SIT Graduate Institute/SIT Study Abroad SIT Digital Collections

MA TESOL Collection SIT Graduate Institute

1985

Mini-Course in Demystifying American Spelling: An Historical And Comparative Perspective

Ingrid Prouty
SIT Graduate Institute

Follow this and additional works at: https://digitalcollections.sit.edu/ipp_collection

Part of the Bilingual, Multilingual, and Multicultural Education Commons, Curriculum and Instruction Commons, and the International and Comparative Education Commons

Recommended Citation

Prouty, Ingrid, "Mini-Course in Demystifying American Spelling: An Historical And Comparative Perspective" (1985). MA TESOL Collection. 621.

https://digitalcollections.sit.edu/ipp_collection/621

This Thesis is brought to you for free and open access by the SIT Graduate Institute at SIT Digital Collections. It has been accepted for inclusion in MA TESOL Collection by an authorized administrator of SIT Digital Collections. For more information, please contact digitalcollections@sit.edu.

MINI-COURSE IN DE-MYSTIFYING AMERICAN SPELLING: AN HISTORICAL AND COMPARATIVE PERSPECTIVE

by

Ingrid Prouty

Submitted in partial fulfillment
of the requirements for the
Master of Arts in Teaching degree at the
School for International Training
Brattleboro, Vermont
November 1985

© 1985

Ingrid Prouty

ALL RIGHTS RESERVED

This project by Ingrid Prouty is accepted in its present form.

Project Advisor/Reader Karen Knapp

Acknowledgements: Abundant thanks, hugs and smiles go to the many sources of inspiration, direction, encouragement and facilitation of this project-- especially Pat, my parents, Oma, Opa, Karen, and Zack, Frank and Mort.

Author: Ingrid Prouty

Title: Mini-Course in De-mystifying American Spelling: An

Historical and Comparative Perspective

Degree awarded: Master of Arts in Teaching

Year Degree was Granted: 1985

Name of Principal Advisor: Patrick Moran

Program: MAT (ESOL, BME)

Author's Current Address: Box 281

Stowe, Vermont 05672

Abstract:

This paper is intended as a practical guide to presenting selected areas of spelling problematic for ESL students and native English speakers. The focus is on the history of the English language and comparison with other Indo-European languages as a means of clarifying English spelling "idiosyncrasies".

The study begins with an explanation of the historical comparative viewpoint and suggestions for its application. The chapters are presented in lesson format and followed by several activity possibilities. The appendices provide a compendium of background information and classroom materials relating to the individual chapters. The glossary and annotated bibliography are provided for further reference.

ERIC Descriptors: EFL, ESL, ESOL. Language Instruction, Second Language Learning, Spelling, TEFL

TABLE_OF_CONTENTS

INT	RODUCTION: Reasons for study Purpose, format and progression Integration of material into class Wider applications	1 3 6 10
1:	Introduction to Historical/Comparative View	14
2:	General Historic Overview of English	18
3:	Germanic (Native) Elements	21
4:	Latin and Greek Influence	26
5:	French Influence	30
6:	-GH-(including -IGH, -EIGH, -OUGH, -AUGH)	33
7:	PS-, PN-, MN-, KN-, GN-, -PH-	36
8:	-XC-, -CQ-, -CC-	39
9:	-Сн-	42
10:	-IE- vsEI-	45
APP	ENDICES:	
A	Abbreviations	48
В	Phonetic Transcription Guide	49
С	Languages of the World	50
D	Chief Language Families	54
E	Indo-European Cognates	55
F	Comparison of the Lord's Prayer	56
G	Two Indo-European Language Charts	59
Н	Various Alphabetic and Non-Alphabetic Scripts	61
I	Origins of Different Sound/Letter Correspondences in English	63
J	Introductory List of Words from Language Branches Other than Main Line of English Descent	66
K	Germanic Sound Changes and Spellings	67

TABLE OF CONTENTS

L	Native Grammatical Elements	68
M	Germanic Affixes	69
N	Latin Prefixes, Suffixes and Roots	71
O	Greek Prefixes, Suffixes and Roots	78
P	Sound and Spelling Indicators of French Origin	83
0	Doublets from French	84
R	Starter List of French Vocabulary Contributions by Topic	85
s	-GH- Words with Germanic Cognates	86
T	PS-, PN-, MN-, KN-, GN-, -PH- Word List with Sources and Cognates	88
U	-XC-, -CQ-, -CC-, EX- Word List with Sources	90
V	-EI- Words with Cognates	94
W	Annotated List of Some Etymological Dictionaries	96
ENDNOTES		97
GLOSSARY		98
ANNOTATED BIBLIOGRAPHY		101

INTRODUCTION

Personal reasons

Languages in general have held a great allure for me from my earliest school years. Foreign languages especially I always viewed as fun puzzles to be put together. Somehow the rules-grammar, spelling and sentence formation, for example-- so intensely disliked or feared by many people, appear to me as intriguing puzzles to be solved. Thus, from the start, languages have attracted me rather than "scared me off".

Two main reasons have made my study of languages fascinating and positive. First, starting with German at home, and French from fourth grade on , I was exposed to more than one means of communication at a young age. This provided me with the seeds of a comparative context in which to experience language, of the focal points of this mini-course. Later important impetus to my language awareness occurred form of a Latin teacher who greatly stimulated my curiosity to delve into historical relationships between English and Latin. From this broad interest I have developed a more specific involvement with spelling patterns and backgrounds. One major contribution to my own ease with spelling has been my approach towards it, developed mainly through the influences mentioned above. I have a tendency to notice spelling patterns when I read, and my understanding of the historic backgrounds of words allow me to see the logic in spelling "quirks".

The value of a knowledge of Latin, Greek and French as an aid in the comprehension of English is obvious to most language teachers. In researching the pertinence of language history and comparison to English spelling, however, I have discovered very little available information on the topic and none at all on ways to implement such information in the language classroom. This state of affairs, coupled with my own pleasurable spelling experience, has sparked my enthusiasm to formalize, in thesis form, the useful insights I have gathered during years of fascination with this subject.

Purpose, format and progression

The lessons in this project have been designed as an aid to ESL teachers in presenting the spelling system of American English. The primary purpose of this presentation is to provide historical information about words and languages to increase students' understanding of English spelling and thus help them become better spellers. Rather than focusing on spelling rules, which are amply covered in other texts, I have selected seemingly irrational spellings and attempted to demonstrate their logic and consistencies—wherever existent—by investigating their origins and their cognates in other Indo-European languages.

This information is organized in lesson format. The structure of these lessons encourages students to recognize and use the knowledge about language they already possess (which can be especially extensive and diverse in a multi-cultural ESL class) and then expand upon this information. Accordingly, each lesson consists of an historical explanation and accompanying examples, followed by suggested activities to discover and support further examples.

The primary purpose of this project is to stimulate students to develop an inquisitive approach to spelling mastery. Thus, although speakers of other Indo-European backgrounds will have the most previous applicable knowledge for these lessons, students with non-Indo-European backgrounds should benefit by becoming more aware of English language origins and that the

numerous spelling patterns are based on linguistic history and development. Similarly, this topic has relevance for both native and non-native students of English. Both must acquire the same spelling system.

The level and style of the lessons is directed at high school or junior high school age students, and by varying how much time is spent on each and which activities are applied, each topic can be pursued to the desired or required depth.

The writing of this thesis is based on the assumption that the study of language history and comparisons is a valuable factor contributing to spelling success. in The emphasis relationships and patterns pertaining to spelling is a key means of illuminating the fact that English (or most language) does not exist in isolation, but has innumerable ties to other languages through its own history. In study, those spellings which tend to pose the most difficult obstacles for English students are examined in their historical and comparative contexts.

This mini-course can be integrated into classes in a variety of ways, and some possibilities and suggestions for time allotment, sequencing, content adaptation and overall presentation are considered in the next section of the introduction.

A secondary purpose of this study is to provide groundwork for students and teachers to extend this historical and comparative approach to other areas of language learning, such as semantics and grammar. The final part of this introduction touches on these wider applications and how teachers can further inform themselves on the topics examined.

Appendices and references which support and can supplement the preceding chapters are provided following the individual lessons. The appendices aim to furnish teachers with readyto-use class materials pertaining to the various lessons; the annotated references serve as a time-saving guide in locating additional information.

Integration of material into class

The purpose of this section of the introduction is to provide concrete suggestions as to how to implement the contents of the following chapters into one's curriculum. Some of the suggestions stem from my own experience with the material, others from discussions with educators and students, and also from envisioning situations where this approach to language learning could be applied.

The following are factors in making the contents a functional and successful part of a language program: time allotment, sequencing, content adaptation, and overall presentation.

Time allotment. The amount of time devoted to each chapter and the scheduling of chapters into a curriculum can vary, making the content highly flexible. Depending on how one wants to include word history and comparison in lessons, one has the choice of building entire lessons around this topic, making brief class presentations the basis for student projects, or simply spending five to ten minutes on it every time vocabulary is introduced. In general I have found that short and frequent presentations work better with younger students, whereas with older students sessions can be longer and more in-depth.

Another option is to conduct bi-weekly 30-minute lessons, perhaps one lesson per chapter or one week per chapter, depending on the degree of understanding aimed for.

Sequencing. The sequencing of these chapters need not be

rigidly adhered to; rather, teachers should select pertinent aspects and fit them into the rest of their teaching plan. Nonetheless, I would make a few recommendations for the sake of maximum clarity in the presentation. Before embarking on specific spelling problems in comparative/historical fashion, the student ought to have a general overview of what the comparative/historical approach is and how it can be used to his/her best advantage. In other words, I suggest acquainting students with the broader historical background provided in Chapters 1 through 5 before tackling the particular spellings outlined in Chapters 6 through 10. The first two chapters serve general introduction to define the "historical/comparative view" and to give a sense of how this pertains to English. The remaining chapters can be combined in the way most useful to the class. For example, if Latin and Greek vocabulary is the focus of attention, Chapters 4, 7 and 8 will be the most relevant. Chapter 6 discusses a feature of English that would complement Chapter 3 on Germanic Elements. French Influences (Chapter 5) are most readily seen through further examples in Chapters 8, 9 and 10.

