displaying inflections have not changed from LAAD1; the inflections of irregular verbs are shown while those of modal verbs, be, and items used in British English are neglected. The coding systems have undergone some changes, but two problems remain: not all grammar codes are listed in the table and that the number of codes have been increased randomly. The language notes are now of higher quality, but some explanations under “Synonyms” and “Idioms” could be improved further. In “Synonyms,” an unfamiliar word, register, is used twice to explain an important concept, while in “Idioms,” the descriptions and their display are inconsistent. These issues may detract from the usefulness of the notes.

7. Four types of notes
7.1. Overview
There are four types of usage notes in LAAD2: “Grammar,” “Thesaurus,” “Usage,” and “Word Choice.” The types of notes have much decreased compared with LAAD1, which has eleven types. This is mainly because “usage” covers a broad range of categories, from spelling to politeness. Fewer kinds of notes help users understand the differences more easily while including varied topics may obscure the nature of the notes.

Table 1 Category and number of usage notes

<table>
<thead>
<tr>
<th>Category</th>
<th>LAAD1</th>
<th>LAAD2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Word Choice</td>
<td>190</td>
<td>88</td>
</tr>
<tr>
<td>Thesaurus</td>
<td>0</td>
<td>515</td>
</tr>
<tr>
<td>Grammar</td>
<td>83</td>
<td>65</td>
</tr>
<tr>
<td>Usage1)</td>
<td>33</td>
<td>27</td>
</tr>
<tr>
<td>the number of boxed panels</td>
<td>306</td>
<td>715</td>
</tr>
</tbody>
</table>

Table 1 shows that the proportion of each type in LAAD2 has changed from that in LAAD1. Most salient is the appearance of the “Thesaurus” note. Of the “Word Choice” notes in LAAD1, 72 notes (38%) have turned into the “Thesaurus” notes in LAAD2. Since only one “Usage” note, toilet, has been moved to the “Thesaurus,” the decline in the number of the notes under “Grammar” and “Usage” is due to deletion.

One of the most noticeable changes in LAAD2 is the design of the usage notes. In LAAD1, all usage notes under an entry are put in one box under the heading “USAGE NOTE: (word)” on a gray background, and each note is separated by the name of the usage notes in gothic capital letters. In LAAD2, each usage note has its own box, while usage notes of the same category are placed together. There is only one exception: do v., which has two “Usage” boxes. The “Thesaurus” box appears below the related sense while the other notes appear at the end (see Section 7.5.). Thanks to the full-color printing, the usage notes are more conspicuous; the “Grammar” boxes are rectangular and pink.
while those of other categories are rectangular and blue. This treatment probably draws users' attention and makes them read such boxes.

The explanations in these boxes have undergone various changes. First of all, the explanations are more refined and excessive presentations of mistakes (NOT . . . ) have been deleted. For example, in the section "Formality" in the "Usage Note" box under kindly¹ adv.: "so could you please . . . ? is better to use since it is more commonly used" is rewritten as "it is more common to say could you please . . . ?". Moreover, itemization of each compared word improves readability. Second of all, the abusive words in the boxes, if not their entire entries, have mostly been deleted. To draw a few examples, LAAD1 has a "Word Choice" box for the euphemisms of damn¹ interjection while in LAAD2 the entry itself is gone. In the case of god, LAAD1 has some explanations on exclamatory phrases such as "Oh (my) God!" and "Good God!", which LAAD2 does not. Last of all, sensory descriptions have been deleted or modified. The deleted sentences are, for example, "you may have to think whether they are the words you really need to express your meaning" (the "Word Choice" box at shock¹ n.) and "When you compare yet with already in a question, Have you eaten lunch yet? asks for information, while Have you eaten lunch already? may express surprise that lunch has already been eaten" (the "Word Choice" box at still¹ adv.). This attitude seems to clash with the notion that pragmatic information in EFL dictionaries has become more important than ever; as Ichikawa et al. (2005: 38) suggest, "... these pragmatic skills differ from culture to culture and information of this kind should be of use for learners of English from different cultural background" (see also Section 4.5).

7.2. Usage

The category "Usage" in LAAD2 tends to cover a much wider range of topics than in LAAD1: collocation, formal/informal, formality, plural forms, politeness, spelling, spoken-written, usage, and word formation. Also, four "Word Choice" notes, do² v., his¹ possessive adj., kind¹ n., and yes¹ adv., and two "Grammar" boxes, do² v. and down¹ adv., have turned to this category. On the one hand, the integration of similar categories such as "formal/informal" and "formality" and the deletion of types which have only one box make the dictionaries more lucid. On the other hand, putting too many topics under one category can make the nature of the category opaque; users may wonder what common feature the relationship between the spelling of really and the avoidance of ones in formal or written English is, both of which are explained in a "Usage" box. The dictionary might as well preserve some categories with comparatively high frequency such as "spelling" (7 times) and clarify what kind of topics the boxes deal with.

7.3. Grammar

There are no new "Grammar" notes. However, three notes have been deleted from LAAD1 (especially, marry, and number¹ n.): the box of especially refers to its position; the box under marry mentions use of prepositions; and the box under number¹ n. presents a few set phrases and their proper use. Because LAAD2 tends to avoid surplus information, as mentioned at the beginning of section 7, the reason for the deletion of these boxes may be that they are too specific or trivial and will confuse users.

Two articles in the "Grammar" box in LAAD1 (do² v. and down¹ adv.) are now in the "Usage" note, and another (than¹ conjunction) in the "Word Choice" note. The difference between the "Word Choice" and "Grammar" notes can be seen in the boxes under also in LAAD2:

<table>
<thead>
<tr>
<th>WORD CHOICE</th>
<th>also, too, as well, either, neither</th>
</tr>
</thead>
<tbody>
<tr>
<td>- When you want to say that something exists or happens in addition to something else, too and also are more common than as well in informal and spoken English. In a formal article you might see: The company manufactures beauty products and markets pharmaceuticals as well. . . .</td>
<td></td>
</tr>
</tbody>
</table>
also, too, as well

- Also usually comes before the main verb: The college also has a new swimming pool (NOT The college has also a new swimming pool). I Brad can also play the guitar (NOT usually Brad also can play the guitar). I Many people were working full-time and also going to night school. Also usually follows the verb be where it is used alone as a main verb: Seattle is also a very nice city.
- Too and as well are not used at the beginning of a sentence, but also may be used at the beginning of a sentence, especially in speech and informal writing.

The “Word Choice” note distinguishes synonyms by meaning, while the “Grammar” note explains how to use each word correctly. As for the note under than1 conjunction, which is “Grammar” in LAAD1 but “Word Choice” in LAAD2, it explains which case should be used after as and than:

as, than

In spoken and informal English, many people use object pronouns such as “me,” “him” etc. after than: Doris is older than me. Many teachers think this is incorrect. They say that the form of the pronoun that follows than should depend on whether it is the subject or object of a verb (even when the verb is not there): Doris is older than I (= than I am). I The news upset my wife more than me (= than it upset me). In informal speech, we often use object pronouns such as “me,” “her,” “him” etc. before words like as, than, and be when making comparisons: He’s a lot older than her. . . .

This is essentially a grammatical note in nature, and should remain under a “Grammar” note rather than in a “Word Choice” note.

7.4. Word Choice

A “Word Choice” note has been added under man1 n., which provides information on political correctness. However, eight boxes were deleted (damn1 interjection, fit1 v., gift1 n., know1 v., life1 n., propose, raise1 v., and thief). The entry for damn1 has been deleted along with its word choice notes. As for the other notes, they may have been deleted because their contents were judged too trivial to mention. To take one example, the grammar note of life1 n. presents several collocations, such as “living conditions” and “quality of life.” Although this kind of information is useful, these explanations take up too much space and contain confusing descriptions “NOT . . . .” It makes sense that in LAAD2 these explanations have been removed.

If a word is explained under a “Word Choice” note, a reference “→ see Word Choice box at (word)” is put at the end of the entry. If the note is related to only one sense of the word, it appears at the end of the sense.7) But sometimes this reference is missing. For example, the “Word Choice” box under common2 n. compares common2 to general2 n., but in the entry for general2 no reference is made to this box. Such inconsistency in cross-referencing is also seen in other features such as illustrations (see Section 9).8)

(Sections 7.1.–7.4. Nonomiya)

7.5. Thesaurus

The “Thesaurus” is one of the new articles in LAAD2. The articles which deal with synonyms were arranged (with other kinds of usage notes) under the “Word Choice” heading in LAAD1. LAAD2 divides this category into “Word Choice” and “Thesaurus.” The distinction between these categories in LAAD2 can be well understood when we look at those articles under act and action.
**act** and **action**

Act is always countable, but action can be uncountable: a thoughtful act | a series of quick actions | What we need now is quick action. Use act in some set phrases when it means a particular type of action: an act of kindness | She was caught in the act of (NOT in the action of) stealing the money.

**action**

2 SOMETHING DONE [C] something that someone does: ...
WORD CHOICE: beautiful, pretty, handsome, good-looking, attractive, sexy

Beautiful and pretty can be used about women, children, and things, but not usually about men, unless you want to suggest that they have female features: ... Beautiful is the strongest word to describe a very attractive appearance. It suggests that someone has almost perfect good looks. Pretty means good-looking in a more ordinary way, but not really beautiful. Handsome is not common in spoken English. It is usually used to describe men, especially if they have the strong features that men in romantic stories are supposed to have.

On the other hand, LAAD2 almost always places them at the end of each definition which explains the meaning common to the set of synonyms. Consider the example below:

hit
1 STRIKE [I,T] to touch someone or something hard and quickly with your hand, a stick etc.: ...

strike FORMAL to hit someone or something very hard: ...
punch to hit someone hard with your closed hand, especially in a fight: ...
slap to hit someone with the flat part of your hand, especially because you are angry with them: ...

