VALIDATION IN LANGUAGE ASSESSMENT

Edited by

Antony John Kunnan
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Selected Papers from the 17th Language Testing Research Colloquium, Long Beach
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To

Professor Jacob Tharu
of the Central Institute of English and Foreign Languages, Hyderabad,
who first introduced me to language test validation
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Although validation of language (second and foreign language) assessment instruments is considered a necessary technical component of test design, development, maintenance, and research as well as a moral imperative for all stakeholders who include test developers, test-score users, test stockholders, and test-takers, only recently have language assessment researchers started using a wide variety of validation approaches and analytical and interpretive techniques.

This volume, which is made up of selected papers from the 17th Language Testing Research Colloquium, the premier annual international conference, contributes to this variety by presenting diverse approaches with an international perspective of validation in language assessment. The volume opens with an introduction to approaches to validation in language assessment in published research in the last 15 years. This is followed by 11 chapters in 3 sections: Part I presents four papers that focus on validation through the stages of test development and test-taking process. Part II presents six papers that focus on validation by examining data from test-taker characteristics and test-taker feedback. Part III presents an analytical assessment of the presentations at 15 Language Testing Research Colloquiums. In all, the 12 chapters provide excellent examples of the different approaches language assessment researchers have taken to validation. In addition, the international perspective offered coupled with an annotated suggested readings list after each chapter should interest a wide variety of individuals interested in validation of language assessment instruments.
graduate and doctoral students of language assessment and evaluation, educational researchers, and government administrators and policymakers.

This volume has benefited from many who contributed careful thoughts, exemplary diligence, and above all, saintly patience. Obviously, I would like to thank all the contributors not only for taking the time to write their papers, but also for taking the time again to revise them in the light of my views as to the nature the volume should take. Less obviously, I am grateful to Lyle Bachman for his invaluable encouragement and advice toward this project, to the three reviewers for providing insightful comments on all the papers, and, to Naomi Silverman of Lawrence Erlbaum Associates for her quiet persuasion and commendable attention to quality, without whose interest this volume would not have been published. To all who were present at LTRC '95 in Long Beach, I want to thank you for waiting patiently for this volume. I hope it is just in time to bring back many memories, including a quiet night of stars aboard the Queen Mary!

Antony John Kunnan
Foreword

Lyle F. Bachman
University of California, Los Angeles

The 17th annual Language Testing Research Colloquium (LTRC) was held March 24-27, 1995, in Long Beach, California, with the theme “Validity and Equity Issues in Language Testing.” The plenary address entitled “Validity and Equity Issues in Educational Assessment” was given by Eva Baker, Director of the University of California, Los Angeles’ Center for Studies in Evaluation, and Co-Director of the National Center for Research, Evaluation, Standards, and Student Testing. This was followed by a panel discussion of validity and equity issues in assessment by distinguished scholar/researchers from the fields of language testing, educational measurement, and educational policy. This opening session set the theme and tone for the presentation of many outstanding papers presented, 11 of which are included in this volume.

The theme of validity is no stranger to the LTRC, as can be seen in the paper by Liz Hamp-Lyons and Brian Lynch in this volume. Indeed, validation has been a major thread running through virtually all the LTRCs since the first in 1979, whose stated theme was “The Construct Validation of Tests of Communicative Competence.” That first LTRC grew out of the ferment brought about by the confluence of two differing views of language ability and their implications for language testing: John Oller’s unitary trait hypothesis and Mike Canale and Merrill Swain’s multicomponential view of communicative competence. As Bachman and Palmer (1988) pointed out in their introduction to the special issue of Language Testing devoted to papers from the 10th LTRC, one of “the focal points that emerged from the first
LTRC was an interest in a broader view of language proficiency as communicative competence" (p. 126). Also emerging from that first LTRC was "a determination to embark on a program of empirical research into the then relatively unknown realm of construct validation" (Bachman & Palmer, 1988, p. 126). Thus, even though the papers presented at that first LTRC were relatively unsophisticated statistically, by today's standards, they raised many of the validity issues, both conceptual and methodological, surrounding the nature of language ability and its measurement that are still with us today.