Content adaptation. It is possible to apply the contents of the chapters in various ways, and below are ideas on some of the possibilities.

As the title suggests, these chapters can be presented as a cohesive "mini-course", or unit, on the background of English and its relationship to other languages. The course can be a subject unto itself, based primarily on the chapter material

and any materials used for the activities.

If greater depth or coverage of any topic is desired, these chapters can serve more as "jumping-off" points and/or summaries for outside student research. With the explanation and a few examples as a guide, the student can thus discover patterns and occurrences for himself.

These chapters, either singly or as the proposed mini-course, are designed so that students can work through them individually. Time or students' backgrounds might dictate a more individualized approach to spelling instruction. Rather than devoting class time to an area which would benefit only a small percentage of the class, students needing work in a specific area of spelling could pursue relevant chapters on their own, with or without the teacher's guidance. The chapters have been purposely designed to be concise and clear in their organization, explanations and instructions—for both the teachers' and the students' benefit.

Chapter explanations could also function as starter material and impetus for individual or small group projects related to the spelling feature at hand. If students culminate these projects via oral presentations, they could even provide the teaching to the class in this area, rather than having the teacher always be the source of the material.

Overall presentation. A teacher's final decision on the overall presentation of this material will depend on what will aid which students most in mastering English spelling. If the class is relatively homogeneous in its needs, then the whole class can cover the material together, and one has the greatest number of options in selecting activities. If needs are more diverse and specific, on the other hand, small-group or individual self-study might be the most productive route to take. This choice must be made by the teacher.

In general, I would encourage teachers to draw as much knowledge from their students and into the lesson as possible before giving them information, much of which they may be able to produce themselves. In other words, use the explanations and examples sparingly, to fill in areas that the students do not bring up. This avoids redundancy and the students' feeling that their time is being wasted.

Underlying these chapters is an approach to language learning which is important to bear in mind- a way to understand all of English spelling better, rather than a fixed set of rules restricted to isolated elements. Thus, in the long run, these lessons, which here are treated as individual units, would ideally blend into spelling lessons, thus becoming a natural and integral component rather than merely supplementary material.

Wider applications

Spelling is only one aspect of language which can be viewed from a historical and comparative perspective. The more familiar one becomes with language history and relationships, the more difficult it is to speak about each aspect separately. Even in this brief introductory look at spelling, word meaning has shown its importance as a key to understanding spelling.

Etymology is a useful tool in areas other than spelling, Through it the origin and development of a word's well. meaning, construction and use become clear, and one gains a sense of the context in which the word is best used. Frequently vocabulary words are learned as isolated entities, with little or no connections to the language that students Thus, if students learn the etymology of their already know. vocabulary words in conjunction with the usual spellings meanings, this contextual background can help the words to establish themselves far more concretely in students' minds. In most dictionaries that provide etymologies, cognates also listed. This one source of comparison with other languages can stimulate even the most monolingual English speaker into realizing how much we know of foreign languages just through our own. Likewise, ESL students familiar with another Indo-European language can see how much they already know of English from other languages! Any use of etymologies can only bring about a heightened awareness of the English language and is an easily accessible means of expanding this awareness.

From my own experience, I have found on countless occasions a basic understanding of the relationship of English other Indo-European languages has given me the ability to use foreign languages more fluently and to an increased extent. The principal way is through recognition of corresponding sound patterns in different languages, enabling one "create" vocabulary. For example, many English and German verb cognates are conjugated similarly, and a verb in one language can often serve as an indicator for the type of conjugation to be used in the other, as in sing-sang-sung/German singensang-gesungen (both strong and with the same vowel changes); also in laugh-laughed-laughed/German lachen-lachte-gelacht (both weak and having no vowel change). On the other hand, between German and Norwegian certain vowels or consonants are consistently different:

German: Tag, Zeit, rasch, Haus Norwegian: dag, tid, rask, hus English: day, tide, rash, house

In this case, English cognates correspond closely to the other two Germanic language examples, with the consonants tending to match the Norwegian, and the vowel sounds the German. Among the Romance languages and English there also exist many such patterns, such as the ones underlined below:

école. French: chanter. fumée. Spanish: escuela, cantar, humo. Italian: scuola, cantare, fumo, latte English: school, chant. fume. lactic

This procedure is certainly not foolproof, and at worst a non-existent creation will evoke chuckles from native listeners-but the point is that the more one recognizes inter-language connections and patterns, the better able one becomes at accurately applying this process and making a game of language learning.

This idea of pattern recognition extends to yet another area of language- namely grammar. An understanding of grammatical concepts in one language can greatly facilitate their understanding in another one. Once grammatical concepts patterns are easily recognized, e.g. -lich understood, German, -lig in Norwegian, -lijk in Dutch and -ly in English, all denoting adverbs or adjectives. Likewise, -ment in French and -mente in Spanish and Italian are corresponding adverb indicators. Verb endings and classes frequently correspond within the Romance languages and within the languages. The only remnant of verb endings in modern English the -(e)s in the present third person singular, glance at Old and even Middle English will show language's highly inflected past, as well as its similarities to other Germanic grammatical structures.

My intention in all of these chapters is to present a means of looking at and learning English spelling in a broad context, namely that of using this language's historical and comparative relationships to advantage. Since excellent,

thorough and technical texts abound on the origins development of the English language, this study is concerned with supplying the information needed to actually implement this perspective in the classroom. To achieve this I have aimed to make the explanations and examples complete enough to be usable as presented, yet concise enough for a person unfamiliar with the material to gain an overview of the topic quickly. It would be a mistake, however, to view this introductory study as a complete or final compendium information on the topic; more accurately its purpose is to provide some background knowledge on spelling in an historical and comparative context, and at the same time to show the means by which teachers could add to this information on their own.

In this final introductory segment some extensions of the historical/comparative approach indicate how variously the English language background can contribute to a more effective and total understanding of English—whether as a foreign or native tongue. Spelling, word meaning, and the structure of words and grammar are all intertwined, not only within one language or at a single point in time, but with their linguistic relations and over a great span of time. May this viewpoint encourage teachers and students alike to allow their curious and creative natures greater access to and success with the language learning game!

1: INTRODUCTION TO HISTORICAL/COMPARATIVE VIEW

Summary

In mastering English spelling, it is helpful to realize a few points about language in general. These key points are outlined below and will provide a clearer sense of what is meant by "historical/comparative view", the history and comparison of language as it pertains to our English spelling system.

Key Points

1. Language is alive. English has come from somewhere, and it is going somewhere, although we may not perceive that process in our daily use of it. In other words, English is constantly changing in many ways.

There are a number of ways to observe this language development. Pronunciation, grammar and spelling are a few easily recognizable areas of variation. For example, travel to different regions of Great Britain or the United States reveals some widely differing dialects, noticeable in contrasting pronunciation, grammar and vocabulary usage. Certain differences in spelling convention and vocabulary are another example of language change and development. A further means of observing development in language is by looking at the English literature of various eras.

One obvious characteristic of modern English is the disparity between its pronunciation and spelling. This phenomenon is in part a result of two varying rates of development- a spelling system which has remained relatively constant throughout the past few hundred years, versus a pronunciation which has continued to change and diverge from the established spellings.

2. Languages are related. All languages have a history, and languages that have developed from the same historical roots are classified as a language family. Thus English does not exist as an island among languages; it has many characteristics, including vocabulary, in common with other members of the Indo-European language family.

Familiarity with another Indo-European language besides English can be a great aid in recognizing related words (called cognates) between the two languages. Many similarities— and differences— in spelling repeat themselves. Discovering these relationships with other languages helps one to become aware of the numerous patterns that exist and make English spelling more understandable and logical.

3. Advantages to existing spellings. Much criticism has been voiced against the "irrationality" of English spelling and the fact that it does not reflect the pronunciation of the language. On the other hand, there are some distinct advantages to many of the existing spellings. In particular, these lessons will focus on roots of words that are spelled consistently in their various forms and functions, despite widely divergent pronunciations. Another area of focus is silent, i.e. unpronounced, letters in words, which are not nearly as mysterious when studied in their historical and

comparative contexts. Appendices C through H illustrate some of these historical and comparative relationships.

INTRODUCTION TO HISTORICAL/COMPARATIVE VIEW

Activities

Show dialects in English. Play tapes or records (or make a tape!) exemplifying numerous dialects in the English language (e.g. American southern, Boston, N.Y., Texan, down-east, British cockney, Oxford, Midlands, Scottish, Irish, Australian, Indian, etc.).

Study/fill in Indo-European language chart. Pick one of the I.E. language charts from Appendix G that best suits your purposes, and use it as a study guide, worksheet, or quiz.

Brainstorm cognates. Drawing upon students' familiarity with other I.E. languages, select English words (e.g. from Appendix E) and find cognates for them in other languages.

Look at examples of English literature from different eras and pinpoint changes (e.g. loss of inflections, vowel changes, later appearance of French influence).

2: GENERAL HISTORIC OVERVIEW

Summary

In this and the next three chapters we will investigate the predominant sources of our vocabulary and the spelling systems which have formed them. This chapter provides an overview of the numerous influences on English.

Key Points

- 1. The diversity of influence on English distinguishes it from other Indo-European languages. The English language as we know it today has truly become a blend of diverse sources of vocabulary, grammar and spelling. Over the past two thousand years different groups of wanderers and invaders have made their way to Great Britain and brought their own languages with them. As a result of outside political dominance and different cultures living side by side, a variety of lasting influences changed English in numerous ways. One major and logical area of influence was vocabulary.
- 2. Different rules of spelling apply to words of differing origins. Anyone who studies a foreign language knows that words and letter combinations that look the same in two languages are pronounced very differently from each other. In other words, English spelling rules and patterns are dependent on and reflect the origins of a word when it becomes part of the English language. This statement is valuable for the understanding of English in its historical

and comparative contexts. The idea that several distinct sets of spelling rules apply in English opposes the popularly held notion that our spelling is too varied and irregular to have consistent spelling rules. An example of a sound that is spelled differently depending on word origin is /n/- which has the possibility of being spelled pn in Greek words, gn in some French and Germanic words, kn in Germanic words, as well as the most common plain n representation. Appendix I supplies further examples of this Key Point.