2 CRASH into SB/STH [T] to fall or crash into someone or something quickly and hard: ...

bump to hit or knock against something, especially by accident: ...
collide to crash violently into something or someone: ...
bang to hit a part of your body against something by accident: ...

SYNONYMS

choose
The words all mean to decide which thing or person you want out of the ones that are available.

select [often passive] to choose sb/sth, usually carefully, from a group of people or things: ...

pick to choose something or someone from a group of people or things: ...

It saves considerable space, but some users may fail to understand the differences between the meanings of the headwords and the other words described in the articles. Users need to have the knowledge about
hyponyms and superordinate words, or "the basic level categorization" (Taylor 1995), and moreover they need to know which word is the superordinate word in the relevant set of synonyms beforehand, because when the headword of an entry is superordinate to the rest of synonyms, the description of the headword is almost always omitted without any notations. This is a serious disadvantage for learners, and the editors should at least explain it, and give some space to the basic knowledge of lexicology somewhere in the dictionary.

A third point concerns the style of description. "Word Choice" articles in LAAD1 describe differences in meanings in several sentences. In many "Thesaurus" articles in LAAD2, however, this kind of description is absent and the meanings of the synonymous words are simply listed in those articles. Compare the articles at happen in LAAD1 and LAAD2:

**WORD CHOICE: happen, occur, take place, happen to**

Use happen especially to talk about past or future events that are accidents or that cannot be planned: ... Occur is more formal, and is used to talk about a specific event that has already happened: ... Use take place to talk about a planned event: ...

[LAAD1]

happen mainly used to talk about things that have not been planned: ... take place mainly used to talk about events that have been planned or that have already happened: ... occur FORMAL used especially to say that something happens in a particular place or situation: ...

[LAAD2]

LAAD2 apparently aims at clarity of description, and it may also contribute to space-saving. The editors, however, should consider which the more user-friendly manner is by conducting user studies.

As shown in Section 10, our user study clearly indicates that, with respect to the articles under choose and poor in LAAD2 and OALD7, the majority of participants prefer the style of OALD7. On the other hand, the participants prefer the style of LAAD2 when more than one article is placed at an entry of a polysemous word. It may be because the users tend to read each definition carefully when they find several “Thesaurus” articles under one entry. Therefore, the description of the headwords, especially those with general meanings, should be placed at the beginning of each article at the cost of redundancy.

"Thesaurus" articles in LAAD2 have increased in number and achieved additional clearness. Sometimes, however, it is at the cost of user-friendliness.

(Section 7.5. Ryu)

8. Etymology

As stated in Komuro et al. (2006), articles dealing with etymologies had not been popular in EFL dictionaries. In the last decade, however, OALD6 introduced the "Word Origin" articles, and the CD-ROM edition of OALD7 (henceforth OALD7-CD) extensively describes the etymologies of many lexical items. On the other hand, LAAD introduced this kind of article for the first time in its second edition.

The aim of introducing this kind of article into EFL dictionaries has not been clearly explained by the publishers, but it is arguably a trend among publishers of both monolingual and bilingual EFL dictionaries. Nevertheless, Komuro et al. (2006) indicate, based on their user study, that most university students are not particularly interested in etymology. Our user study supports this observation (see Section 10). Thus, if etymology is to be treated in EFL dictionaries, articles should have pedagogical or other kind of advantage, a point we will consider in this section.

Before discussing the main point, we will survey the characteristics of the relevant articles in LAAD2. We have counted 171 etymology articles in the sample pages (eight percent). These articles can be categorized into...
eight types according to origin and date of the lexical items discussed:

(1) The lexical items of native origin
(2) The lexical items of Old Norse origin
(3) The lexical items of French origin
   (a) which were introduced into English before 1300
   (b) which were introduced into English from 1300 to 1500
   (c) which were introduced into English after 1500
(4) The lexical items of Latin origin
   (a) which were introduced directly into English before 1100
   (b) which were introduced into English through (Old) French
      from 1100
   (c) which were introduced directly into English after 1100
(5) The lexical items of Greek origin
(6) The lexical items of other origins
(7) The lexical items created with existing morphemes, derived from existing words, or transferred from proper nouns
(8) the lexical items of onomatopoeic origins

These categories have meanings in the history of the English language. Category (1) and (2) do not require explanation. Category (3) includes those items borrowed from French, which are further classified by the period during which they were borrowed; the lexical items of (3a) type were borrowed when the influence of Anglo-Norman was strong in the English language; the items of (3b) type were introduced when the influence of Central French was strong; and those of (3c) type were introduced after the Renaissance. Category (4) consists of items borrowed from Latin: the lexical items of (4a) type were borrowed during the Roman Britain era; the items of (4b) type do not need further explanation; the items of (4c) type were introduced mainly during the Renaissance. Category (5), (6), and (8) do not need any explanation. Category (7) includes those created by connecting existing morphemes, those derived from other lexical items, or those transferred from proper nouns. Many of the lexical items in category (7) were created during and after the period of Modern English.

The analysis is shown in Table 8.1. With respect to the printed edition, the majority of the items are of French and Latin origin. Especially abundant are the items of type (3b) and (4b), namely, those lexical items which are of Latin origin and introduced into English through (Old) French.

Table 8.1 Classification of the etymology articles in LAAD2 and LAAD2-CD

<table>
<thead>
<tr>
<th>Printed edition</th>
<th>Category</th>
<th>Total</th>
<th>2</th>
<th>3a</th>
<th>3b</th>
<th>3c</th>
<th>4a</th>
<th>4b</th>
<th>4c</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td>33</td>
<td>4</td>
<td>19</td>
<td>35</td>
<td>18</td>
<td>1</td>
<td>52</td>
<td>25</td>
<td>25</td>
<td>9</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(19.3%)(2.3%)(11.1%)(20.5%)(10.3%)(0.6%)(50.4%)(14.6%)(8.2%)(14.6%)(5.3%)(1.2%)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>CD-ROM edition</td>
<td></td>
<td></td>
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<tr>
<td>Total</td>
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<td>72</td>
<td>12</td>
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<td>103</td>
<td>40</td>
<td>75</td>
<td>91</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(12.7%)(2.3%)(6.5%)(13.7%)(11.4%)(1.1%)(19.6%)(19.6%)(7.6%)(14.3%)(17.7%)(1.7%)</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD/Printed</td>
<td></td>
<td>2.18</td>
<td>3.00</td>
<td>1.79</td>
<td>2.06</td>
<td>3.33</td>
<td>6.00</td>
<td>1.96</td>
<td>4.12</td>
<td>2.36</td>
<td>3.00</td>
<td>10.33</td>
<td>4.50</td>
</tr>
</tbody>
</table>

On the other hand, the CD-ROM edition contains three times as many “Origin” articles as the printed edition (526 articles); no articles are included only in the printed edition. When we focus on the articles that appear only in the CD-ROM edition, the aim of the editors becomes clear: they mainly add the entries of type (3b) and (4b) in the printed edition, which led them to supplement the rest in the CD-ROM.

The main defect of these “Origin” articles consists in the macro structure of LAAD2. LAAD2 treats cognates of the same form as homonyms: for example, love (noun) and love (verb) are given separate entries. Therefore there is the problem of where the “Origin” articles should be placed. Technically, they should be placed at the entry of the “older” lexical items. The editors, however, often seem to have neglected this point, as placement is haphazard. Furthermore, this causes a serious problem in the CD-ROM edition: the LAAD2 CD-ROM (referred to as “Longman Academic e-Tutor,” henceforth LAAD2-CD) shows the “Origin” articles with a click of “etymology” icon, so users end their consultation without noticing the etymological information if they fail to click on the icons.
To make matters worse, the authors of these “Origin” articles do not seem to have communicated well with the other authors. Often, cross-references in the “Origin” articles are imperfect. Look at the image below.

When users click the “etymology” icon at blaze¹, the “Origin” article of blaze³ appears. In this article, a reference is made to the seventh definition of blaze¹, but there is no such definition either in LAAD2 or LAAD2-CD. In addition, the description of this article in LAAD2-CD differs from that in LAAD2:

**blaze³**

[Origin: (1–5) Old English blaese torch]

Another defect is rather minor but it can cause trouble for users: the abbreviation of the description. The printed edition sometimes abbreviates “from” before the names of the languages from which the entry words are borrowed, and uses commas to mark them off. Furthermore, LAAD2-CD almost always omits these commas. For example, compare the descriptions of parent between LAAD2 and LAAD2-CD:

parent

[Origin: 1400–1500 Old French, Latin, present participle of parere to give birth to]

parent

Those users with insufficient knowledge of etymology might wonder whether “Old French Latin” is one language or two, especially if they happen to know that “American Spanish” is a language that appears under the entry for Latino, “Scottish Gaelic” under plaid, and “Canadian French” under shanty. Besides, the articles that appear only in LAAD2-CD often omit the date and the detailed explication of the origin. It might be because the authors followed the descriptions of the Oxford Dictionary of English Etymology, one of the most reliable. Compare the descriptions of -ion and parlous:

- **ion**
  Old French Latin -io [LAAD2-CD]
  suffix repr. (O)F. -ion -L. -io(n-), . . . [Oxford Dictionary of English Etymology]

- **parlous**
  1300–1400 perilous [LAAD2-CD]
exposed to danger XIV; dangerously cunning XV. ME. perlous, parlous, syncopated form of perelous, parelous PERILOUS. [Oxford Dictionary of English Etymology]

From a pedagogical point of view, LAAD2's policy raises some points of argument about the editing of "etymology" articles. LAAD2 is different from OALD7-CD in several points:

(1) OALD7-CD indicates the date of the lexical items by century or technical terms such as "Old English," "Middle English," and "Modern English," while LAAD2 gives date by centurial year (for example 1200-1300), though LAAD2 uses the term "Old English" to refer to the lexical items of native origin.