The continuing LTRC interest in and concern with investigating validity issues in language testing is reflected in the fact that validation has been the theme of six subsequent colloquia, the 2nd (1980), the 3rd (1981), the 4th (1982), the 10th (1988), the 14th (1992), and the 17th (1995). LTRC's interest in validity issues has had, I believe, a substantial influence on the field itself. Papers presented at the LTRC regularly appear in Language Testing and other professional journals in applied linguistics. In addition, nine volumes, including this one, of selected LTRC papers have been published over the years, adding an invaluable resource to the research literature now available to language testers. Individuals interested in language testing research may also log on to the International Language Testing Association (ILTA) home page at http://www.surrey.ac.uk/ELI/ilta/ilta.html to access all past LTRC program books, which include paper abstracts and many of the papers themselves.

Our understanding of validity and the process of validation has deepened since the first LTRC in 1979, as is discussed in Antony Kunnan's introduction to this volume, and demonstrated, I believe, by the bibliographic entries in the Appendix to his introduction. This deepened understanding reflects both the expanded view of validity in educational measurement and an awareness that language testing presents validity conundrums of its own. At the same time, our technical and methodological toolbox has expanded, so that it is now commonplace to see LTRC papers and journal articles in language testing that employ computer-based and multimedia approaches to test design and administration, as well as structural equation modeling, many-facet Rasch and generalizability theory in the analysis of test results and the validation process. The role of the LTRC in expanding our awareness of the immense scope of validation research, will, I believe, continue to be vital. An increasing number of researchers from other areas of applied linguistics and from educational measurement are attending the LTRC on a regular basis, providing the opportunity for greater links between language testers and researchers in these fields. I am also confident that published volumes of LTRC papers, including this one, as well as those from subsequent LTRCs, will continue to define the cutting edge of validation research in language testing.
REFERENCE

CHAPTER 1

Approaches to Validation in Language Assessment

Antony John Kunnan
California State University, Los Angeles

Since the 1960s, the central location of intense language assessment (and testing) research has been validation. In the 1960s and 1970s, language assessment developers and researchers, like fellow educational and psychological testing and measurement researchers (Angoff, 1988), initially followed the rather narrow 1954 and 1966 Standards for Educational and Psychological Tests and Manuals (American Psychological Association [APA], 1954, 1966) and the Cronbach and Meehl (1955) proposal, devoting their attention to the five traditional types of validity: face-content, criterion-related, predictive, concurrent, and construct. Evidence of this segmented approach to validation can be seen in the numerous language assessment research studies reported in journals and textbook chapters of this period and even later (Alderson, Clapham, & Wall, 1995; Hughes, 1989; Lado, 1961).

In 1985, the revised Standards (APA, 1985) was published, and its greatly expanded view of validity included testing standards for different purposes, contexts, and groups. It also asserted that validity is a unitary concept, referring to the "appropriateness, meaningfulness, and usefulness of the specific inferences made from test scores" (p. 8). About this time, Messick (1980, 1989) presented his fully articulated thoughts regarding a unified validity framework. He (1989) asserted that a unified validity framework could be constructed by distinguishing two interconnected facets of the unitary validity concept. One facet is the source of justification of the testing, being based on appraisal
TABLE 1.1
Progressive Matrix View of Validity

<table>
<thead>
<tr>
<th>Test Interpretation</th>
<th>Test Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evidential basis</td>
<td>Construct validity</td>
</tr>
<tr>
<td></td>
<td>Construct validity + Relevance/utility</td>
</tr>
<tr>
<td>Consequential basis</td>
<td>Construct validity + Value implications</td>
</tr>
<tr>
<td></td>
<td>Construct validity + Relevance/utility + Value implications + Social consequences</td>
</tr>
</tbody>
</table>

From Messick (1989).

of either evidence or consequence. The other facet is the function or the outcome of the testing, being either interpretation or use. If the facet for source of justification (that is either an evidential basis or a consequential basis) is crossed with the function or outcome of the testing (that is, either test interpretation or test use), we obtain a four-fold classification. (p. 20)

When Messick's framework is read as a progressive matrix with the different facets contributing to this unified validity concept, the overall influence of construct validity and the critical importance of each facet become clearer. This progressive matrix view of Messick’s fourfold classification of facets of validity is presented in Table 1.1.