The major contributors to modern-day English vocabulary Э. are the Germanic, Latin. Greek and French languages. Although all are part of the Indo-European family of languages, each has its own special spelling characteristics which have influenced our English spelling system. Ву becoming familiar with these most prevalent traits, it possible to de-mystify many a source of spelling uncertainty! Until the Norman invasion in 1066, the English language only reluctantly admitted foreign vocabulary, which (except for some Latin religious words and a few Roman terms) kept the language more uniformly Germanic in nature. Since that time English has become a language rich in adopted vocabulary, words borrowed from other languages, most importantly the ones mentioned above. However, the influence of other languages on English extends far beyond these four, and Appendix J are some examples to demonstrate the variety of cultures, languages and spelling systems which make up modern English.

GENERAL HISTORIC OVERVIEW

Activities

Etymology search. Have students use a dictionary containing etymologies to research the background of list of words given to them by the teacher. (Include words from minor contributing languages.)

Organize letters and sounds by origin, using Appendix I as a guide, i.e. under the headings Germanic, Latin, Greek, French.

Make a list of words for each of the sound/letter categories provided in Appendix I.

Spell-a-sound. Think of and list the numerous ways in which different sounds can be spelled in English. An English Silent Way chart can serve as a check and organized guide. With as many of the letter combinations as possible, a. identify the languages that contributed them, and b. provide example words for each.

3: GERMANIC (NATIVE) ELEMENTS

Summary

The purpose of this chapter is twofold: one, it traces the geographical and social contexts and development of the English language, and two, it points out some of the distinguishing features of the Germanic segment of our language.

Key Points

- 1. The basis of English is Germanic. This chapter describes Germanic Elements rather than Influences, because Old English of 1000 years ago had developed along the same lines as the other Germanic language branches of Indo-European languages. At that time, its grammatical structure and vocabulary were closely related to- in many cases even identical to- the other Germanic languages. These languages included the Norse (Scandinavian), High German and other Low German languages. (Refer to the Indo-European language charts in Appendix G for more specific relationships!) Thus the core of English remains Germanic, and later contributors to these original elements are more accurately labeled influences on the language.
- 2. The Germanic peoples consisted of many migrating tribes. Geographically speaking, these peoples now occupy much the same areas as 1000 years ago. The several centuries preceding that, however, contained abundant movement of peoples, mostly in the form of invasions. The name of the language, English, derives from one of the Germanic tribes,

the Angles, who traveled to England from what is now northern Germany and southern Denmark. The Saxons came from the North Sea coast, or modern-day Germany. Anglo-Saxon is one name for the language spoken before the Norman invasion of 1066; it is also known as Old English. One more tribe, the Jutes, invaded the south-east corner of England from the part of Denmark called Jutland (or Jylland in Danish). The effect of this influx of people was to push the original inhabitants northward (to present-day Scotland) and westward (to present-day Wales). A few centuries following the three tribes mentioned above, the Scandinavian Vikings made England their first stop in their well-known raids on other lands.

3. All the Germanic languages developed common features which distinguish them from other Indo-European languages. At the time of the Viking migrations to England (800-1000 A.D.), all the various tribes mentioned above had developed their own particular Germanic dialect, but at that time they could still understand one another, because the Great Vowel Shift (which affected the length of vowels) and other sound and spelling changes had not yet occurred and made English distinct from the other Germanic languages.

Since Germanic elements still form the core of our language, this vocabulary covers a broad range of topics, making it difficult to generalize about its nature. Nonetheless, it is possible to describe certain features which pertain especially or exclusively to native English words. Below are some useful guidelines to recognizing and becoming familiar

with Germanic features in vocabulary and spelling patterns in English:

- a. primary stress is usually placed on the first syllable,
 e.g. fa'ther, may'be, wa'gon, or on the root if it is
 2
 preceded by a prefix, e.g. be come', a live'.
- b. sound changes occurring as a result of the First Consonant Shift (systematic consonant changes) differentiate Germanic from other Indo-European languages. An example of this is the word fish. The Latin cognate is pisces; with the First Consonant Shift p became f, resulting in English fish, Norwegian fisk, and German Fisch. The Romance languages, on the other hand, have retained the p in French poisson and Italian pesce. See Appendix K for more specific sound 3 changes.
- c. many core English words relate to everyday occurrences, places, names- the home, the animals, the family, the countryside.
- d. the underlying grammatical structure of our language is Germanic. This native base consists of all pronouns, demonstrative and possessive adjectives, articles, auxiliaries, strong verbs, almost all prepositions and conjunctions, most adverbs of time and place, and numerals (except dozen, million, billion, and milliard). Appendices L and M list these native elements.
- 4. Following the Norman invasion, the great social upheaval profoundly affected the development of English. English became the language of the common people, while French was

adopted by the upper classes and the government, and was used to refer to activities or things remote to peasants' lives. In modern English we can see this in the following example. The names for farm animals, while still alive and tended on the farm, are Germanic-cow, sheep, calf, goat, swine. On the other hand, the terms for these animals when they are served at the dinner table are derived from French-beef(from F boeuf), mutton(from F mouton), veal(from F veau), chevon(from F chèvre), and pork(from F porc).

The more one's vocabulary increases, the more one will discover how rich English vocabulary has become as a result of the many influences on it. English is abundant in synonyms- words the same or similar in meaning- often with one of Germanic origin and another of French and/or Latin origin, e.g. hard/difficult; often/frequently; right away/immediately; maybe/possibly; eat/dine; the list goes on/continues!

GERMANIC (NATIVE) ELEMENTS

Activities

Germanic word search. Study various kinds of texts (different types of literature, newspapers, magazines, specialized articles, comics, etc.) and pick out words of Germanic origin. Compare/contrast proportions of various word origins in each type of text.

Brainstorm Germanic cognates, working from as many Germanic languages as the class has its disposal.

Be a linguistic sleuth! Have students take a group of similarly spelled words and work backward in time with them, determining earlier forms by using their knowledge of basic sound changes and an etymological dictionary, or reverse the above procedure, supplying students with older forms of English words and having students work through sound changes to current forms.

Match Germanic words with appropriate sound change patterns, using words found in the Germanic Word Search activity.

4: LATIN AND GREEK INFLUENCE

Summary

Latin and Ancient Greek are two languages considered "dead", because they are no longer spoken by any group of people. However, as soon as we look at any Indo-European language, we can see how very alive Latin and Ancient Greek still are by the countless influences they have exerted on modern-day tongues. In this chapter, we will investigate the aspects of Latin and Ancient Greek influence which most broadly affect English spelling: the affixes and roots of words.

Key Points

- 1. Roots of words and affixes form the basis of Latin and Greek vocabulary in English. Roots are the base, or main part, of words. Affixes are attachments to, or something "fixed to", a word at the beginning or end of it. In trying to determine which words derive from Latin and Greek, it is helpful to note that:
- a. many Latin and Greek words can be broken into roots and affixes, for example: in/con/spic/uous, anthropo/soph/ical.
- b. a large proportion of the vocabulary related to the sciences, to medicine, to law and to formal studies of any kind, has Latin and Greek origins.
- 2. Asking specific questions can unravel long and complicated-looking words. The questions and steps outlined below are a helpful way to tackle unfamiliar words.

What are the component parts (roots and affixes) of this word? Example: influence---> in - flu - ence

prefix - root - suffix

This step in tackling a new word has various purposes:

- a. it makes a word less threatening because it breaks it down into smaller, more recognizable units;
- b. many of the individual word parts become familiar and "spellable" when divided in this way;
- c. it provides clues to the meaning of the word.

What are the meanings of the different parts of this word?

Example: in - flu - ence

just like - flow - ending to indicate
English in a noun or verb

So, the word means either flow in(to) or something that flows into something else, bringing about a change or a result. If students do not know the meaning of -flu-, for example, often they can think of another word that has the same root or affix in it, e.g fluid (either a noun meaning liquid, which we know flows, or an adjective that describes something smooth-running and graceful) or fluent, which is used about someone who speaks a language so well it flows!

- 3. Determining the meanings of the parts of a word can aid with the spelling of the word in the following ways:
- a. meanings often produce one constant spelling, so if a certain sound has several spellings, the meaning will help you decide which spelling is appropriate.

Example: ante- (=before) vs. anti- (=against,opposite)

An antechamber must be walked through before arriving in the

main room; on the other hand, an anti-ballistic missile is designed to stop a missile coming from the opposite direction. This example shows the importance of meaning in determining proper spelling.

b. by learning a core of root and affix meanings, students will be able to piece together words correctly (and understand them) because they already recognize their parts, even if the word as a whole in new.

Example: pseudonym-----> pseud - onym

from Gk pseudes from Gk onoma (false, lying) (name)

that is, a name that is not one's own, such as an author's pen name. Just with these two meanings it is easy to construct other words using either part of pseudonym: pseud(o) - combines with most any word when describing something deceptive or not genuine, e.g. pseudo-religion, pseudomedic. And with -onym: antonym, synonym, homonym, anonymous and patronymic are some common examples.

4. A good etymological dictionary will rescue students from unfamiliar vocabulary. In Appendices N and O are lists of some of the most used Latin and Greek roots and affixes, with their origins and English meanings. However, students are bound to encounter far more words than can be explained in this limited space, so a dictionary with etymologies becomes essential.

LATIN AND GREEK INFLUENCE

Activities

100

Word breakdown! Give students (or select from students' reading) words of Latin or Greek origin. Have students break them down into prefix, root, suffix, and determine the meaning.

Create-a-word. Have students create new words based on affix and root study, by giving specific affixes and roots to work from. The students cross-check with other students, the teacher or dictionary to verify their accuracy.

Expand the example lists. Find more example words for each of prefixes, suffixes and roots supplied in Appendices N and O. Encourage students to use resources available-books, dictionaries, people, news media, etc. Make this into a game, and share the results (e.g. write up and pass out list, or make on-going wall chart).