(2) OALD7-CD describes the history of the relevant lexical item in a narrative style, while LAAD2 adopts a simpler style, using the formulaic phrase "from . . ." and changing the fonts to differentiate forms, meanings, and names of languages. Nevertheless, LAAD2 never uses the symbol <, —, or <->, which are familiar to etymologists.

It is difficult to decide which policy is better. Our user study shows that LAAD2's style is preferred to that of OALD7. However, it may depend on participants' knowledge.

We may conclude that the "Origin" articles of LAAD2 have a brief style and are easy to understand for experts in etymology, and the editors' efforts to include as many articles as possible in the printed edition should be appreciated. However, some articles are confusing due to their brevity, so if this style is adopted, learners should be provided with a basic knowledge of etymology and English history.

(Ryu)

9. Pictorial illustrations

The pictorial illustrations in LAAD2 proved to be unpopular among the participants in our user study. This indicates that there is much room for improvement in them (see also Section 10.).

LAAD2 has 48 fewer illustrations than LAAD1. This gives the impression that rather large illustrations with concise explanations (e.g. digestive system) have increased, so there is not enough room for more illustrations. The number of illustrations for nouns has increased by 13, but the number for adjectives and verbs has decreased by 8 and 51 items respectively. The illustrations for prepositions remain unchanged. The 3 illustrations for adverbs in LAAD1 have all been removed.

It is unclear what standard has been used in deciding which entries need illustrations. There are more photographs in LAAD2, and 43 items that had drawings in LAAD1 now have photographs. However, the photographs are not always helpful. Ichikawa et al. (2005: 68) point out the problem of photographs: users may not be able to see clearly which object in the photograph is in the focus while "with drawings . . . the surrounding can be made anonymous by obscuring them". This problem is true of several photographs in LAAD2. For example, in the photograph of Ali there are two boxers and uninformed users cannot see which one is Ali.

LAAD2 has a cross-reference system for synonyms and antonyms, e.g. dull "see picture at sharp", clog, slipper, thong "see picture at shoe", which is helpful, but cross-references are not given consistently, which reduces the usefulness of the illustrations. To take one example, although the fourth sense of fork n. clearly states that it is a part of a bicycle and there is a fork in the corresponding illustration, the entry has no reference to the illustration.

There are many illustrations which take a great deal of space but do not seem to be helpful. One reason is that there is too much information in the illustration, and it is too specific and too difficult to understand. In the illustration of the Digestive system on page 444, for example, which takes up about half a page, one can see 26 words which are not listed in the defining vocabulary, (i.e. absorb, acidic, alkaline, amylase, bacteria, breakdown, content, droplet, duct, enzyme, expel, gut, hydrochloric, initial, lipid, lump, moisten, neutralize, protein, release, saliva, se-
crete, soluble, sphincter, starch, and tiny). It is doubtful that a general user, or even an advanced learner, would know these words, and it is inconvenient to look them up while reading the explanation. To make matters worse, in the CD-ROM the size of the illustrations has become more or less the same; the illustrations with long explanations have been shrunken and the words have become too small to read.

Such pictures usually occupy too much space, up to 1/3 or 1/4 of a page; consequently, they are moved to the subsequent page. In all such cases, a note saying that the illustration is on the next page is needed, and there are entries which do have such notes. For example, food web, photosynthesis, purification, and volcano have the note “→ see picture on p. X”. However, digestive system, ecosystem, and erosion do not, and the user may not find the illustrations. Purification is on the left page, while the illustration is on the right page. Here, there is a note saying that the illustration is on the next page, although this is obvious. On the other hand, baseball, laboratory, skeleton1 n., and skin1 n., which also have illustrations on the facing pages, do not have notes. There is also an inconsistency in the format of the page references: “→ see picture on page 626” (food web); “→ see picture on p 1186” (photosynthesis, volcano); and “→ see picture on p. 1281” (purification).

The dictionary uses a great deal of space to explain the process of volcano generating, or to show the names of the inner structures of the human lung. It is doubtful that the general reader would need such detailed information. The least successful illustration is that of rock1 n.; it has the caption “rock cycle” and shows how a rock is formed and how it turns into particles, which seems unnecessary. As the total number of illustrations has been reduced, it would be more reasonable to increase the amount of simple pictures rather than of detailed illustrations likely to be overlooked due to incomplete cross-referencing.

The dictionary also has a section of full-page illustrations printed in full color. In LAAD1 these illustrations appear between down4 v. and down5 n. and between shiver1 v. and shiver2 n. while in LAAD2 they appear between “I” and “J” sections, after “Language Notes” (for Language Notes see Section 6.2.). LAAD2 has fourteen topics with full-page illustrations while LAAD1 has sixteen. The topics common to LAAD1 and LAAD2 are American Business and Industry, American Landscapes, American Pioneers, Did you Know?, Extreme Sports, Map of the U.S.A., Native Animals and Birds of America, Severe Weather, Verbs in the Kitchen. Newly added topics are American Artists, Fruits and Vegetables, and Verbs of Movement. Topics that have been dropped are American Homes, Changing Shape, Dream Bedroom, Map of the World, and Youth and Recreation. The Automobile has turned to The Car; Important American Events in the Twentieth Century to Important Events in the Twentieth and Twenty-first Centuries. American Events has been changed to Events, though it deals only with American events.

In the full-page illustration section, again cross-referencing is unsatisfactory. There are references (from the entries) to items which are dealt with in full-page illustrations, but not for all entries. For example, windshield and steering wheel, shown in The Car, are referred to in the entries, but there is no reference in the entry for car. The same is true for Fruits and Vegetables, to which there is no reference in the entry for vegetable. Also there is no reference to the page of Extreme Sports (A29) in either the entry for extreme sports or each sport that appears on the “Extreme Sports” page. As for snowboarding, similar photographs appear in both the entry and the “Extreme Sports” page.

(Okani and Nonomiya)
110–139)), and the one concerning two business English dictionaries, namely, _LBED_ and _OBED_ (US-BEDs, conducted in 2006–07 and reported in Kanazashi (2008)).

As the headwords, definitions, and examples in _LAAD2_ are not substantially different from those in _LAAD1_, we have decided that it would not be worthwhile to conduct a study similar to _US-LAAD1_. By focusing on the entries for adjectives, the written test in _US-LAAD1_ was intended to judge the usefulness of grammar codes and labels in the entries in _LAAD1_, _LDELC2_, _OALD5_, and _OALD6_. The results suggest, among other things, that important information preferably be placed near the beginning of an entry and conveyed by a fully spelled word, and that a grammar label is more transparent when it is explained in simple words than when it is shown as an abbreviated grammatical term (Dohi et al. 2002: 74). By presenting to the participants the entries for an adjective, verbs and a phrasal verb in _LAAD1_, _LDOCE2_, and _COBUILD3_, the comparison task in _US-LAAD1_ provides strong empirical evidence to the widely known claim that users will only refer to the beginning of a long entry, which Tono (1984) conclusively proves in his user study concerning English-Japanese dictionaries. The principal purpose of the present study is not to replicate what _US-LAAD1_ found about users' receptive skills but rather to uncover some more facts about their productive skills. Thus, we have devised a task where-in the participants have to write English sentences with the help of _LAAD2_ and other dictionaries.

10.2. Four parts of the user study

The present study comprises four parts. Part 1 is a questionnaire survey, which is a useful way of taking a quick sample of users' opinions. We used the same questionnaire format as those used in _US-LDOCE4_ and _US-OALD7_.

The participants faced a composition task in Part 2, where they were presented with nine Japanese sentences, each with a target word, and asked to translate part of the sentences into English using that target word. In doing so, they were only permitted to refer to a dictionary that we had previously specified. The target words were all verbs, and the participants had to decide whether a particular verb should be used in the active or passive tense, and what complement should follow the verb, in the context provided in Japanese.

This composition task was designed to complement the task in _US-LAAD1_, which aimed to investigate facts about users' receptive needs and skills. The participants in the present study, which aims to test their productive skills, had to read the definitions and examples under the entry for verbs and fill in the blanks with the specified verbs and appropriate complements.

This task also aims to be an improved version of _US-LAAD1_’s small-scale task that tested users' productive skills, because the latter was rather artificial because it presented the participants with many adjectives in a row, and its results were not very reliable since it is difficult to ascertain whether the participants gave a correct answer because they successfully looked something up or because of previous knowledge.

Part of this composition task is based on Bogaards and van der Kloot (2001). The reasons for the partial reproduction are (1) that we aim to obtain more accurate data by measuring the time spent by the researcher, rather than the participants themselves, as do Bogaards and van der Kloot (2001), and (2) that it may be of some interest to compare the results provided by their Dutch and our Japanese participants. The questions in Parts 1 and 2 were prepared in Japanese, and the English versions are reproduced in Appendices 1 and 2, respectively.

As Part 3 of the study, the participants were asked to evaluate the usefulness of the following 11 features by ranking them in order of importance:

(1) the geographical label, (2) the style label, (3) the subject label, (4) the “Origin” note, (5) the “Grammar” article, (6) the “Thesaurus” article, (7) the “Word Choice” article, (8) the colored pictorial illustration and black-and-white picture attached to some entries, (9) the full-page illustrations section, (10) the “Writing Guide” sec-
Features (9) to (11) are the middle matter. The participants were also asked which of the 11 features they would like to see in a new EFL dictionary if they were to compile one.

Part 4 is a comparison task in which the participants were presented with the entry for the same word in two or three dictionaries, and were asked to judge which among these they found more useful. The entries for comparison in Part 4 are reproduced in Appendix 3, but these reproductions are not what the participants saw in the study. They were presented with the items in the actual dictionaries, except for Items (1), (4), and (7), in which the relevant information in OALD7-CD was reproduced on paper and presented to the participants.