This was the first time concepts such as value implications and social consequences were introduced within the framework of assessment validation, offering the scope and possibility of including constructs of social and cultural difference and social consequences in validation research. Although this unified framework has been widely accepted by educational and language assessment and testing researchers and today is the cornerstone for most validation research, not all aspects of this framework have received equal research emphasis, and these gaps will be noticeable in subsequent sections of this introduction.

IMPLICATIONS OF MESSICK’S FRAMEWORK FOR LANGUAGE ASSESSMENT

Implications of Messick’s framework specifically for language assessment and test developers and researchers was first outlined by Bachman (1990). Under the category of evidential basis for validity, he lists five different types of empirical evidence that can be collected in support of construct validity. Bachman stated that the most powerful types of evidence are correlational evidence regarding item scores and test scores (and by default, language proficiency and test dimensionality) as well as experimental evidence re-
garding the effects of experimental treatment. Other types of evidence he listed include analyses of test-taking processes, studies of group differences among test takers, and studies of changes over time.

Under the category of consequential basis for validity, Bachman lists four areas to be considered in the interpretation and use of test scores: (a) construct validity, or the evidence that supports the particular interpretation; (b) multiple perspectives on value systems from test takers, test developers, and test users; (c) practical usefulness of tests; and (d) misuse of tests, the ethics of test use, and the social consequences of test invalidity to society. Bachman also argued that it is necessary to consider alternatives to testing as an area of examination of social consequences of testing.

Organizing these themes as listed by Bachman in Table 1.2 would, on the one hand, clearly show the different lines of inquiry that are possible and necessary and, on the other, show how the different lines of inquiry fit together into the unified concept of test validation.

**VALIDATION STUDIES IN LANGUAGE ASSESSMENT**

Translating the language assessment and testing research themes presented in Table 1.2 into key research projects that have engaged language assessment researchers will shed light on the areas where the focus has been and perhaps adequate understanding of issues does exist, where there are gaps, and where more attention is needed. A survey of assessment validation research in the post-1980 period was conducted for this purpose.

Table 1.3 presents the names and years of the researchers and research studies organized in the Messick framework; citations are presented in the

<table>
<thead>
<tr>
<th>TABLE 1.2</th>
<th>Language Assessment Research Themes in Messick's Framework</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Evidential basis</strong></td>
<td><strong>Test Interpretation</strong></td>
</tr>
<tr>
<td>1. Proficiency components</td>
<td>1. Test-taking processes</td>
</tr>
<tr>
<td>2. Test dimensionality</td>
<td>2. Test-taking strategies</td>
</tr>
<tr>
<td>3. Test-validation process</td>
<td>3. Test-taker characteristics: Academic background, native language and culture, field in/dependence; DIF studies: native language and culture, gender, ethnicity, age, etc.</td>
</tr>
<tr>
<td>4. Test development: New test methods, rating scales, conditions, etc.</td>
<td><strong>Consequential basis</strong></td>
</tr>
<tr>
<td><strong>Value system differences:</strong> Test-taker and specialists' feedback</td>
<td>1. Social consequences and washback</td>
</tr>
<tr>
<td></td>
<td>2. Ethics, standards and equity</td>
</tr>
<tr>
<td></td>
<td>3. Alternatives</td>
</tr>
<tr>
<td>Test Interpretation</td>
<td>Test Use</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------</td>
</tr>
<tr>
<td><strong>Evidential Basis</strong></td>
<td></td>
</tr>
</tbody>
</table>

1. **Proficiency components**
   - Oller & Hinofotis, 1980
   - Flahive, 1980
   - Scholz et al., 1980
   - Bachman & Palmer, 1981, 1982
   - Carroll, 1983
   - Oller, 1983
   - Hinofotis, 1983
   - Upshur & Homburg, 1983
   - Vollmer & Sang, 1983
   - Sang et al., 1986
   - Hale, 1989
   - Turner, 1989