5: FRENCH_INFLUENCE

Summary

The French language, from the time the Normans conquered England in 1066, has contributed significantly to the vocabulary of English. One part of this chapter presents the broad categories into which the majority of French borrowings fall. The second part explains how these French words affect English spelling.

Key Points

- The nature of French vocabulary taken into English been determined by the roles of the Normans and later the French in English life. The first French borrowings from the dialect of the conquering Normans, but later, when their influence and prestige had lessened, the Parisian (or Central) dialect became the source of further borrowings. When the Normans invaded England, they took over the government (from the French gouvernement), French became the language of government officials and documents, of the military and of the aristocracy. Courtly living and elegance contributed vocabulary in the areas of dining etiquette (e.g. restaurant menus), clothing and fashion, aspects of art and architecture and skilled trades. Some religious terms also entered the English language through French.
- 2. French influence has left its mark on English spelling in several ways:

- a. the greatest influx of French additions to English was during the two centuries after the Norman Conquest. French has continued to contribute vocabulary on a smaller scale into the present. In some cases therefore, we have doublets, i.e. two differently spelled words (often with the same or related meanings in English) that we received twice from two separate French dialects. Moral/morale and warden/guardian are examples of such doublets.
- b. the entrance of French into English brought about many spelling reforms during the Middle English period (1100-1500), resulting in the Great Vowel Shift, among other spelling and pronunciation changes, as well as a drastic loss of inflections. Thus, the appearance of English was altered considerably in this period. Spellings from the French, such as -gue (rogue) and -ion (region), and dropping the verb endings -est (thou goest) and -eth (she speaketh) are small examples of these far-reaching changes.
- c. typical of many words from French are their Latin roots. It can be difficult to tell whether these words have been borrowed directly from Latin or via French. Sometimes the subject matter gives a clue; sometimes the form of the word makes its path to English clear. This point is illustrated by the French/Latin word pairs frail/fragile and sure/secure.

Further examples of all these areas of influence are located in Appendices P, $\ Q$ and R.

FRENCH INFLUENCE

Activities

French word hunt. Brainstorm as many words deriving from French as possible, using categories as a helpful focus (e.g. by topic-dining, arts, fashion, religion, or by spellings as provided in Appendix R).

Enact real situations where words of French origin are most apparent, e.g. ordering a meal in a restaurant, signing up for a ballet class, going shopping for elegant clothing, being promoted in the military (using ranks). See how many French words can be used in each scene, list them and trace their histories.

Identify French borrowings. From a list of vocabulary including French words and other words with similar/same spelling combinations, identify the French words by using pronunciation and topic as guides. One group of words could consist of: chapter, much, chicken, choke, ache, chase, chagrin, cheese. The -CH- words followed by a and/or pronounced /sh/ are of French origin. Areas in which the French contributed vocabulary include: literature (chapter), royalty (chase, in the sense of a hunt), delights and sorrows (chagrin).

6: -GH- (INCLUDING -IGH, -EIGH, -OUGH, -AUGH)

Summery

This chapter defines the occurrence of -GH- in English spelling and its development and relationships to cognates in other Germanic languages.

Key Points

- 1. -GH- is a spelling combination which occurs either in the middle or at the end of words. Weight, fright, sigh and inveigh are examples.
- 2. Words with -GH- are for the most part quite commonly used and therefore important to know, despite the fact that proportionally they constitute only a small part of the overall vocabulary.
- 3. All have Germanic origins but inveigh and caught, and most also have cognates in other Germanic languages. Inveigh has its origins in Latin invehere, and caught—the past participle of catch—in Old Norman French cachier. An illustration of cognates is the word sight—German Sicht, Norwegian sikt.
- 4. -GH- goes unpronounced in all but a handful of words. This mostly silent -GH- spelling is an indicator that some sound existed here earlier which has since vanished in English. In fact, by looking at cognates in other languages (primarily Germanic) we immediately get an idea what these sounds probably were. In modern German cognates such as richtig(right), we find ch (pronounced as if clearing one's

throat) most often; in other German, Scandinavian and Dutch words g is common (Danish rigtig, Dutch regt), occasionally k (Norwegian riktig) or ck corresponds to English gh. Dutch g is pronounced like German ch; g, k and ck in Scandinavian cognates are pronounced as in English. Interestingly, some Scandinavian cognates no longer pronounce the guttural sound either, and in these cases, unlike the English examples, the spelling reflects this; a doubled consonant then is used where previously a kt or gt existed. For example, the Norwegian word for light (as in weight) is lett, having assimilated the kt into tt. The handful of words with pronounced -GH- include seven with /f/ pronunciation and one alternate spelling with pronunciation. See Appendix S for these and the other -GHwords discussed here.

Activities

Historical word analysis. Work through Appendix S to see where English words and cognates differ other than in -GH-spelling (e.g. laughter/G Gelachter/N latter) and with the help of the Germanic Elements chapter, analyze historical and comparative developments.

Brainstorm -GH- words. Before even looking at the Appendix S list, brainstorm as many -GH- words as students can muster then any cognates they know. In groups or all together, organize words into groups as shown above. Let students look up Middle and Old English forms as an exercise in finding etymologies in a dictionary. Encourage students to discover relationships and patterns and verbalize them. The Appendix S list can then be handed out as handy reference or to complete the students' lists, if desired.

Construct-a-cognate: Before the teacher supplies students with a complete list of cognates, students can try to "build" cognates from English words based on a few examples. Even if the resulting cognates do not agree 100% with actual words, the exercise is useful to increase students' awareness of the existing patterns.

*Remember that a cognate does not mean that the word must have the exact same meaning as in English (though often they are the same or obviously related), only that the words are historically related, i.e. they spring from the same original source.

7: PS-, PN-, MN-, KN-, GN-, -PH-

Summary

This chapter deals with an assortment of letter combinations that distinctly show their Greek or Germanic heritage.

Key Points

\$. \$. 1. This chapter addresses words beginning with the letter combinations PS-, PN-, MN-, GN-, and KN-. Psychic, gnome and knot exemplify such words. -PH- does not follow all the same generalizations as the other spelling combinations, but it is included in this chapter because of its frequent occurrence in Greek-derived vocabulary.

These six letter combinations always form part of the same syllable. This, in addition to their word-initial position, makes them easy to distinguish from words with the same letter combinations in medial or final position. Some examples of such words not discussed here are tipsy, shrapnel, hymn, indignant, design and haphazard. Their derivations are also unrelated to those of the vocabulary covered in this chapter.

- 2. Only the second letter of each letter combination is pronounced (except for -PH-). This is a common feature of words that begin with these letters. The unpronounced letters are remnants of the pronunciation in the Greek or Germanic source languages.
- 3. -PH- represents the /f/ sound in Greek words (only!). It can pop up in any part of a word, most frequently at the

beginning of Greek roots (which might start a word-e.g. phonograph- but can just as well be in the middle of a word-e.g. telephone). Within these six letter combinations, -PH-forms the largest group of words, since the basic roots are numerous and can be used in so many combinations.

4. GN- and KN- occur primarily in words of Germanic origin. Pronunciation and occurrence are the same as for Greek-derived vocabulary. In both cases, these letters let us know that both sounds have been pronounced at one time- in Ancient Greek and Old English, and still are pronounced- the Greek words in Modern Greek and the Germanic words in modern German, the Scandinavian languages and Dutch.

Someone may wonder about the origin of that uniquely-horned antelope, the gnu. Its name comes from the Kaffir (south African tribe) word nqu, in which the q represents a click- a kind of sound that is part of some African tribal languages. It looks like the n and q may have just traded places when the word was brought into English!

A list of words with the six letter combinations discussed here can be found with their sources and cognates in Appendix T.

Activities

Using contextual clues for meaning. Have students study a text or an article on the following topics and pick out terms that have spellings discussed in this chapter: medicine (psych-, psor-, pneu-, phys-, -phobia, mnemonics), philosophy (-phil-, -soph-, pseudo-), religion (-gnostic, pseudo-, psil-). From the text, students attempt to deduce the meaning.

Act-a-word! Have students use mime to act out vocabulary from the list in Appendix T, or additional vocabulary which they have thought of.

Determine word origin. Students look up unfamiliar words from the Examples list and break them into their component parts, determining the meanings of the roots.

Word construction. Given a list of roots (and typical Greek word endings as an extra aid, if wished), students construct as many vocabulary words as possible. This can be used either as an introductory or review activity.

8: -XC-, -CQ-, -CC-

Summary

This chapter tackles an often-occurring spelling obstacle: confusion about when to use which of the above letter combinations. Below are some considerations for presenting and clarifying them.

Key Points

1. Words containing -XC-, -CQ-, and -CC- are of Latin or Greek origin (often taken into English via French). That is, they all consist of an affix and a root and can be broken down into these parts. This breakdown always occurs between the two letters, e.g.

ex/cept ac/qaint ac/cept

2. The meanings of the affixes and the roots provide clues for the proper spelling of a word. The key to distinguishing two similar-sounding words is to first determine the meaning of the whole word. This enables one to select the root and/or affix which makes sense. An example of this process is seen with the words ac/cept and ex/cept.

Both words' roots derive from the same Latin word capere, to

take. One word means to "take to (oneself)", the other "to take/leave out". By knowing that ac-, from the Latin preposition ad, means "to, toward", and e(x) means "out, out of", the decision of which spelling for which word becomes clear.

- 3. Ad- often changes form to assimilate with the initial root sound or letter. This assimilation (letter agreement) is apparent with the -cq- and -cc- spellings and leads to the common error of omitting one or the other letter. Adress for address and acount for account are examples of this. Again, by breaking the words down, each part becomes visible and thus the spelling also becomes more logical.
- 4. Pronunciation indicates whether spelling is -cq- or -cc-.
 -CQ- always has a /k/ sound; -cc- can be pronounced either
 /k/ or /ks/, depending on the root. (C followed by e, i or y
 is almost without exception pronounced /s/, otherwise /k/.)
 When faced with deciding between using the -cq- or the -ccspelling for the /k/ sound, one distinction makes the
 decision simple: -cq is always followed by the /w/ sound; -cc
 never is. Acquire and acquaintance exemplify this
 pronunciation for -cq, and accept and accomplishment do the
 same for -cc.