10.3. Participants in the study

A total of 116 people participated in the user study at universities in Japan, of whom 29 were interviewed (thus referred to as Group Intv), either one-on-one or in a small group, and the other 87 students simply faced Parts 1 and 2 as part of an in-class activity (referred to as Group Cl). They have been divided based on their proficiency in English. Of the 29 we interviewed, 7 were English teachers, of whom 2 were Americans whose first language is English (whom we have designated as Group E) and 5 were Japanese (Group T); 13 were Japanese students majoring in English (Group M) and 9 were non-English majors, including 4 Japanese and 2 Chinese people, 2 Koreans, and 1 Ukrainian. Among the 9 non-English majors, international students turned out to be more advanced in using monolingual English dictionaries than the 4 Japanese. Thus, the former are designated as Group A, and the latter 4 Japanese as Group N. This is a snowball sampling.

10.4. Results of Part 1: Questionnaire survey

The results of the questionnaire survey can be summarized as follows. All 116 participants filled out the questionnaire. The answers to the first question ranged from “6 and a half years” to “53 years,” and the mean value for Group Intv (excluding 2 English speakers) and that for Group Cl are 17.8 and 8.7, respectively.

Questions (2) and (3) reveal the increased popularity of electronic dictionaries in Japan. Of the 26 in Group Intv (excluding English speakers) who answered Question (2), 25 answered that the dictionary they use most often is electronic, and of the 86 in Group Cl who answered, 81 answered affirmatively. Overall, 106 out of 112 (94.6%) used an electronic dictionary most often. The ratio was 9 out of 107 (8.4%) in US-LAAD1 (2001), 81 out of 113 (71.7%) in US-LDOCE4 (2004), 271 out of 333 (81.4%) in US-OALD7 (2005), and 25 out of 57 (43.9%) in US-BEDs (half of the study was conducted in England, 2006-07). In response to Question (3), 17 in Group Intv said they use an electronic monolingual English dictionary, 4 said they use a printed one, and 6 said they did not use one; the corresponding figures for Group Cl are 54, 2, and 31, respectively.

The results for other items in the questionnaire are reported in tabular form. In each case, the participants chose their answers from the options of <very often, often, sometimes, not usually, and never>, which were replaced by the graded frequencies 4, 3, 2, 1, and 0, respectively, to calculate the means of the frequency of use.

Tables 10.1 and 10.2 tabulate the participants’ answers to Questions (4) and (5) of the questionnaire, respectively. From these tables, we can draw similar conclusions as previous user studies: that Japanese learners of English use a dictionary for translating English into Japanese the most frequently; that the two major purposes of consulting a dictionary are to check the meaning and spelling; and that etymological and cultural information is referred to the least frequently (Kanazashi 2008: 45). These facts have not changed since US-LAAD1 as far as the Japanese participants are concerned. However, the purpose that was ranked third has changed; it was grammar in US-LAAD1, US-LDOCE4, and US-OALD7, but collocations in US-BEDs, and synonyms and antonyms in the present study. Collocations are referred to the third most frequently by Group Intv, and the fifth most frequently by Group Cl. Synonyms and antonyms are ranked sixth by Group Intv, third by...
Group Cl, and third by all. It is these four popular information categories apart from spelling and two unpopular ones that participants paid particular attention to in the rest of the study.

Table 10.1 Occasions on which participants in Groups Int and Cl used a dictionary

<table>
<thead>
<tr>
<th>Frequency</th>
<th>reading English</th>
<th>translating E into L1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Group Intv</td>
<td>Group Cl</td>
</tr>
<tr>
<td>4 (very often)</td>
<td>6</td>
<td>23</td>
</tr>
<tr>
<td>3 (often)</td>
<td>11</td>
<td>31</td>
</tr>
<tr>
<td>2 (sometimes)</td>
<td>7</td>
<td>21</td>
</tr>
<tr>
<td>1 (not usually)</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>0 (never)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Means (each)</td>
<td>2.62</td>
<td>2.75</td>
</tr>
<tr>
<td>Means (both)</td>
<td>2.72</td>
<td></td>
</tr>
</tbody>
</table>

Table 10.2 Purposes for which participants in Groups Int and Cl used a dictionary

<table>
<thead>
<tr>
<th>Frequency</th>
<th>pronunciation</th>
<th>collocations</th>
<th>synonyms/antonyms</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G Intv</td>
<td>G Cl</td>
<td>G Intv</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>14</td>
<td>18</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>21</td>
<td>8</td>
</tr>
<tr>
<td>1</td>
<td>3</td>
<td>27</td>
<td>5</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>Each</td>
<td>2.79</td>
<td>1.83</td>
<td>2.59</td>
</tr>
<tr>
<td>Both</td>
<td>2.07</td>
<td>2.16</td>
<td>2.00</td>
</tr>
</tbody>
</table>

10.5. Results of Part 2: Composition task

10.5.1. Results of Part 2 provided by the participants in Group Intv

Tables 10.3.1–10.3.9 show the results of Part 2, with one table allotted for the tabulation of the results of one question. Each table is first divided into rows according to the groups; it is further divided into three rows to show the number of participants who gave the correct answer before referring to the dictionary, the number of those who gave the correct answer thanks to a successful look-up, and the total number of those who were asked to use the dictionary (in this order, in the first row); together with the average time spent finding the correct answer by those who benefited from their look-ups (in the second row); and the number of unsuccessful look-ups (in the third row). The participants
Table 10.3.1  Question (1) He was rewarded with a bottle of champagne.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LDOCE4</th>
<th>COBUILD4</th>
<th>MWALED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group T (n=5)</td>
<td>0, 2 / 2</td>
<td>0, 1 / 1</td>
<td>0, 1 / 1</td>
<td>0, 1 / 1</td>
</tr>
<tr>
<td></td>
<td>12 sec.</td>
<td>54 sec.</td>
<td>24 sec.</td>
<td>12 sec.</td>
</tr>
<tr>
<td>Group M (n=13)</td>
<td>0, 2 / 2</td>
<td>0, 4 / 4</td>
<td>0, 3 / 3</td>
<td>1, 3 / 4</td>
</tr>
<tr>
<td></td>
<td>39 sec.</td>
<td>38 sec.</td>
<td>34 sec.</td>
<td>44 sec.</td>
</tr>
<tr>
<td>Group A (n=5)</td>
<td>1, 1 / 2</td>
<td>–</td>
<td>1, 1 / 2</td>
<td>0, 1 / 1</td>
</tr>
<tr>
<td></td>
<td>84 sec.</td>
<td>–</td>
<td>60 sec.</td>
<td>228 sec.</td>
</tr>
<tr>
<td>Group N (n=3)</td>
<td>0, 1 / 1</td>
<td>0, 0 / 1</td>
<td>0, 1 / 1</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>54 sec.</td>
<td>–</td>
<td>162 sec.</td>
<td>–</td>
</tr>
<tr>
<td>Total (n=26)</td>
<td>1, 6 / 7</td>
<td>0, 5 / 6</td>
<td>1, 6 / 7</td>
<td>1, 5 / 6</td>
</tr>
<tr>
<td></td>
<td>40 sec.</td>
<td>41 sec.</td>
<td>38 sec.</td>
<td>74 sec.</td>
</tr>
</tbody>
</table>

Table 10.3.2  (2) He brushed past by me, but he did not seem to recognize me.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LDOCE4</th>
<th>COBUILD4</th>
<th>MWALED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group T</td>
<td>0, 2 / 2</td>
<td>0, 1 / 1</td>
<td>0, 1 / 1</td>
<td>0, 1 / 1</td>
</tr>
<tr>
<td></td>
<td>18 sec.</td>
<td>30 sec.</td>
<td>36 sec.</td>
<td>18 sec.</td>
</tr>
<tr>
<td>Group M</td>
<td>1, 0 / 2</td>
<td>0, 4 / 4</td>
<td>0, 2 / 3</td>
<td>2, 1 / 4</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>36 sec.</td>
<td>27 sec.</td>
<td>90 sec.</td>
</tr>
<tr>
<td>Group A</td>
<td>0, 1 / 2</td>
<td>–</td>
<td>0, 2 / 2</td>
<td>0, 0 / 1</td>
</tr>
<tr>
<td></td>
<td>36 sec.</td>
<td>–</td>
<td>66 sec.</td>
<td>–</td>
</tr>
<tr>
<td>Group N</td>
<td>0, 1 / 1</td>
<td>0, 0 / 1</td>
<td>0, 0 / 1</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>78 sec.</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Total</td>
<td>1, 4 / 7</td>
<td>0, 5 / 6</td>
<td>0, 5 / 7</td>
<td>2, 2 / 6</td>
</tr>
<tr>
<td></td>
<td>38 sec.</td>
<td>35 sec.</td>
<td>44 sec.</td>
<td>54 sec.</td>
</tr>
</tbody>
</table>

Table 10.3.3  (3) He is charged with theft at present.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LDOCE4</th>
<th>COBUILD4</th>
<th>MWALED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1, 5 / 7</td>
<td>1, 5 / 6</td>
<td>1, 6 / 7</td>
<td>2, 4 / 6</td>
</tr>
<tr>
<td></td>
<td>66 sec.</td>
<td>34 sec.</td>
<td>41 sec.</td>
<td>39 sec.</td>
</tr>
</tbody>
</table>

Table 10.3.4  (4) This project is aimed at unemployed youth.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LAAD1</th>
<th>COBUILD4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1, 3 / 7</td>
<td>1, 3 / 7</td>
<td>3, 6 / 12</td>
</tr>
<tr>
<td></td>
<td>28 sec.</td>
<td>34 sec.</td>
<td>48 sec.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