2. **Test dimensionality**
   - Henning et al., 1985
   - de Jong & Glas, 1987
   - Davidson, 1988
   - Boldt, 1989, 1992
   - Henning, 1992
   - McNamara, 1991
   - Choi & Bachman, 1992
   - Blais & Laurier, 1995

3. **Test-validation process**
   - Davies, 1984
   - Clark, 1988
   - Bachman et al., 1988, 1995
   - McNamara, 1990
   - Shohamy & Inbar, 1991
   - Kunnan, 1992
   - Shohamy, 1994
   - Scott et al., 1996
   - Cumming & Mellow, 1996

4. **Test development:** Cloze, c-test, translation, summary, vocabulary
   - Alderson, 1989
   - Bachman, 1982
   - Brown, 1987, 1993
   - Chapelle & Abraham, 1990
   - Jonz, 1991
   - Klein-Braley, 1985
   - Buck, 1992
   - Huhta & Rendell, 1996
   - Read, 1993

   - Scales
   - Davidson & Henning, 1985
   - Chalhoub-Deville, 1995
   - Milanovic et al., 1996
   - Tyndall & Kenyon, 1996

1. **Test-taking processes**
   - Alderson, 1990a, 1990b
   - Buck, 1991
   - Perkins, 1992
   - Ross, 1992
   - Lumley, 1993
   - Rost, 1993
   - Freedle & Kostin, 1993
   - Hale & Courtney, 1994
   - Stansfield & Kenyon, 1996

2. **Test-taker strategies**
   - Anderson et al., 1991
   - Wijh, 1996

3. **Test-taker characteristics:**
   - Academic background
     - Alderson & Urquhart, 1985
     - Chihara et al., 1989
     - Hale, 1988
     - Clapham, 1993, 1996
     - Jensen & Hansen, 1995
   - Native language/culture, gender, ethnicity, age
     - Swinton & Powers, 1980
     - Alderman & Holland, 1981
     - Chen & Henning, 1985
     - Zeldner, 1986, 1987
     - Oltman et al., 1988
     - Duran, 1988
     - Angoff, 1989
     - Kunnan, 1990, 1994
     - Ryan & Bachman, 1992

   - Field in/dependence
     - Stansfield & Hansen (Ross), 1983
     - Hansen (Ross) & Stansfield, 1984
     - Chapelle, 1988

(Continued)
1. VALIDATION IN LANGUAGE ASSESSMENT

TABLE 1.3
(Continued)

Contexts
Hamp-Lyons, 1991
Spaan, 1993
Cohen, 1993

Consequential Basis

1. Value system differences: Test-taker feedback
Cohen, 1984
Zeidner & Bensoussan, 1988
Bradshaw, 1990
Brown, 1993
Peirce & Stein, 1995
Specialists' feedback
Elder, 1993

1. Social consequences: Impact & Washback effect
Wall & Alderson, 1993
Messick, 1996

2. Ethics, Standards, Equity
Spolsky, 1981
Stansfield, 1993
Tharu, 1993

3. Alternatives
Oscarsson, 1989
Heilman, 1990
Hamayan, 1995

Appendix at the end of this chapter. Here is a brief description and comment on this list of key studies. In the Test Interpretation section under Evidential Basis, the focus is on four research areas: language proficiency components, test dimensionality, test validation process, and test development.

Studies on language proficiency primarily investigated whether language proficiency was multicomponential, or unidimensional as was claimed by Oller and his colleagues (see Oller & Perkins, 1980). Researchers vigorously pursued this question using several methodologies such as correlational analysis, exploratory and confirmatory factor analysis, and multitrait–multimethod design with test performance data from different tests and contexts. They found satisfactory and convincing evidence from the analyses that language proficiency was multicomponential, not unidimensional. This led to the conviction, for most researchers at least, that language proficiency is multicomponential.