For further examples, refer to Appendix U.

Activities

Identification of word parts with Latin/Greek source words. Given lists of: a. English -xc-, -cq- and -cc- words and b. Latin/Greek root forms with meanings, students will match the Latin/Greek with its English derivative. If the student knows the meaning of the English word already, identification will be simpler. Conversely, the Latin/Greek list with English meanings will aid students in defining the English words whose meanings they do not know.

Brainstorming words. Have students brainstorm and list as many words as they can think of with -xc-, -cq- and -cc-.

Word breakdown and etymology. As a follow-up to the Brainstorming words activity, or with a teacher-supplied list of words, students break English words into their component parts as described in Key Point 2. They identify the meanings of words from Chapter 4, students' knowledge, or an etymological dictionary.

Etymological spelling bee or quiz. After some practice with roots and affixes, supply students with word definitions and/or Latin/Greek roots and have them give the corresponding English word. E.g.:

Teacher supplies "close/shut out" and/or

eacher supplies "close/shut out"
"ex + claudere"

Students supply and spell "exclude"
This exercise can easily be applied to any words of Latin and Greek origin.

Summary

This chapter addresses the three different pronunciations for the -CH- spelling: $/\check{c}/$ as in chop, $/\check{s}/$ as in attache, and /k/ as in stomach. Guidelines are given to avoid confusion with -sh-, -c-, -k-, and -ck- spellings.

Key Points

1. /c/ is the most common pronunciation for this spelling. The Germanic elements in English and some of our adopted vocabulary, especially words that have been part of English for a long time, use this pronunciation.

Examples: child, chart, cheat, impeach

2. The /š/ pronunciation occurs in words of French origin. These words have retained the same pronunciation (and spelling) they had in French. They make up only a fraction of our vocabulary. Otherwise the /š/ sound is generally represented by sh (or t or c in -ion words.)

Examples: charlatan, attache, cache, chartreuse, echelon, chauvinist

3. -CH- pronounced /k/ indicates Greek origin. The majority of words with this spelling and pronunciation came into English directly from Greek; otherwise via Latin and/or French (as in stomach). The English -CH- spelling in words of Greek origin is a transcription of the original χ (chi) spelling in Greek.

Ex: chemistry, Achilles, cholera, archipelago, archangel, alchemy, choir, chorus, Christian

Exception: Ache is the exception, a Germanic word coming from the OE acan and ME ake.

Activities

Linguistic analysis. Given a list of -CH- words with various pronunciations, students group them according to -CH- pronunciation. Before the teacher provides an explanation, students can try to analyze words' origins by their appearance, topic and students' own knowledge. They can then expand upon the list.

Sound matching and comparison. Students think of possible spellings for each -CH sound and examples for of them. With the teacher's help, they determine the most usual origins of each category of words, e.g. for /č/ sound the tch spelling (watch, match, catch, botch, latch, hatch, satchel, hatchet) - either taken from French, or an older Germanic word given a new spelling with French influence; /š/ represented by sh in words primarily of Germanic origin (shake, wish, fish, shot, etc.) or c, t, s in -ion words from Latin via French (conception, tension, coercion, etc.); /k/ sound, spelled c(k) following a short vowel words of varying origin (track, traction. back, hectic), k(e), often Germanic origins (make, oink, poke, honk, spike, tank, trek), q in words from Latin, sometimes via French, or Germanic origin with adopted French spelling (queen, quit, inquire, etc.).

10: -IE- vs. -EI-

Summary

The question of whether to use -IE- or -EI- can in most instances be satisfactorily solved using a few broad rules. The best known of these is "i before e except after c" and applies well to words of Latin-via-Old French origin. This chapter focuses on the "exceptions" (-EI- words not preceded by c) to this rule, identifying the features they share and explaining them historically and comparatively.

Key Points

40.4

- 1. Most exceptions to the "i before e except after c" rule have a common pronunciation /ey/. The backgrounds of these words are a mixture of Germanic and Old French. In the case of Old French borrowings, the -EI- spelling comes to us directly from the French verb forms, often the third person singular. The Germanic words show less consistency in derivation. One pattern, however, is apparent with the words eight, freight and neighbor, for which the corresponding vowel in other Germanic languages is a (e.g. German acht, Fracht and Nachbar). Middle English especially had many spelling variations for one word, and this has sometimes led to inconsistencies in Modern English spelling.
- 2. Only a small list of words cannot be easily categorized. This is primarily because the pronunciation does not correspond to the word's historical development.

 Seize and leisure, for example, can both be traced back similarly to the aforementioned Old French borrowings.

Height reflects a pronunciation that agrees with right, sight and its adjective form high, yet has retained the -EI-spelling from Middle English height(h)e.

Neither has followed the form of either, which stems from ME either, aither. Formerly (in the 17th century) the pronunciation of either was /eydr/ and belonged in the /ey/ group, but has since developed into /iydr/ or /aydr/.

Looking at weird's history, one can see that the word used to be pronounced /ey/, but has gone a similar route to near and fear in its pronunciation. Some of the older pronunciations can still be heard in Scottish English, e.g. Have you heard is pronounced /Hev ye heyrd/.

- 3. There are a few general rules that apply to words with -IE- and -EI-. Whenever in doubt about whether to use -IE- or -EI-, use -IE- unless the word:
- a. belongs to the -CEI- group;
- b. is pronounced /ey/ as in weigh; or
- c. belongs to the short list of "weird" words.

Some examples are: friend (common mistake!), belief, chief, fiend.

Refer to Appendix V for a more complete list of -EI- words

with their cognates.

Activities

Word observation. Students look up a selection of -IE- and -EI- words, noting origins and spelling patterns. They determine when words use -IE- spelling, how -c- affects spelling and pronunciation possibilities. From these observations, they categorize words into logical units.

Take your pick. Students fill in blanks with -IE- or -EI-spelling for list of words grouped by sound or origin. After having completed spelling of words, students figure out and name the common features of each group. Have them identify cognates for as many of the words as possible.

Cognate recognition and reconstruction. Give the students a cognate chart with some blanks to be filled in based on existing patterns, e.g.

freight	-	ÖΕ		-	G	Fracht
eight	-	OE		·	G	
	-	0E	neáhgebur	-	G	

APPENDIX A: ABBREVIATIONS

AS Anglo-Saxon

D Dutch

Dan Danish

F French (modern)

G German (modern)

Germ Germanic

Gk Greek

Icel Icelandic

IE Indo-European

Ir Irish (Gaelic)

It Italian

L Latin (classical)

LL Late Latin

ME Middle English

MHG Middle High German

ModE Modern English

N Norwegian

OE Old English

OF Old French

OHG Old High German

Per Persian

Port Portuguese

Sp Spanish

Sw Swedish

10: - IE- vs. - EI-

Summary

The question of whether to use -IE- or -EI- can in most instances be satisfactorily solved using a few broad rules. The best known of these is "i before e except after c" and applies well to words of Latin-via-Old French origin. This chapter focuses on the "exceptions" (-EI- words not preceded by c) to this rule, identifying the features they share and explaining them historically and comparatively.

Key Points

- 1. Most exceptions to the "i before e except after c" rule have a common pronunciation /ey/. The backgrounds of these words are a mixture of Germanic and Old French. In the case of Old French borrowings, the -EI- spelling comes to us directly from the French verb forms, often the third person singular. The Germanic words show less consistency in derivation. One pattern, however, is apparent with the words eight, freight and neighbor, for which the corresponding vowel in other Germanic languages is a (e.g. German acht, Fracht and Nachbar). Middle English especially had many spelling variations for one word, and this has sometimes led to inconsistencies in Modern English spelling.
- 2. Only a small list of words cannot be easily categorized.

 This is primarily because the pronunciation does not correspond to the word's historical development.

 Seize and leisure, for example, can both be traced back

similarly to the aforementioned Old French borrowings.

Height reflects a pronunciation that agrees with right, sight and its adjective form high, yet has retained the -EI-spelling from Middle English height(h)e.

Neither has followed the form of either, which stems from ME either, aither. Formerly (in the 17th century) the pronunciation of either was /eydr/ and belonged in the /ey/ group, but has since developed into /iydr/ or /aydr/.

Looking at weird's history, one can see that the word used to be pronounced /ey/, but has gone a similar route to near and fear in its pronunciation. Some of the older pronunciations can still be heard in Scottish English, e.g. Have you heard is pronounced /Hev ye heyrd/.

- 3. There are a few general rules that apply to words with -IE- and -EI-. Whenever in doubt about whether to use -IE- or -EI-, use -IE- unless the word:
- a. belongs to the -CEI- group;
- b. is pronounced /ey/ as in weigh; or
- c. belongs to the short list of "weird" words.

Some examples are: friend (common mistake!), belief, chief, fiend.

Refer to Appendix V for a more complete list of -EI- words

with their cognates.

Activities

Word observation. Students look up a selection of -IE- and -EI- words, noting origins and spelling patterns. They determine when words use -IE- spelling, how -c- affects spelling and pronunciation possibilities. From these observations, they categorize words into logical units.

Take your pick. Students fill in blanks with -IE- or -EI-spelling for list of words grouped by sound or origin. After having completed spelling of words, students figure out and name the common features of each group. Have them identify cognates for as many of the words as possible.

Cognate recognition and reconstruction. Give the students a cognate chart with some blanks to be filled in based on existing patterns, e.g.

freight	-	0E		-	G	Fracht
eight	-	OE	a	_	G	
	-	OE	neáhgebur		G	

APPENDIX A: ABBREVIATIONS

AS Anglo-Saxon

D Dutch

Dan Danish

F French (modern)

G German (modern)

Germ Germanic

Gk Greek

Icel Icelandic

IE Indo-European

Ir Irish (Gaelic)

It Italian

L Latin (classical)

LL Late Latin

ME Middle English

MHG Middle High German

ModE Modern English

N Norwegian

OE Old English

OF Old French

OHG Old High German

Per Persian

Port Portuguese

Sp Spanish

Sw Swedish

APPENDIX F: COMPARISON OF THE LORD'S PRAYER

The Lord's Prayer is presented below in various Indo-European languages (and one non-Indo-European one) to demonstrate cognates.