Table 10.3.5  (5) The employees rushed to make a decision.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LAAD1</th>
<th>COBUILD4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>5, 2 / 7</td>
<td>5, 2 / 7</td>
<td>4, 6 / 12</td>
</tr>
<tr>
<td></td>
<td>36 sec.</td>
<td>24 sec.</td>
<td>31 sec.</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

Table 10.3.6  (6) The student forgot to change into his school uniform.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LAAD1</th>
<th>COBUILD4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>2, 3 / 7</td>
<td>1, 6 / 7</td>
<td>5, 5 / 12</td>
</tr>
<tr>
<td></td>
<td>50 sec.</td>
<td>26 sec.</td>
<td>79 sec.</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>

Table 10.3.7  (7) He tried to cover up the murder by burning the body.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>MWALED</th>
<th>OALD7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1, 6 / 12</td>
<td>2, 4 / 7</td>
<td>1, 2 / 7</td>
</tr>
<tr>
<td></td>
<td>68 sec.</td>
<td>66 sec.</td>
<td>195 sec.</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>
Table 10.3.8 (8) We are aware that many problems lie ahead.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LDOCE4</th>
<th>OALD7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group T</td>
<td>2, 0 / 2</td>
<td>1, 0 / 1</td>
<td>1, 1 / 2</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Group M</td>
<td>2, 4 / 8</td>
<td>1, 1 / 3</td>
<td>0, 2 / 2</td>
</tr>
<tr>
<td></td>
<td>114 sec.</td>
<td>24 sec.</td>
<td>81 sec.</td>
</tr>
<tr>
<td>Group A</td>
<td>0, 1 / 1</td>
<td>0, 1 / 2</td>
<td>0, 2 / 2</td>
</tr>
<tr>
<td></td>
<td>174 sec.</td>
<td>36 sec.</td>
<td>141 sec.</td>
</tr>
<tr>
<td>Group N</td>
<td>0, 1 / 1</td>
<td>0, 0 / 1</td>
<td>0, 1 / 1</td>
</tr>
<tr>
<td></td>
<td>192 sec.</td>
<td>–</td>
<td>66 sec.</td>
</tr>
<tr>
<td>Total</td>
<td>4, 6 / 12</td>
<td>2, 2 / 7</td>
<td>1, 6 / 7</td>
</tr>
<tr>
<td></td>
<td>137 sec.</td>
<td>30 sec.</td>
<td>92 sec.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

Table 10.3.9 (9) One of his friends stuck by him when he was accused of lying.

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LDOCE4</th>
<th>MWALED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group T</td>
<td>0, 2 / 2</td>
<td>0, 1 / 1</td>
<td>0, 2 / 2</td>
</tr>
<tr>
<td></td>
<td>129 sec.</td>
<td>36 sec.</td>
<td>156 sec.</td>
</tr>
<tr>
<td>Group M</td>
<td>0, 7 / 8</td>
<td>0, 3 / 3</td>
<td>0, 1 / 2</td>
</tr>
<tr>
<td></td>
<td>70 sec.</td>
<td>60 sec.</td>
<td>114 sec.</td>
</tr>
<tr>
<td>Group A</td>
<td>0, 1 / 1</td>
<td>0, 2 / 2</td>
<td>0, 1 / 2</td>
</tr>
<tr>
<td></td>
<td>60 sec.</td>
<td>105 sec.</td>
<td>90 sec.</td>
</tr>
<tr>
<td>Group N</td>
<td>0, 1 / 1</td>
<td>0, 1 / 1</td>
<td>0, 1 / 1</td>
</tr>
<tr>
<td></td>
<td>60 sec.</td>
<td>48 sec.</td>
<td>192 sec.</td>
</tr>
<tr>
<td>Total</td>
<td>0, 11 / 12</td>
<td>0, 7 / 7</td>
<td>0, 5 / 7</td>
</tr>
<tr>
<td></td>
<td>79 sec.</td>
<td>68 sec.</td>
<td>142 sec.</td>
</tr>
</tbody>
</table>


who gave the correct answer before referring to the dictionary are ex-
cluded from the second row, and only those who benefited from their
look-ups, indicated by the figure in the middle of the first row, are
counted. However, those who gave the correct answer before the look-
up but gave the wrong answer afterward are included in the third row.
For Questions (3)–(7), only the total number and time taken are shown
for the sake of brevity.

In addition to the familiar fact that the more advanced the partici-
pants are, the more likely they are to give the right answer, some dis-
crepancies between the dictionaries that the participants referred to can
be gathered from the tables above. For example, the participants, even
those in Group T, seem to have spent more time consulting MWALED,
and less time with LDOCE4. Aware of the unfairness of comparing the
five dictionaries based on the results of different questions answered by
different numbers of participants, we would like to summarize these
results in Table 4.

Table 10.4 Summary of the results of Part 2

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LAAD1</th>
<th>LDOCE4</th>
<th>COBUILD4</th>
<th>OALD7</th>
<th>MWALED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group T (n=5)</td>
<td>6, 8 / 15</td>
<td>3, 2 / 6</td>
<td>1, 4 / 5</td>
<td>4, 4 / 9</td>
<td>2, 2 / 4</td>
<td>1, 5 / 6</td>
</tr>
<tr>
<td></td>
<td>43 sec.</td>
<td>21 sec.</td>
<td>33 sec.</td>
<td>26 sec.</td>
<td>81 sec.</td>
<td>71 sec.</td>
</tr>
<tr>
<td>Group M (n=13)</td>
<td>7, 22 / 39</td>
<td>2, 4 / 6</td>
<td>2, 15 / 18</td>
<td>8, 19 / 33</td>
<td>0, 2 / 4</td>
<td>6, 9 / 17</td>
</tr>
<tr>
<td></td>
<td>67 sec.</td>
<td>30 sec.</td>
<td>40 sec.</td>
<td>47 sec.</td>
<td>81 sec.</td>
<td>56 sec.</td>
</tr>
<tr>
<td>Group A (n=5)</td>
<td>0, 11 / 15</td>
<td>0, 3 / 4</td>
<td>1, 7 / 9</td>
<td>0, 2 / 4</td>
<td>0, 5 / 7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>91 sec.</td>
<td>25 sec.</td>
<td>82 sec.</td>
<td>60 sec.</td>
<td>141 sec.</td>
<td>112 sec.</td>
</tr>
<tr>
<td>Group N (n=3)</td>
<td>2, 0 / 15</td>
<td>1, 4 / 6</td>
<td>0, 3 / 4</td>
<td>1, 7 / 9</td>
<td>0, 2 / 4</td>
<td>0, 5 / 7</td>
</tr>
<tr>
<td></td>
<td>70 sec.</td>
<td>42 sec.</td>
<td>51 sec.</td>
<td>68 sec.</td>
<td>168 sec.</td>
<td>192 sec.</td>
</tr>
<tr>
<td>Group N (n=3)</td>
<td>0, 1 / 11</td>
<td>0, 1 / 11</td>
<td>0, 1 / 11</td>
<td>0, 7 / 7</td>
<td>11, 56 / 57</td>
<td>7, 20 / 32</td>
</tr>
<tr>
<td></td>
<td>68 sec.</td>
<td>28 sec.</td>
<td>45 sec.</td>
<td>50 sec.</td>
<td>118 sec.</td>
<td>80 sec.</td>
</tr>
<tr>
<td>Total (n=26)</td>
<td>16, 46 / 78</td>
<td>7, 11 / 21</td>
<td>3, 24 / 32</td>
<td>14, 34 / 57</td>
<td>2, 8 / 14</td>
<td>7, 20 / 32</td>
</tr>
<tr>
<td></td>
<td>17 (22%)</td>
<td>3 (14%)</td>
<td>5 (16%)</td>
<td>12 (21%)</td>
<td>5 (36%)</td>
<td>5 (16%)</td>
</tr>
</tbody>
</table>
On looking at Table 10.4, we should not jump to the conclusion that ease of access is achieved in LAAD1 but not in OALD7. The discrepancies between these two dictionaries are largely because in answering two already difficult questions, namely, (7) and (8) that require the skill of scanning a long entry, the participants used OALD7 but not LAAD1. Thus, Tables 10.5 and 10.6 enable us to make a comparison of the results of Questions (4)–(6) between LAAD1, LAAD2, and COBUILD4, and that of Questions (7) and (8) between OALD7 and LAAD2, respectively, which will lead us to a fairer conclusion.

Table 10.5 Questions (4)–(6)

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>LAAD1</th>
<th>COBUILD4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8, 8 / 21</td>
<td>7, 11 / 21</td>
<td>12, 17 / 36</td>
<td></td>
</tr>
<tr>
<td>38 sec.</td>
<td>28 sec.</td>
<td>51 sec.</td>
<td></td>
</tr>
<tr>
<td>5 (24%)</td>
<td>3 (14%)</td>
<td>10 (28%)</td>
<td></td>
</tr>
</tbody>
</table>

Table 10.6 Questions (7) and (8)

<table>
<thead>
<tr>
<th></th>
<th>LAAD2</th>
<th>OALD7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5, 12 / 24</td>
<td>2, 8 / 14</td>
<td></td>
</tr>
<tr>
<td>70 sec.</td>
<td>118 sec.</td>
<td></td>
</tr>
<tr>
<td>8 (33%)</td>
<td>4 (29%)</td>
<td></td>
</tr>
</tbody>
</table>

Table 10.5 again shows that LAAD1 has the easiest access structure regarding the entries for aim, rush, and change. More specifically, it successfully provided the participants with the information on the passivization of the sentence containing the verb aim, the use of the verb rush followed by an infinite clause, and the distinctions between phrasal verbs headed by change. Two participants reported that it was the easy-to-find signpost written in white against a large black background that helped them to quickly locate the necessary information under the entry for change\(^1\) in LAAD1:

\begin{quote}
\textbf{change} v. 5 clothes a) \text{I'll change clothes and put on different ones: I'm just going upstairs to change.} \| \text{[change into sth/ change out of sth]} We changed into our swimsuits and ran for the pool... [LAAD1]
\end{quote}

LAAD2 has roughly the same entry except that the signpost is printed in blue, a feature that was criticized by the same 2 participants as somewhat lacking prominence in appearance, and another example sentence is inserted between the first and the second in LAAD2. Presumably, both of these changes have made it more difficult to find the grammar note “change into sth” or the example containing it in LAAD2. This sentence pattern is even more difficult to locate in COBUILD4, as it lists both the noun and verb senses of words in the same entry. If, by some fortune, a user reaches Sense 6, the example sentence should be accessed by the grammar code “V into/out of” in the extra column, or after reading a rather long sentence definition and two example sentences. All these facts account for the poor performance of the participants with COBUILD4 in Question (6) (See Table 10.3.6).