This line of research shifted in the late 1980s to capture a second perspective on the same issue: test dimensionality. Analyses were predominantly conducted with different applications of Item Response Theory (IRT), such as the Rasch Model, the two- and three-parameter models, and the Bejar procedure. Despite the intense activity in these areas, the main questions regarding the specific components of the multicomponentiality of proficiency and dimensionality of language tests have not been unambiguously answered.
The third line of research, pursued with much persistence, has been finding evidence for test validation by analyzing test performance data. These studies have included analyses of tasks and abilities, oral and written language samples, reading texts and question types, and test scores. Different methodologies have been used including content analysis, factor and cluster analysis and generalizability theory, and IRT.

The fourth line of research, test development research, has seen much activity, specifically in examining new tests, new rating scales and experimental test conditions. Findings from these studies have been valuable to both test developers and researchers.

The key studies in the Test Use category in the Evidential Basis section fall into three categories: test-taking process, test-taking strategies, and test-taker characteristics. The studies in the test-taking process category have examined various test-taking processes in skill areas such as reading and listening comprehension, oral proficiency, and scaling of speaking tasks. The test-taking strategies studies focus on strategies used by those taking tests. As is obvious from the few studies in this category, much more needs to be done so that there can be a better understanding of test-taking strategies deployed by test takers in different test contexts. The studies under the category of test-taker characteristics have focused on test takers’ academic background, native language and culture, gender, ethnicity, field in/dependence and differentially item functioning. This area of investigation has generated awareness among test developers and researchers that test takers from certain social, cultural, academic, native language and culture, gender, ethnicity, age, and learning style groups might be affected by a test or its items in ways that are not relevant to the abilities being tested. Moreover, these studies have also been in the forefront of asking whether tests or items and score use are fair to all test takers.

The list of studies in the Consequential Basis section compared to the list in the Evidential Basis section is smaller and more recent; it is here that the yawning gaps lie. Under the Test Interpretation category, the small number of studies have focused primarily on obtaining feedback from test takers regarding tests they have taken. This type of research has recently also included feedback from college or university subject matter specialists on tests. Both groups have been able to provide opinions regarding test content, test format/method, test process, and test propriety, all of which up till now were assumed to be known by test developer and researchers.

Under the Test Use category, three areas of interest have developed: social consequences, mainly washback effect; ethics, equity, and standards; and alternatives to tests. Although the topic of washback effect has been discussed in language testing for many years, systematic attempts to understand the phenomenon were made only recently. The few studies on ethics and standards on the one hand have focused on the need for responsibility
and accountability in language testing, and on the other have targeted technically appropriate procedures or standards for test developers and agencies in test development, interpretation, and score use. Finally, under the general area of research called alternatives, a few researchers have typically focused on self-assessment as an alternative way of doing what tests typically do.

Presenting these studies in Messick's framework offers an examination of the different research themes in assessment validation that have been investigated over the past 16 years. This presentation reveals an imbalance in the attention researchers have given these facets of Messick's framework. Test Interpretation in the Evidential Basis section has received the most attention and is clearly the conventional approach in examining test validation. Test Use in the Evidential Basis section has received more recent attention, and Test Interpretation and Test Use in the Consequential Basis section is just beginning to receive attention. In general, this imbalance has to be corrected. Furthermore, the approach used in these last three areas is in contrast to the conventional approach and can perhaps be termed a postmodern approach in examining test validation. Moreover, if the language assessment and testing community is committed to understanding its place in postmodern societies, then it is not just the unbalanced approach to assessment validation that needs to be reexamined, but a proactive research agenda that focuses on Test Interpretation and Test Use under Consequential Basis has to be formulated (see Kunnan, 1997 for an argument connecting fairness with validation).

THEMES FROM INDIVIDUAL CHAPTERS

The chapters in this volume in many ways further our understanding of assessment validation approaches that belong to both the conventional and the postmodern approach, although they focus more on the latter approach. Following Cumming's (1996) model, Table 1.4 presents the chapters in this volume under Messick's unified framework.

The 11 chapters that follow are presented in three sections: test development and test-taking process (4 chapters), test-taker characteristics and feedback (6 chapters), and general validation (1 chapter).