GERMANIC LANGUAGES

(3)

- English Our Father, who art in heaven, hallowed be thy name. Thy kingdom come, thy will be done, on earth as it is in heaven. Give us this day our daily bread, and forgive us our debts, as we forgive our debtors. And lead us not into temptation, but deliver us from evil.
- Middle English Oure fādir that art in heuenes, halwid bē thī nāme. Thī kyngdôm cumme tô; bē thī wille dôn as in heuen and in ērthe. Ĝif tô ūs this day õūre brēēd quer other substaunce; and forgeue to ūs oūre dettis, as we forgeue to oūre detttoūrs; and lēēde ūs nat in to temptacioūn, but delyuere ūs frē yuel.6
- Old English Faeder ure, bû be eart on heofonum, sîe bîn nama gehâlgod. Tōbecume bîn rîce. Geweorde bîn willa on eardan swä swä on heofonum. Ürne gedaeghwamlîcan hlaf sele ûs tō daeg. And forgief ûs ûre gyltas, swä swä we forgiefad ûrum gyltendum. And ne gelaed bû ûs on costnunge, ac ālīes ûs of yfele.7
- German Unser Vater im Himmel, dein Name werde geheiligt, dein Reich komme, dein Wille geschehe auf Erden wie im Himmel. Unser täglich Brot gib uns heute, und vergib uns unsere Schulden, wie wir unsern Schuldigern vergeben, und führe uns nicht in Versuchung, sondern erlöse uns vom Übel.8
- Swedish Du vår Fader, som är i himmelen! Må ditt namn hållas heligt. Låt ditt rike komma; ske din vilja på jorden, såsom den sker i himmelen. Giv oss i dag vårt dagliga bröd, och förlåt oss vad vi hava brutit, såsom vi förlåta dem som hava brutit mot oss. Och för oss icke in i frestelse, utan fråls oss från det onda.9
- Norwegian Fader vår, du som er i himmelen! La ditt navn holdes hellig. La ditt rike komme. La din vilje skje på jorden som i himmelen. Gi oss idag vårt daglige brød. Forlat oss vår skyld som vi og forlater våre skyldnere. Led oss ikke inn i fristelse, men frels oss fra det onde.10

APPENDIX F: COMPARISON OF THE LORD'S PRAYER

ROMANCE LANGUAGES

- Latin Pater noster qui es in coelis, sanctificetur nomen tuum, adveniat regnum tuum, fiat voluntas tua sicut in coelo et in terra. Panem nostrum supersubstantialem da nobis hodie, et dimitta nobis debita nostra sicut et nos dimittimus debitoribus nostris. Et ne nos inducas in tentationem, sed libera nos a malo.11
- Italian Padre nostro che sei nei cieli, sia sanctificato il tuo nome; venga il tuo regno, sia fatta la tua volonta, anche in terra com'e fatta nel cielo. Cacci oggi il nostro pane cotidiano, e rimettici i nostri debiti come anche noi li abbiamo rimessi ai nostri debitori; e non ci esporre alla tentazione, ma liberaci dal maligno.12
- French Notre Père qui es aux cieux! Que ton nom soit sanctifié, que ton règne vienne, que ta volonté soit faite sur la terre comme au ciel. Donne-nous aujourd'hui notre pain quotidien; remets-nous nos dettes comme nous-mêmes avons remis à nos débiteurs. Et ne nous soumets pas à la tentation, mais délivre-nous du Mauvais. 13
- Spanish Padre nuestro, que estás en los cielos, santificado sea tu nombre; venga tu reino, sea hecha tu voluntad, como en el cielo así también en la tierra. Danos hoy nuestro pan cotidiano. Y perdónanos nuestra deudas, como también nosotros perdonamos á nuestros deudores. Y no nos metas en tentación, mas líbranos del mal.14
- Portuguese Pai nosso, que estás no céus, santificado seja o teu nome. Venha a teu reino. Seja feita a tua vontade, assim na terra como no céu. O pão nosso de cada dia nos dá hoje. Perdoa-nos, as nossas ofensas assim como nós perdoamos aos que nos tém ofendido. E não nos deixes cair em tentação, mas livra-nos do mal.15

APPENDIX F: COMPARISON OF THE LORD'S PRAYER

Ancient Greek pater hemon ho en tois ouranois hagiastheto to onoma sou, eltheto he basileia sou, genetheto to thelema sou hos en ourano kai epi tes ges, ton artn hemon ton epiousion dos hemin semeron, kai aphes hemin ta tois opheiletais hemon, kai me eisenegkes hemas apo tou tonerou. 16

Czech Náš Otče, ktorý si v nebesiach, nech sa posväti tvoje meno! Nech prijde tvoje kráľovstvo! nech sa stane tvoja vôl'a jako v nebi, tak aj na zemi. Daj nám dues náš každodenný chlieb a odpúšť nám naše viny, jako aj my odpúšťame našim vinníkom, a neuvod'nás v pokušenie, ale nás zbav zlého.17

As a striking contrast, a non-Indo-European language is included:

Finnish Isä meidän, joka olet taivaissa! Pyhitetty olkoon sinun nimesi, tulkoon sinun valtakuntasi; tapahtukoon sinun tahtosi myös maan päällä niinkuin taivaassa; anna meille tänä päivänä meidän jokapäiväinen leipämme; ja ann meille meidän velkamme anteeksi, niinkuin mekin annamme anteeksi meidän velallisillemme; äläkä saata meitä kiusaukseen; vaan päästä meidät pahasta. 18

Sources: see Endnotes 6-18.

APPENDIX_I:_ORIGINS_OF_DIFFERENT_SOUND/LETTER_CORRESPONDENCES_ IN_ENGLISH

One sound represented by several letter combinations (with linguistic source) - partial list of vowels

Sound			Letter	r Combination				
191	u	(G)	must, up	iu	(L)	nasturtium		
	io	(F)	question	ia	(F)	martial, partial		
	60	(F)	pigeon	y	(Gk)	ethyl		
	iou	(L)	anxious	ai	(F)	portrait		
	eou	(L)	righteous	ei	(F)	forfeit		
/i/	i	(G)	pit	is	(F)	chassis		
	8	(F)	climate	ois	(F)	chamois		
	ia	(F)	marriage					
/a/	0	(G)	off, mop	augh	(G)	daughter		
•	a	(G)	walk, all	ough	(G)	thought		
	av	(G)	saw, claw	oa	(G)	broad		
	au	(F)	cause, haul			5. 044		
/uw/	00	(F)	too, boot	ui	(F)	fruit		
	ou	(F)	soup, troup	ue	(F)	clue, blue		
•	6A	(G)	new, curfew	eu	(F,Gk)	pneumatic		
/ey/	a	(G)	late, came	aigh	(G)	straight		
	ai	(G)	mail, wait	eigh	(G)	eight		
	ay	(G)	play, day	et	(F)	ballet, bouquet		
	ei	(F)	vein, feign	66	(F)	fiancee		
/iy/	ee	(G)	seed, creep	ei.	(F)	ceiling, receive		
	ea	(G)	steal, peak	ie	(F)	field, relief		
	y	(G)	story, friendly			, - 		
/ör/	er	(G, L)	her, deter	ear	(G)	pearl, learn		
	or	(G)	work, worm	our	(F)	courtesy		
	ir	(G)	girl, whirl	yr	(Gk)	myrrh		

APPENDIX I: ORIGINS OF DIFFERENT SOUND/LETTER CORRESPONDENCES IN ENGLISH

One sound represented by several letter combinations (with linguistic sources) - partial list of consonants

Sound		Letter Combination							
/t/	t th	(G) (Gk)	top, test thyme	bt pt	(F) (F,Gk)	debt, subtle receipt, ptarmigan			
/8/	8	(G) (F)	see, pass city, deceit	pe sc	(L) (Gk)	ascent, science psalm, psychic			
/ž/	ge s	(F)	beige, genre leisure, lesion	z	(F) (F)	azure equation			
/n/	n kn gn	(G) (G) (F,G)	in, not knot, knee sign, gnav	mn pn gne	(Gk) (Gk) (F)	mnemonic pneumonia champagne			
/£/	f ph	(G) (Gk)	if, foot photo	gh	(G)	laugh, cough			
/k/	k ck c	(G) (G,F) (G,F) (Gk)	kiss, skirt sick, jacket cat, cable chorus	q que cq kh	(F) (F) (L,F) (Per)	quit, queen clique acquire, lacquer khaki			
/g/	g gu	(G) (F)	goose, gate guard	gue gh	(F) (L,Gk)	rogue, league ghost, ghoulish			
/š/	sh ch s	(G) (F) (F)	shoe, ship machine, cache sugar, sure	ci si ti	(F) (F) (F)	coercion tension appreciation			

APPENDIX I: ORIGINS OF DIFFERENT SOUND/LETTER CORRESPONDENCES IN ENGLISH

One letter/letter combination representing several sounds (with linguistic sources) - partial list

Letter	` 8	Sounds		Letters	So	ound	8
c	/k/ /s/ /č/	(G,F) (F) (It)	cat, couch cent, recite cello	ough	/o/ /ɔ/ /u v / /ɔf/	(G)	dough, though fought through enough, tough
ch	/č/ /š/ /k/	(G) (F) (Gk)	chop, cheese charlatan choir, chasm		/ ɔ f/	(G)	cough, trough
g	/g/ /ż/ /j/	(G) (F) (F)	go, get genre gentle, cage				

Source: Caleb Gattegno, Key for "The English Language Fidel" (New York: Educational Solutions, 1977).