10.5.2. Results of Part 2 provided by the participants in Group Cl

To obtain more data and compensate for the modest amount presented in Section 10.5.1., we devised an in-class written test using the same sentences. A time limit of 45 minutes was allotted for the test, in which all the 87 participants in Group Cl had to answer the questions. They were further divided into three groups, each consisting of 29 participants, so that the participants in each group would use LAAD2 in

Table 10.7 Correct answers by the participants in Group Cl\(^3\)

<table>
<thead>
<tr>
<th>question</th>
<th>LAAD2</th>
<th>LAAD1</th>
<th>COBUILD4</th>
<th>OALD7</th>
<th>MWALED</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>15</td>
<td>-</td>
<td>9</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>(2)</td>
<td>18</td>
<td>-</td>
<td>11</td>
<td>18</td>
<td>-</td>
</tr>
<tr>
<td>(3)</td>
<td>18</td>
<td>-</td>
<td>9</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>(4)</td>
<td>10</td>
<td>9</td>
<td>-</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>(5)</td>
<td>18</td>
<td>17</td>
<td>-</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>(6)</td>
<td>18</td>
<td>20</td>
<td>-</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>(7)</td>
<td>9</td>
<td>-</td>
<td>-</td>
<td>7</td>
<td>16</td>
</tr>
<tr>
<td>(8)</td>
<td>11</td>
<td>-</td>
<td>13</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>(9)</td>
<td>10</td>
<td>-</td>
<td>9</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td>Total</td>
<td>127 / 261</td>
<td>46 / 87</td>
<td>51 / 145</td>
<td>75 / 174</td>
<td>19 / 58</td>
</tr>
<tr>
<td>(success rate)</td>
<td>(48.7%)</td>
<td>(32.9%)</td>
<td>(35.2%)</td>
<td>(43.1%)</td>
<td>(32.8%)</td>
</tr>
</tbody>
</table>
different sets of three questions. Table 10.7 indicates the number and percentage of correct answers with each dictionary.

Here again, it turned out to be difficult to draw necessary information from the phrasal verb section near the end of a long entry, as in (7) and (9). This fact highlights the relatively high findability and intelligibility of the phrasal verbs cover up and stick by/ up for in MWALED, as it has achieved the same success rate with difficult questions as COBUILD4 has with easy ones. MWALED's entries tend to be shorter, primarily because it employs no sentence definition. Just as 4 participants in US-LAAD1 "explicitly expressed their unfamiliarity with or even hatred of the full sentence definition beginning with "If you . . ." in the reading contexts (Dohi et al. 2002: 80-81), those in Group Cl in the present study seem to implicitly express that an entry lengthened by the use of a sentence definition makes it less user-friendly even for productive purposes.

LAAD2 provided the participants with tremendous help in answering Questions (1) and (3). It would be easy to predict this result. In both cases, the sense in question is placed closest to the beginning of an entry in LAAD2 among the three; further, it highlights the collocations reward sb with sth and be charged with sth in bold, and provides an example sentence in the passive, similar to the answers to Questions (1) and (3). However, with regard to other questions, LAAD2 did not turn out to be either particularly good or bad, as the results provided by Group Intv also suggest.

A noticeable difference between Bogaards and van der Kloot's (2001) study and ours is that the mean look-up time for (1) He was rewarded with . . . is shorter than that for (3) He is charged with . . . in theirs but longer in ours; in addition, (4) This project is aimed at . . . and (5) The employees rushed to make . . . turned out to be considerably more difficult than (our) Questions (1) and (3) in theirs, but only (4) was found to be more difficult in ours. Otherwise the results were broadly similar. Further research is necessary to verify the assumption that the difference in the source language of translation or the dictionaries used in the studies account for the difference in the results.

10.6. Results of Part 3: Evaluation task

The results of the evaluation task can be shown in a relatively simple way. All the 29 participants in Group Intv (2 in Group E, 5 in Group T, 13 in Group M, 5 in Group A, and 4 in Group N) evaluated the usefulness of the 11 features and ranked them in order of importance. If a participant ranked a particular feature most highly, we replaced the evaluation with 11 points. Likewise, the second highest evaluation has been replaced with 10 points, and the lowest evaluation with 1. Table 10.8 shows the total points assigned to each feature, its rank among the 11, the number of participants who regarded the feature as necessary in their own dictionary, and its rank. In Parts 3 and 4, the two English speakers were asked to evaluate them from their students' viewpoint (i.e., what features they would like their students to refer to).

<table>
<thead>
<tr>
<th>Feature Description</th>
<th>Points</th>
<th>Rank</th>
<th>No. of Those Who Regard as Necessary</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) geographical label</td>
<td>164</td>
<td>5</td>
<td>24</td>
<td>5</td>
</tr>
<tr>
<td>(2) style label</td>
<td>228</td>
<td>4</td>
<td>28</td>
<td>2</td>
</tr>
<tr>
<td>(3) subject label</td>
<td>149</td>
<td>6</td>
<td>19</td>
<td>8</td>
</tr>
<tr>
<td>(4) &quot;Origin&quot; note</td>
<td>136</td>
<td>8</td>
<td>20</td>
<td>6</td>
</tr>
<tr>
<td>(5) &quot;Grammar&quot; article</td>
<td>287</td>
<td>1</td>
<td>29</td>
<td>1</td>
</tr>
<tr>
<td>(6) &quot;Thesaurus&quot; article</td>
<td>243</td>
<td>3</td>
<td>27</td>
<td>3</td>
</tr>
<tr>
<td>(7) &quot;Word Choice&quot; article</td>
<td>273</td>
<td>2</td>
<td>27</td>
<td>5</td>
</tr>
<tr>
<td>(8) pictorial illustration</td>
<td>123</td>
<td>9</td>
<td>20</td>
<td>6</td>
</tr>
<tr>
<td>(9) illustrations section</td>
<td>64</td>
<td>11</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>(10) &quot;Writing Guide&quot; section</td>
<td>107</td>
<td>10</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>(11) &quot;Language Note&quot; section</td>
<td>140</td>
<td>7</td>
<td>14</td>
<td>9</td>
</tr>
</tbody>
</table>

We have not found any striking difference in the results between groups. Whether judging from the total points or from the number of participants who regarded the feature as necessary, four popular features were (5) "Grammar" article, (7) "Word Choice" article, (6) "Thesaurus" article, and (2) style label. Just as Kanazashi (2008: 49) observes based on the results of one of the evaluation tasks in US-BEDs that
"the note ‘Which Word?’, the list of collocations, the notes ‘Help’ and ‘Grammar Point’, and the register label were four popular features [of OBED], which suggests that the participants intended to use a BED [business English dictionary] not only for decoding but for encoding as well,” we would conclude that the results of this present task reconfirms that users need information useful for encoding. Part 3 has also served our purpose of bridging the gap between Groups E, R, and J, thanks to the participation by Japanese teachers of English (Group T).

10.7. Results of Part 4: Comparison task

Twenty-eight participants in Group Intv (2 in Group E, 4 in Group T, 13 in Group M, 5 in Group A, and 4 in Group N) performed this last task. The results are shown in Table 10.9, which notes the features compared and the number of participants who judged each dictionary entry as favorable.

![Table 10.9 Features compared and the number of affirmative votes](image)

Here at last, we can safely say that LAAD2's features are generally superior to those in LAAD1 and other dictionaries, with the “Thesaurus” article second only to OALD7's “Synonyms” article regarding two items.

A closer examination of the participants' opinions reveals that they were satisfied (even impressed) mainly with the neat-and-tidy layout and the target synonyms arranged at the beginning of each line in the “Thesaurus” box, whereas those who preferred the definition style of the “Thesaurus” article to the explanatory style of the “Synonyms” article in OALD7, the “Word Choice” article in LAAD1, and the “Word Choice” or “Word Focus” article in LDOCE4 were relatively small in number. It requires another study to find out whether it is easy to access the target synonym in LAAD2's “Thesaurus” box.

In Item (1), LAAD2's inclusion of the adjectival use in its entry at the cost of etymological information was favored by 18 participants, while OALD7-CD's inclusion of etymological information at the cost of the adjectival use was favored by 10. However, all 4 in Group N favored the former, while 4 out of 6 in Groups E and T favored the latter—the most advanced groups who bore in mind their educational settings while answering the questions. This is understandable, as the results of the questionnaire indicate that the participants in Groups E and T are more interested in etymology than those in Group N (see Section 8. for a discussion of etymology from a pedagogical point of view). A similar tendency is observed with Item (5), where among the 7 who favored the “Word Choice” box, 4 were in Group T, consisting only of 6 members. Such cases suggest that we should not take the results of Part 4 as being indicative of LAAD2's all-round success.

The unpopularity of MWALED is largely due to the location of the articles both placed at the end of the volume. Many participants, particularly those in Groups M, A, and N, expressed their reluctance to turn to other pages while reading the main dictionary text. The number of participants who criticized the location of the information was 11 and 4, regarding Items (2) and (3), respectively, as opposed to the number of participants who criticized its content being 3 and 1. It is of course unfair to
judge MWALED as being poor on the basis of merely these two features.