Dorry Kenyon's chapter leads the discussions in section I, which illustrates the conventional approach to assessment validation research. Kenyon investigates foreign language students' perceived difficulty in performing various speaking tasks in a manner consistent with the hierarchical characterizations of these tasks in the Speaking Proficiency Guidelines of the American Council on the Teaching of Foreign Languages. Using language test performance data from high school and college students in French,
TABLE 1.4
Themes and Chapters in This Volume, Following Messick's Framework

<table>
<thead>
<tr>
<th>Test Interpretation</th>
<th>Test Use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Evidential Basis</strong></td>
<td></td>
</tr>
<tr>
<td>Test development</td>
<td>Test-taking process</td>
</tr>
<tr>
<td>Read, chapter 3</td>
<td>Kenyon, chapter 2</td>
</tr>
<tr>
<td>Fortus et al., chapter 4</td>
<td></td>
</tr>
<tr>
<td>Wiggelsworth, chapter 5</td>
<td></td>
</tr>
<tr>
<td>Test-taker characteristics</td>
<td></td>
</tr>
<tr>
<td>Purpura, chapter 6</td>
<td></td>
</tr>
<tr>
<td>Clapham, chapter 7</td>
<td></td>
</tr>
<tr>
<td>Ginther &amp; Stevens, chapter 8</td>
<td></td>
</tr>
<tr>
<td>Brown &amp; Iwashita, chapter 9</td>
<td></td>
</tr>
<tr>
<td>Hill, chapter 10</td>
<td></td>
</tr>
</tbody>
</table>

| **Consequential Basis** |          |
| Test-taker feedback |          |
| Norton & Stein, chapter 11 |    |

**Perspective on Validation Research**

<table>
<thead>
<tr>
<th>Kunnan, chapter 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamp-Lyons &amp; Lynch, chapter 12</td>
</tr>
</tbody>
</table>

German, and Spanish, Kenyon employed the many-facet Rasch model for his analysis.

Three chapters on test development follow, each one focusing on a single concern: Read on a new test format; Fortus, Coriat, and Fund on item difficulty; and Wiggelsworth on the special test condition of planning. John Read's chapter focuses on validating the word associates' format as a measure for depth of vocabulary knowledge with test performance data from New Zealand. This word associates' format essentially bridges the gap between measures of breadth and depth of vocabulary knowledge. He also used concurrent measures such as a matching test and an interview to provide evidence for concurrent validity of the new format.

The chapter by Ruth Fortus, Rikki Coriat, and Susan Fund examines the difficulty levels of items in the reading section of an English test in Israel so that test developers can design item pools in accordance with specific needs, such as items for low and high abilities. Isolating the factors that affect item difficulty, they argue, will increase test developers' understanding of the construct validity of the test.
1. VALIDATION IN LANGUAGE ASSESSMENT

Gillian Wiggelsworth's chapter focuses on an important, though neglected, aspect of a test: planning time. Her chapter discusses the effect of planning time on second language oral test discourse in a semidirect oral interaction test in Australia. Using discourse analytic techniques, she examines the nature and significance of differences in elicited discourse across the two conditions of the test in terms of fluency, accuracy, and complexity in the second language.

Section II of this volume focuses on test-taker characteristics and feedback, which illustrates a less conventional approach and arguably a postmodern approach to assessment validation research. James Purpura's chapter presents the development and construct validation of a cognitive processes questionnaire instrument designed to investigate selected cognitive background characteristics of test takers in the United States. The processes considered in this instrument validation study were selecting, comprehending, storing/memory, and using or retrieval. Purpura uses exploratory factor analysis procedures in the development of a taxonomy of cognitive strategies.

Caroline Clapham's chapter examines the effect of language proficiency and background knowledge on students' reading comprehension in the United Kingdom. The aim of Clapham's study is to consider the effect of background knowledge on reading comprehension, and to examine whether an English for specific approach to testing was appropriate. Subject matter and topic familiarity, language proficiency, and level of specificity of topics are variables the author examines with regression and analysis of variance procedures.