APPENDIX_J:_INTRODUCTORY_LIST_OF_WORDS_FROM_LANGUAGE_BRANCHES OTHER_THAN_MAIN_LINE_OF_ENGLISH_DESCENT

Aborigine Dutch Indian Malayan (Australia) boss beryl bamboo kangaroo bowsprit camphor boomerand brandy emerald Native American dingo colesiav ginger chipmunk koala cruller musk hominy wallaby duck(cloth) opal moccasin wombat gin pepper moose billabong aolf rice opossum dillybag knapsack sandal persimmon dinkum mart sugar potato Santa Claus safflower raccoon African uproar catamaran skunk voodoo Wagon curry tomato hoodoo mango Wigwam goober Eskino pagoda squash cooter igloo veranda hickory mandarin tamarack Arabic Italian mongoon pecan alcohol calico balcony papoose alcove brigade chintz succotash algebra cavalry jute chocolate alkali cello seersucker cipher colonel dungaree Persian cork duet bungalow check magazine granite punch checkers sofa infantry toddy chess so long miniature sari divan zenith model bangles jasmine zero opera hashish khaki piano cheetah lemon Celtic sonnet mongoose lilac bin umbrella pundit paradise crag volcano sahib shawl curse pariah spinach dun coolie ass cash Yiddish whisky loot schlemiel clan tattoo chutzpah shillelagh pajamas schmaltz brogue shampoo bog guru bard karma place names nirvana and rivers, yoga e.g. Thames

Source: Barnett, The Treasure of Our Tongue

42.1

APPENDIX_K: GERMANIC_SOUND_CHANGES_AND_SPELLINGS

First Germanic Consonant Shift: Proto-Indo-European > Germanic

Pro	oto I.E. (Latin examples)	>	Germanic	
P	pater	>	f E father, G Vater, N	far
t	mater		th E mother, OHG muothe	
k	cordis		h E heart, G Herz, N hj	
b	labium	>	p E lip, G Lippe, N lep	pe .
d	duo	>	t E two, N to, Sw två	
g	genu		k E knee, G knie, N kne	

Second Germanic Consonant Shift: Germanic > German (th>d/t also Norwegian, Swedish, Danish)

Germanic >	German
<pre>f/v E over, N over ></pre>	b (between vowels) G über
th E think >	d/t G denken, N tenke
E weather >	G Wetter, Sw väder
p E apple, N eple >	·
E pepper, N pepper >	G Pfeffer
t E two, N to, Sw två >	z G zwei
E water, N vatn >	ss (after vowels) G Wasser
d E deep, N dyp >	t G tief
s E snore, N snorke >	sch (before 1, m, n) G schnarchen
E smear, N smøre >	G schmieren
E sly, N slu >	G schlau

Typically Germanic Spellings (with cognates):

- sh sheep, shield, ship
 (G Schaf, Schild, Schiff; N skilt, skip)
- sk skin, skirt, sky, ski (N skinn, skjørt, sky, ski)

- th thaw, thin, thanks, thief
 (G auftauen, dunn, Dank, Dieb; N to, tynn, takk, tyv)
- gh laughter, light, through, tight (G Gelächter, Licht, durch, dicht; N latter, lys, tett)
- w ware, wasp, wash (G Ware, Wespe, waschen; N vare, vespe, vaske)

Sources: Peters, <u>Linguistic History of English</u>, p. 48 and Bodmer, <u>Loom of Language</u>, p. 221, 226.

APPENDIX L: NATIVE GRAMMATICAL ELEMENTS

Pronouns: I, you, he, she, it, we, they; me, him, her, us, them; my, your, his, her, its, our, their; mine, yours, hers, his, ours, theirs; myself, yourself, himself, herself, ourselves, yourselves, themselves; this, that, these, those; who, whom, whose, that, which, what, how, why, when; nobody/one, anybody/-one, everybody/-one, somebody/-one

Articles: a, an; the

. . . . • Auxiliaries/Modals: have, be; may, can, shall, will, must; might, could, should, would

Strong verbs(vowel change): e.g. sing-sang-sung; come-came-come; teach-taught-taught; find-found-found; ride-rode-ridden; fly-flew-flown; see-saw-seen

Prepositions: about, above, across, after, against, along, around, at, before, below, beside, between, beyond, by, down, for, from, in, inside, instead of, into, near, of off, on, onto, out of, outside, over, past, since, through, till, to, towards, under, until, up, with, without

Conjunctions: e.g. (al)though, and, as, both...and, but, else, however, (n)either...(n)or, nevertheless, nonetheless, nor, or, so, still, than, that, therefore, when(ever), whereas, where(ver), whether...or, while, yet

Adverbs of time/place: e.g. ago, already, always, everywhere, here, lately, never, now, often, seldom, sometimes, soon, then, there, today, tomorrow, twice, yesterday

Numerals: e.g. one, two, three, four, five, six, seven, eight, nine, ten, twenty to 999,999; first, third, fourth, etc. (not second)

APPENDIX M: GERMANIC AFFIXES WITH EXAMPLES

· ·		
PREFIX	MEANING	EXAMPLES
8.	in, on, at, back	afire, alight, arise, ago, alive, aboard, ashore, asleep
be	make, take away, affect	before, belong, behead, become, behave, bedraggled, belated
for	not, from	forbid, forlorn
fore	before, toward	foretell, forward
forth		forthcoming
mis	wrong	mistake, misdemeanor
out	beyond, more than	outshine, outstanding, outward
to	the, this	today, tomorrow
un	not, undo	unjust, uncouth, unlikely
with	from, against	withdraw, withhold, withstand
SUFFIX	MEANING	EXAMPLES
ar	one who, that which	beggar, liar
ard		haggard, bastard
er		farmer, lawyer, heater
ster		youngster, jokester
d	did	freed, made, said
ed		laughed, walked, cried
dom	subject to, state of	kingdom, fiefdom, martyrdom
el ·	small, little	satchel
en	make, made of	deepen, lessen, wooden
	diminutive, feminine of	kitten, maiden, vixen
er _.	greater than	bigger, brighter, livelier
est	most	greatest, meanest, shadiest
fast	firm	steadfast
fold	times	manifold, twofold
·	full of	beautiful, careful
hood	state of	motherhood, neighborhood
head		godhead, maidenhead
ing	continuing	making, hoping
ish	quality of	selfish, reddish
kin	diminutive	lambkin, bumpkin
less let	without	hopeless, faultless, heartless
ling	diminutive	eyelet
ly.	diminutive	duckling, inkling, gosling
-	like, as	friendly, lovely, quickly
ness ock	state of being diminutive	sadness, ripeness, helpfulness
ship		hillock, bullock
scabe	state, form, condition	lordship, hardship, worship landscape
some	somewhat	lonesome, wholesome
teen	and ten	fourteen, teenager
tide	time, to happen	eventide
ty	times ten	sixty
ward	direction	toward, upward, eastward
vise	manner of, direction of	likevise, otherwise
y	full of, made of	honesty, doughy, sorry, sunny

APPENDIX M: GERMANIC AFFIXES WITH EXAMPLES

English-Germanic Affix Comparison

English	Norvegian	Swedish	Danish	Dutch	German
be-	be-	be-	be-	be-	be-
-er	-er	-are	-er	-er-	-er
-dom	-dom	-dom	-dom	-dom	-tum
for-	for-	för-	for-	ver-	ver-
fore	fore-	före-	fore-	voor-	vor-
-ful	-full	-full	-fuld	-vol	-voll
-hood/head	-het	-het	-hed	-heid	-heit
-ing	-ing	-ing	-ing	-ing	-ung
-ish	-isk	-isk	-isk	-isch	-isch
-less	-løs/laus	-lös	-løs	-loos	-los
-ling	-ling	-ling	-ling	-ling	-ling
-1 y	-lig	-lik	-lig	-lijk	-lich
mis-	mis-	miss-	mis-	mis-	miss-
-ness				-nis	-nis
-ship/ -scape	-skap	-skap	-skab	-schap	-schaft
-some	-som	-sam	-som	-zaam	-sam
un-	u-	0-	u-	on-	un-
-ward				-waarts	-warts
-vise	-vis	-vis	-vis	-wijze	-weise
-y .	-ig	-ik	-ig	-ig	-ich/ig

Sources: Bell, An Orthopy and Orthography, p. 48-49, 52-53 and Bodmer, Loom of Language, p 269.

APPENDIX_N: LATIN_PREFIXES. SUFFIXES_AND_ROOTS

LATIN PREFIXES

Daniel er	W	
Prefix	Meaning	Examples
ab	from, away	absent, abduct
8.		avert
æd	to, at	adapt, adequate
2		agree
a + assimil	lation	accept, affluent, allay, announce,
	·	arrogant, assimilate, attend
ambi	around, both	ambiguous, ambidextrous, ambiance
am	1	amputate
ante	before	antedate
anti		anticipate
bene	well	beneficial, benefit
beni		benificent, benign
bi `	two	bisect, biscuit, bicycle
circum	around, about	circumference, circumnavigate
circu	•	circuit, circulate
con	with, together	contract, concept
COM		compound, computer
cog		cognate, cognizance
CO		copilot, coexist
co + assim:	ilation	colleague, connect, corrode
contra	against	contraband, contradict
contro	agaznec	controversy
counter		
de	down, away from	counterbalance, counterpart
demi	half	deduct, decline, depart, define
dis		demigod, demitasse disappear, disagree, disperse
di	parcing from, aparc	disappear, disagree, disperse
ex ar	out of, former	divert, different, dimension
ef	out of, former	exit, ex-wife, expatriate
6 	•	effect, efficiency
extra	beyond	elect, eject
in(vbs)	-	extraordinary, extraneous
im	in, into, on	investigate, inform, inquire
— ···		impale, impair, improve
in(adj,	not	injustice, infamous
nouns)		
im		impossible, impotent
i + assimi.		illegal, irregular, ignoble
inter	between	interstate, interrogate
intel		intelligent, intellect
intro	within, into	introduction, introspection
intra		intravenous
juxta	near	juxtaposition
male	ill, bad	malevolent
mal		malpractice, malicious
non	not	nonsense, noncommittal
ne		negate, negative