Since 12 participants said in relation to Items (3) and/or (8) that they favored OALD7’s “Synonyms” box because of the “patterns and collocations” article at the end, we have compared the average score of the participants’ interest in collocations, which requires a subdivision of Table 10.2. The average for all the 29 in Group Intv is 2.59, while the average for the 12 who expressed their appreciation of the “patterns and collocations” is 2.17, a figure lower than the overall average. This suggests that the list of collocations at the end of the “Synonyms” box attracted even those who had not shown a particular interest in collocations when filling out the questionnaire. LAAD2 could have included this kind of information for pedagogical purposes.

10.8. Ways of improving the research design, with pedagogical implications of the results in view

The discrepancies in the results between Groups E and T, consisting of the most advanced speakers of English, and Group N, whose members are the lowest in proficiency in English, will be a bother to dictionary publishers. In other words, even if English teachers suggest ways of improving the dictionaries, learners might not appreciate the improvement. Here again, the present study seems to have brought us to the same point as previous user studies. US-OALD7 reports two cases in which a dictionary entry was almost exclusively welcomed by a particular group of participants, and suggests that dictionaries be edited and revised bearing target users in mind (Komuro et al. 2006: 138). Likewise, a point made as part of the concluding remarks of US-BEDs is as follows: “If from the fact that some types of definitions are welcomed by particular groups, we can draw the same conclusion as the previous user studies such as Komuro et al. (2006: 138): . . . . Concerning this point, the present study has provided the strongest ground for arguing so, as this is the first of the series in which opinions by three different groups including Group E can be compared” (Kanazashi 2008: 49).

To cope with this complexity, we might as well turn to the difference in reliability between Task 2 and Task 4. As Hartmann (2001: 116) puts it, “[s]ome researchers have expressed grave doubts about the use of questionnaires for the purpose of eliciting empirical data on behavioural acts.” Task 4 is similar to a questionnaire in nature, in that it asks users their opinions as rather an indirect method, without making them use the dictionary, while in Task 2 a direct method is applied, and therefore the above-mentioned doubts about the use of indirect methods do not apply. If the primary reason for the popularity of LAAD2’s “Thesaurus” box is that the participants in Groups M, A, and N merely thought it would be easy to access the synonyms and understand them thanks to the layout, one should devise another study, similar to Task 2, which measures the time spent finding the target synonyms as well as the success rate distinguishing the synonyms in the context of production.71

One might even go so far as to say that a user study, particularly in relation to a dictionary review from a pedagogical perspective, should have twofold functions: it should ask teachers’ opinions through an indirect method and test learners’ skills through a direct method. If this is the case, we should focus on the results of Part 2 yielded by Groups M, A, and N, and the results of Part 4 by Groups E and T, and enrich these parts both qualitatively and quantitatively for future studies.

Nevertheless, other results of the study should not be neglected as being useless. As our initial aim was to explore the usability and accessibility of information from various aspects, we believe that our four-part user study was fairly successful, particularly in supplementing the findings from US-LAAD1 and US-BEDs and in consolidating their validity (see Sections 10.5.2. and 10.6.).

11. Conclusion

Regrettably, our overall evaluation of LAAD2 as not only a revised edition of LAAD1 but also as a pedagogical tool is rather low. LAAD has greatly changed only in aspects such as subject labels, grammar codes, four types of articles, and pictorial illustrations. Its coverage has not changed much, except that the new edition includes some technical terms and compound nouns. The system of presenting phonetic information has not radically improved, and the problems pointed out still
remain. The definitions remain roughly the same under many entries, and they were not as highly evaluated as in competing EFL dictionaries by our informants or the participants in the user study. Examples and collocations have grown in number, and new features such as etymological information and the CD-ROM are welcomed, but again there are problems. Even worse, the changes in the presentation of pragmatic information, subject labels and grammar codes seem to constitute user antagonism. Errors and inconsistencies have also been found, if sporadically.

As it already met its challenge with the publication of MWALED in 2008, which claims to be “[t]he first advanced learner’s dictionary [of American English] by an American publisher” (Merriam-Webster Catalog 2008–2009, p. 3),1 LAAD too should have some new distinctive features that make it so unique and prominent that the editor cannot help but describe them in the preface. Otherwise, the dictionary would not be successful commercially or pedagogically and risk being removed from the market and educational settings.

NOTES

Section 1
1) Neither does LAAD1 have the editor’s preface.

Section 2
1) This figure (53,000 entries in LAAD2) is much smaller than the number of entries in LDOCE4 that is judged to be 77,000 from what Ichikawa et al. (2005: 4) say. However, one should not compare these figures with 43,000 that Dohi et al. (2002: 7) estimates that Masuda et al. (1997: 21) estimates the entries in COBUILD3, as the COBUILD dictionaries treat different parts-of-speech in the same entry unlike LAAD1, LAAD2, or LDOCE4.
2) As there are some multiple parts-of-speech entries, the figures in Table 2.1 do not exactly add up to 2,120. Run-on entries for 65 phrasal verbs are not included in the table.
3) Run-on entries with no definition or example sometimes cause confusion particularly when two derivatives of the same part-of-speech are run on under the same entry, as in *vapidness n.* and *vapidity n.* under *vapid adj.*

Section 3
1) The problems with using a hyphen in LAAD1 are discussed in Dohi et al. (2002: 24–25). LAAD2 has similar problems.

Section 4
1) It is in COBUILD3, rather than LAAD1, that the sentence definition beginning with *if* was criticized by the participants in US-LAAD1 as being “too long.” However, this does not indicate that the long definitions in LAAD2 are free from the same criticism, partly because more participants gave “difficult definition” (68 participants with regard to all the target words) and “the lengthiness of the entry” (34) as the reasons for bad entries than “the scarcity of information” (26) in US-LAAD2.
2) The unchanged definitions with insufficiencies include that with a simple typographic error like the definition of *back office*, in which we should read “managed” as “manages.”
3) The same insufficiency is found in LDOCE4, where the definition of *back formation* is identical with that in LAAD2. OALD7 does a better, if not perfect, job here, defining and illustrating it as “a word formed by removing or changing the beginning or end of a word that already exists. For example, *cheesburger* is a back-formation from *hamburger.*” In such a case, we have to rely on dictionaries for English speakers; MWCD1: “a word formed by subtraction of a real or supposed affix from an already existing longer word (as *burglie* from *burglar]*.
4) The problem pointed out in Dohi et al. (2002: 39) is that unlimited application of affixes to the original defining vocabulary turns the once-controlled glossary so productive, that the potential number of words available in definitions ends up far beyond the officially claimed 2,000.
5) In Tables 4.1 and 4.2, we have added the columns for LAAD1, LAAD2, and MWALED to what Uchida (2009) has already surveyed on OALD7, COBUILD5, and LDOCE4.

Section 5
1) For a general discussion on problems with labeling systems inherent in EFL dictionaries, see Kokawa (1989). For a specific discussion on subject labels in business English dictionaries, see Kanazashi (2009).
2) In the list of labels in LAAD1 (inside front cover), *law* is classified into Category 2 in LAAD2’s classification. Category 3 is absent from the list in LAAD1. Therefore, one could also say that *law* is a register label in LAAD1, or even that there is no subject label in LAAD1.
3) The label *poetic* exists under the entry for *brand* n., but we have not found any word with the label *impolite* in LAAD2.

Section 6
1) The entry for *to* does not display its part of speech in LAAD1, LAAD2, and LDOCE4.
2) In the table of “Short Forms” (p. 1850) there is a typo; “sb someone” should be “sb somebody.”
3) *must* modal verb is not included in the table.
4) Somehow under the entries for modal verbs, inconsistencies as to the italics are often

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1) The problems with using a hyphen in LAAD1 are discussed in Dohi et al. (2002: 24–25). LAAD2 has similar problems.
found.

5) Cf. LDOCE4 displays all of the inflections of be in the entry, as: be\textsuperscript{1} past tense was, were, past participle been, and second person singular and plural are third person singular is. However, LDOCE4 sometimes does not include be in the table of irregular verbs.

6) In LAAD1 [at the end of a sentence or a clause].

7) In LAAD1 [used before a verb to show that it is the infinitive, but not before “can,” “could,” “could,” “may,” “might,” “will,” “would,” “shall,” “should,” “must,” or “ought.” The following senses show the patterns in which “to” is used, and in LDOCE4 [used before the basic form of a verb to show that it is in the infinitive].

8) In LAAD1 the heading was “Sometimes the words have a different style” (emphasis ours).

9) In this section cardiac arrest is labeled as MEDICINE while in the entry it is labeled as TECHNICAL.

10) The list of great is not in alphabetical order; “great strength” in the second column seems to be a mistake for “great length”, which has been deleted in LAAD2. It seems that “at great length,” “great strength,” and “(a) great disappointment” were transposed.

Section 7

1) “Usage” includes 12 types of boxes in LAAD1: collocation, collocation and grammar, formal/informal, formality, politeness, plural forms, politeness, spelling, spoken-written, usage, word formation, and a box without a title.

2) The following words are entry words whose “Word Choice” note in LAAD1 has turned into “Thesaurus” notes in LAAD2: ability, adequate, area, ask, beautiful, become, big, body, borrow, bring, child, clothing, comprise, continual, control, cook, cry, damp, definitely, destroy, doctor, dress, fast, forbid, forti, guilty, habit, happen, happy, have to, help, intelligent, invent, job, kill, lead, learn, machine, money, open, outside, pay, place, position, priest, race, reach, reason, refer, request, say, shore, smell, steal, taste, teach, telephone, thin, thus, travel, under, prep., vacation, visit, win.