The chapter by April Ginther and Joseph Stevens investigates the internal construct validity of an advanced placement Spanish language examination. The authors compare the factor structure of the test of Latin Spanish-speaking test takers with those of Mexican Spanish-speaking, Mexican Spanish-English bilingual, White English-speaking, and Black English-speaking groups in the United States. Implications of differences in factor structure, loadings, and variances are valuable for test developers as well as for test validity research.

Annie Brown and Noriko Iwashita's chapter examines the role of native language background in the validation of a computer-adaptive test. The authors use test performance data from beginning to intermediate students of Japanese and from native speakers of English, Chinese, and Korean on a 225-item multiple-choice test of grammar to identify item difficulties. The difficulty of the items was discovered to be different for the three native languages, and the ramifications of this finding for the validation of a computer-adaptive test are discussed.

Kathryn Hill's chapter investigates the effect of test-taker characteristics on reactions to an oral English proficiency test. Using feedback from different groups of test takers such as Asians and Europeans, male and female,
and students and professionals in Australia, Hill examines questionnaire responses to an oral proficiency test using FACETS, the multifaceted Rasch analysis program.

The last chapter presented in terms of Messick’s consequential basis is Bonny Norton and Pippa Stein’s chapter, which addresses issues of textual meaning, testing, and pedagogy on the basis of their experience piloting a college entrance reading test in English for Black students in South Africa. The authors discuss how the students’ interpretations of the reading comprehension text differed from that of the test developers. They also raise probing questions at the heart of testing, equity, and pedagogy.

As a fitting conclusion to the volume, Liz Hamp-Lyons and Brian Lynch examine research practices of the second- and foreign-language testing community as seen through the Language Testing Research Colloquium series in the last 15 years. The authors focus their analysis on the ways in which test validity and reliability have been addressed both implicitly and explicitly in language testing research. Furthermore, their inquiry explores whether traditional psychometric approaches or newer alternative perspectives and modes of inquiry as suggested in recent measurement literature are used by language testing researchers.

In summary, although these chapters have brought to light the critical themes of language assessment validation through conventional and perhaps postmodern approaches, there are many areas of investigation worthy of attention that are not represented here. These include less popular topics such as standards, equity, and alternatives to testing, as well as traditional topic areas such as proficiency components and test dimensionality.

Furthermore, the Messick test validation framework itself might be characterized as a rather conventional approach to assessment validation. Indeed, it presents just one view of how assessment validation can be conceptualized, researched, and reported. Compelling alternative perspectives deserve serious attention and wider recognition, such as the hermeneutic approach to validation proposed by Moss (1994) and a much more radical and political approach proposed by Cherryholmes (1988) who argues that critical research and history must be represented in validation attempts, as in his opinion, “construct validity decisions are ethico-political and aesthetic as well as social scientific” (p. 127). These alternative approaches will most certainly add to our understanding of assessment validation, even though they could signal a radical departure from the Cronbach and Meehl validation approach of 1955 and the Messick approach of the 1980s that this introduction has traced. Future volumes hopefully will track the conventional, the postmodern, and the radical approaches deployed by language assessment researchers, raising both public and professional awareness regarding assessment validation and resulting in responsible test use in all contexts and for all concerned.
APPENDIX: KEY LANGUAGE ASSESSMENT STUDIES

Test Interpretation: Evidential Basis

Proficiency Components


Test Dimensionality


**Test Validation Process**


**Test Development**

**Cloze, C-Test**


1. VALIDATION IN LANGUAGE ASSESSMENT


*Translation, Summary, Vocabulary*


*Rating Scale Development*


*Prompts, Instructions*


*Test Use: Evidential Basis*

*Test-Taking Processes*


Test-Taking Strategies


Test-Taker Characteristics

Academic Background


Native Language, Culture, Gender, Etc.

1. VALIDATION IN LANGUAGE ASSESSMENT


Field Dependence and Independence


Test Interpretation: Consequential Basis

Value System Differences: Test Takers and Specialists


Test Use: Consequential Basis

Social Consequences and Washback


Ethics, Standards, and Equity


**Alternatives**


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CHAPTER 3 Validating a Test to Measure Depth of Vocabulary Knowledge


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