“Word Choice” in both LAAD1 and LAAD2 are: act, actually, adjective, admission, affect, almost, alone, beginning, between, but, conjunction, civilization, claim, cloth, commence, commercial, common, comprehension, couple, cure, damage, day, dead, despite, die, different, during, each, quantify, pron., economic, economic, electric, electric, error, excuse, few, first, flammable, from, front, good, got, hard, ignore, inferior, insure, jealous, kindly, lay, little, lose, luck, make, masculine, middle, moment, moment, narrow, nation, noise, north, officer, old, order, pass, pass, product, professor, rare, relationship, remember, shock, since, sit, start, still, street, technique, unless, used to, will, modal verb, wash, worth, prep.

3) The entries for damn adj., damn adv., and damn n. have also been purged from LAAD2.

4) Here is the list of usage notes that becomes “Usage” in LAAD2:

Section 8

1) The figures in brackets compare the percentage of articles in each category to the number of all articles surveyed in the printed or the CD-ROM edition.

Section 9

1) This word is unreadable in the dictionary both in the printed dictionary and the
CD-ROM; illustrations in the CD-ROM seem to be scanned from the printed dictionary.

Section 10
1) Bogaards and van del Kloot's (2001: 120) Sentences 1, 3, 4, 11, and 12 are translated into Japanese and used as our Sentences (1), (2), (3), (4), and (5).
2) The answer “stuck up for him” was also regarded as correct, as the phrasal verb is entered in all the three dictionaries.
3) If any figure is provided in a cell, the total number of participants is always 29.
4) Note that these results are similar to what is indicated in Table 10.3.1 concerning Question (1), but contrary to that in Table 10.3.3 concerning Question (3).
5) Groups R and J in US-BEDs are defined as the group of participants consisting of “foreign residents of England” and those who “majored in a business-related subject such as commerce, accounting, and business administration at a university in Japan,” highlighting their (supposed) familiarity with business English.
6) Kanazashi (2008: 49) concludes: “Now that the present study [US-BEDs] has been conducted among Groups E, R and J, it will be useful to interview the group absent from it. The ‘missing link’ that is expected to bridge the gap between those groups is Group T.”
7) One may well fear that the division of the list of synonyms into two “Thesaurus” boxes might cause trouble in searching for a specific sense or phrase as in Part 2, although no participants mentioned this point regarding Items (9a) or (9b) in Part 4.

Section 11
1) Some members of the Iwasaki Linguistic Circle have pointed out that NHD or RHWD has a claim to be considered the first of its kind (see Masuda et al. (1999)).

APPENDICES

Appendix 1
Part 1: Questionnaire
(1) How many years have you studied English?
(2) Please name English dictionaries that you use most often. Are they printed or electronic dictionaries?
(3) If you use a monolingual English dictionary, please name it. Is it a printed or electronic dictionary?
(4) How often do you use an English dictionary on the following occasions? Please circle one of the following choices that are the closest to the frequency of your dictionary use: <very often, often, sometimes, not usually, never>.
   ① while reading English
   ② while translating English into your first language
   ③ while writing English
   ④ while translating your first language into English
   ⑤ while trying to broaden your vocabulary
(5) How often do you use an English dictionary for the following purposes? Please circle one of the frequencies from <very often, often, sometimes, not usually, never>.
   ① finding cultural information
   ② finding collocations
   ③ checking spelling
   ④ checking whether a word exists
   ⑤ checking part-of-speech
   ⑥ looking up meaning
   ⑦ finding synonyms and antonyms
   ⑧ finding etymology
   ⑨ finding cultural information
   ⑩ checking pronunciation

Appendix 2
Part 2: Composition Task
Suppose you are to explain situations (1)–(9), using the verb in parentheses. First, fill in the blanks without referring to the dictionary. Then, look up the verb in the dictionary specified, and answer again.
(1) ある男性がボトル入りシャンパンを貰った。 《reward》
   He (reward) a bottle of champagne.
(2) ある男性が自分に軽く触れて目の前を通り過ぎていったが、その人は自分に気づかなかったようだ。（brush）
   He _______ me, but he did not seem to recognize me.
(3) ある男性が現在、窃盗罪に関われている。 《charge》
   He _______ theft at present.
(4) あるプロジェクトが、失業者の若者を対象としている。 《aim》
   This project _______ unemployed youth.
(5) ある会社の社員たちが早く結論を出そうとした。 《rush, make a decision》
   The employees _______ a decision.
(6) ある男子学生が学生服に着替えるのを忘れた。 《change》
   The student forgot to _______ his school uniform.
(7) 袭人をした男性が、死体を焼いて事実を隠蔽しようとした。 《cover》
   He _______ the murder by burning the body.
(8) 前途にあまりにも多くの困難があることに、われわれは気づいている。 《lie》
   We _______ that many problems.
(9) ある男性がうそをついていると非難された時、友人が弁護してやった。 《stick》
   One of his friends _______ when he was accused of lying.

Appendix 3
Part 4: Comparison Task
(1) Under the entry for après-ski,
[DALD7-CD] shows etymology in the form of a note and a box, but it does not show the adjectival use, whereas
[LAAD2] explains the adjectival use, but it does not give etymological information.
(2) To show etymological information,
[LAAD2] provides an “Origin” note at the end of some entries, and
[MWALED] provides a two-page article called “English Word Roots” at the end of the
volume.

(3) To give information on similar words,
[LAAD2] provides a “Thesaurus” box after Sense 1 of choose1 explaining synonyms in
definition style,
[OALD7] provides a “Synonyms” box near the entry for choose, explaining synonyms in
an explanatory style, and
[MWALED] provides at the end of the volume a two-page article called “Words That
Are Often Confused” explaining words with similar spellings.

(4) To show the etymology of ski,
[OALD7-CD] provides the following “Word Origin” article:

Word origin
ski
mid 18th cent.: from Norwegian, from Old Norse skith stick of wood, snowshoe.

(5) To explain the synonyms of happen,
[LAAD1] lists happen, occur, take place, and happen to with their meaning in a “Word
Choice” box, and
[LAAD2] lists happen, take place, and occur with their meaning in a “Thesaurus” box.

(6) To explain the synonyms of cost n.,
[LAAD2] provides the following “Thesaurus” box after Sense 1:

WORD CHOICE: cost, costs, price, charge, fee, fare
Use cost to talk about paying for services and activities, rather than objects: . . .
Your costs are the amount of money you have to spend in order to run a business
or to do a particular activity: . . .
Use price to mean the amount of money that you must pay for something in a
place such as a shop or restaurant: . . .
A charge is . . .
A fee is . . .
A fare is . . .

(7) To show the etymology of urban,
[LAAD2] provides an “Origin” note at the end of the entry, and
[OALD7-CD] provides a “Word Origin” box.

(8) To explain the synonyms of poor,
[LAAD2] provides the following “Thesaurus” box after Sense 1:

SYNONYMS
poor
disadvantaged • needy • impoverished • deprived • penniless • poverty-stricken

These words all describe sb who has very little or no money and therefore cannot
satisfy their basic needs.
poor having little money; not having enough money for basic needs: . . .
disadvantaged having less money and fewer opportunities than most people in
society: . . .
needy poor . . .
impoverished (journalism) poor: . . .
deprived [usually before noun] without enough food, education, and all the
things that are necessary for people to live a happy and comfortable life

POOR, NEEDY, IMPOVERISHED OR DEPRIVED?
poor is the most general of these words . . .
penniless (literary) having no money; very poor: . . .
poverty-stricken (journalism) extremely poor: . . .
hard up (informal) having very little money, especially for a short period of time:

PATTERNS AND COLLOCATIONS
■ poor . . . people/families ■ poor . . . countries/regions/areas
■ a poor . . . childhood/background ■ extremely/very poor . . .
(9a) To provide information on synonyms, [LAAD1] lists beautiful, pretty, handsome, good-looking, attractive, and sexy in an explanatory style in a “Word Choice” article at the end of the entry for beautiful (See Section 7.5.), and [LAAD2] lists strike, punch, slap, beat, beat sb up, smack, smack, thump, knock, bang, bash, tap, pound/hammer, and rap in a “Thesaurus” box after Sense 1 of hit “to touch someone or something hard and quickly . . .” and lists bump, collide, bang, bash, and stub in another “Thesaurus” box after Sense 2 “to fall or crash into someone or something quickly and hard,” both in definition style (See Section 7.5.).

(9b) To explain the synonyms of bad, [LDOCE4] provides the following “Word Focus” box at the end of the entry:

<table>
<thead>
<tr>
<th>WORD FOCUS: BAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>very bad: awful, terrible, horrible, lousy . . .</td>
</tr>
<tr>
<td>bad, but not very bad: not very good, mediocre, second-rate, so-so, lacklustre . . .</td>
</tr>
<tr>
<td>of bad quality: . . .</td>
</tr>
</tbody>
</table>

[LDOCE4] provides the following “Vocabulary Building” box at the end of the entry:

<table>
<thead>
<tr>
<th>VOCABULARY BUILDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>bad and very bad</td>
</tr>
<tr>
<td>Instead of saying that something is bad or very bad, try to use more precise and interesting adjectives to describe things:</td>
</tr>
<tr>
<td>■ an unpleasant/a foul/a disgusting smell</td>
</tr>
</tbody>
</table>

and [LAAD2] provides the following “Thesaurus” box after Sense 1 (not good or not nice):

| poor not as good as it could be or should be: poor performance in school |
| disappointing . . . |
| awful . . . |
| terrible . . . horrible . . . lousy . . . appalling/horrific . . . horrendous . . . atrocious . . . abysmal . . . |

and the following box after Sense 8 (morally wrong or evil):

| evil/wicked used to describe a very bad person or his or her actions: a fairy tale about a wicked witch | Were his intentions evil? |
| immoral/wrong . . . |
| reprehensible . . . |
KANAZASHI, OTANI, NONOMIYA, RYU

RHWD


OTHER REFERENCES