APPENDIX N: LATIN PREFIXES. SUFFIXES AND ROOTS

Latin Prefixes

<u>Prefix</u>	Meaning	Examples
оþ	against	obstruct, obscene, obstinate
0		omit
o + assimi	.lation	occasion, offend, oppose
omni	all	omnipresent, omniscient
pen	almost	peninsula, penultimate
	through	permanent, perspire, permeate
plen	full	plenary, plenty
post	after	postpone, postdated
pre	before	previous, prenatal, present
pro	for, forward	procrastinate, propeller
re	back, again	renew, return, relax, repeat
retro	backward	retroactive, retrograde
8e	aside, apart	seclude, segregate
semi`	half	semi-solid, semi-conscious
sub	under, after	submit, submarine, subconscious
sus		sustain, suspend, suspect
su + assim	nilation	succumb, suffer, suggest,
		summon, support
super	over, above,	superhuman, superfluous,
	beyond	supersede, supervise
supra		suprasegmental
sur		surmount, surface, survive
trans	across	transport, translate, transmit
tra		traverse, traffic
ultra	beyond	ultraviolet
uni	one	unique, unicycle, unisex
vice	in place of	vice-president, viceroy
		•

LATIN SUFFIXES

		- · . - · ·
<u>Suffix</u>	Meaning	Examples
able	that may be	endurable, tolerable, potable
ible	• • • • • • • • • • • • • • • • • • •	feasible, possible, edible
ble		soluble
acious	having the	fallacious
	quality of	
aceous		herbaceous, crustaceous
acy	condition	supremacy, diplomacy
age	condition	bondage, brokerage, leverage
al	relating to,	personal, colonial
	act of	
an	relating to,	African, Mohican
	one who	
ance	state of,	endurance, repentance
	quality of	
ancy		discrepancy
ant	being, one who	militant, blatant
ar	relating to,	muscular
	one who	
er		publisher, commissioner
or		counselor, doctor, conductor
ary	relating to, place where	apiary, planetary, stationary
ery		cemetery, monastery, grocery,
		brewery, stationery, bakery
ate	agent, quality, cause	carbonate, collegiate, appropriate
cle	small	vehicle, follicle
cule		molecule, miniscule
ee	one to whom	employee, lessee, addressee
eer	one who	mountaineer
ier		financier
ence	state of,	prominence, permanence
	quality of	
ency		potency, clemency
ent	being, one who	agent, dependent,
escence	state of, becoming	adolescence, luminescence
escent	becoming	crescent
ess , .	female	lioness, actress, waitress
ette	diminutive	marionette
ferous	bearing	vociferous
fic	causing	terrific
fice	something made	orifice, edifice, sacrifice
fy ice	make	rectify, justify, stupefy
id	that which	notice
ile	being	florid, lucid, humid
	relating to, apt for	infantile, docile, servile
ine	relating to, like	canine, supine

Latin Suffixes

<u>Suffix</u>	Meaning	Examples
ion	act of, state of being	expulsion, dominion, relation
ish	make	publish, polish, finish
ite	one who is, being	
ity	state/quality of	security, equity, quantity
ty	being	liberty, honesty
ive	one who is, having power or quality	
ment	state of being, that which	atonement, testament
mony	state of, that which	matrimony, harmony
ory	place where, that which	memory, promontory
ous	full of, abound-	nervous, superfluous
ose	ing in	verbose, fructose
tude	condition/qual- ity of	solitude, aptitude
ule	minute, tiny	globule, ovule
ulent	abounding in	corpulent, succulent
ure	act/state of, that which	pleasure, measure, tenure

LATIN ROOTS

Latin Source acer acer acer acer acer acer acer a			•	•
aequus equal, just equality, equanimity inquanima, animus agere ag move, do, drive, act set in motion annus enn yearly animal, enniversary biennial, perennial audire cadere cad fall decide, homicide decident cid cid cut off, kill suicidal decide, homicide capere capt capt grasp intercept, exception recipient receive, deceive concett, receipt capt capt bead capt capt bead capt capt capt capt capt capt capt capt	<u> Latin Source</u>	<u>Eng.Roots</u>		Examples
aequus equal, just equality, equanimity inquity anima, animus anim life, soul, mind ag move, do, drive, set in motion annus enn yearly animated, animal audire audi hear acid decadent cid code capere capet grasp intercept, exception recipient ceive ceit conceit, receive ceit conceit, receive cess go cease civis, civitatis cit city clamare clamare claudere clamare claudere clamare claudere clamare claudere claus corpus corpus corpus corpus corpus corpus corpus course diding diding worthy dignis, diding duct draw diding duct draw and decide, homicide decide, homicide decide, homicide capture intercept, exception recipient receive, deceive conceit, receipt conceive, deceive conceit, receipt conceit, receipt conceit, receipt conceit, receipt conceit, receipt conceit, receipt corpus civitatis cit city city citizen, cit	acer	ac	sharp	acid
animus animus animus life, soul, mind agere ag move, do, drive, act set in motion act, actor, transaction annus enn yearly annual, anniversary biennial, perennial audire audi hear audible, audience, audio decident cadere cid cout off, kill suicidal decide, homicide capere cap(t) take, seize, capable, capture cept grasp intercept, exception recipient receipent cout cout off, kill suicidal decide, homicide capere cap(t) take, seize, capable, capture cept cot receipient receipient receipent caput caput capit head capitulate, capital cedere cess go recess, concession cease case case case case cout capture citizen, citize		acer		acrid, acerbic
anime, animus agere agere act act set in motion annus anime aniuel, antiversary biennial, actor, reansaction accoranile anime	aequus	-	equal, just	equality, equanimity
agere act set in motion annus annus pearly set in motion annus annus pearly set in motion annual, anniversary biennial, perennial annual, anniversary biennial, perennial annual, anniversary biennial, perennial annual, anniversary biennial, perennial andible, audience, audio decident cid decident decident decident cid decident decident decident cid decident decident cide capere capt to capt take, seize, capable, capture cept capt receive, deceive conceit, receipt receive, deceive conceit, receipt caput capit head capitulate, capital cedere cede cess go recess, concession cease civis, civ state, citizen, civilization, civil, civic civitatis cit city citizen, city citizen, city clamare claim cry out exclamation, clamor claim, proclaim preclude, exclude inclusion, seclusion corpus corp body corporal, corporation corps, corpse, corpulent incredible, credit decree, creed decree, creed decree, creed dict draw dignus dign worthy dignified decree, fact defect, perfect prease feat feat feat feat feat feat feat fea		•		
annus annus annus yearly annual, anniversary biennial, perennial audire audi hear audible, audience, audio decadere cid cut off, kill decide, homicide cadere cid cut off, kill suicidal decide, homicide decide, capent capet grasp intercept, exception cip cept coit conceit, receipt cept cept coit conceit, receipt cept cept coit conceit, receipt cept cept coit conceit, receipt comment course, cory out exclamation, claim claim claim claim claim corpus corpor body corporal, corporation corpus corpor corpor corpor corpor, corpose, corpulent curs course dicere dice dice ay dictation, dictionary dignus dign worthy dignity, dignified facere face feas feas be feasible feas inclusion, efficient defect, perfect defect, perfect defect, perfect defect, perfect defect, perfect defects feas feasible	•			
annus enn pearly annual, anniversary biennial, perennial audire audi hear audible, audience, audio decadere cid cod fall deciduous caedere cid cut off, kill suicidal decide, homicide capere cap(t) take, seize, capable, capture cip receive deceive conceit, receipt conceit, recede cess go recess, concession cease deceased civis, civ state, citizen, civilization, civil, civic civitatis cit city citizen, city citizen, city clamare clam cry out exclamation, clamor claim, proclaim preclude, exclude inclusion, seclusion corp corps corps, corporation corps, corpse, corpulent corp corp corps, corpse, corpulent incredible, credit decree, creed dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere face do, make fact, deface, facsimile classification, efficient defect, perfect deffy, simplify feat, defeat feasible	agere	_	move, do, drive,	agitate, agile, agent
audire audi hear audible, audience, audio cadere cad fall decadent cid deciduous cadere cid cut off, kill suicidal decide, homicide capere capt grasp intercept, exception recipient capt capt capt capt capt capt capt cap				act, actor, transaction
audire cadere cad	annus		yearly	
cadere cad cid cid cid cid cid cid cid			_	
caedere cid cut off, kill suicidel caedere cid cut off, kill suicidel capere cap(t) take, seize, capable, capture cip cept grasp intercept, exception ccive ceit conceit, receipt caput capit head code, housed cees go recess, concession cease civis, civ state, citizen, civilization, civil, civic civitatis cit city citizen, city clamare clam cry out exclamation, clamor claim claim claim, proclaim claudere clude close, shut preclude, exclude inclusion, seclusion corpus corpor body corporal, corporation corp credere cree dbelieve incredible, credit decree, creed currere cur curs coccur, current cursive, excursion course, recourse dicere dict say dictation, dictionary dignus dign worthy dignity, dignified facere face face feet, defeat feest feet for capture feet, defeat feest feet, defeat feest feet, defeat feest feet, defeat, defeat feest feet, defeat, defeat feest feet, defeat, defeat feest, defeat, defeat feest, defeat, defeat feest, defeat,				
caedere cid cide cut off, kill suicidal decide, homicide capere cap(t) take, seize, capable, capture intercept, exception recipient receive, deceive conceit, receipt capture capitulate, capital capitulate, capital capitulate, capital capitulate, capital cedere ced(e) yield, move, cease, deceased civis, civ state, citizen, corporal, corporalion corpus corpus corpus, corporal, corporation corpus, corpus	cadele		fall	
cide capere cap(t) cap(t) capt				
capere cap(t) cept cept cept cip cip cip ceive ceit cept ceit ceive ceit cept ceive ceit capit capit ceive ceit capit c	caedere		cut off, kill	
cept cip recipient recipient ceive ceit concert, receive, deceive concert, receipt cores, concession cease, deceased civities, civit city citizen, civil, civic citizen, civil, civic citizen, city citizen, civil, civic citizen, city citizen, city citizen, city citizen, city citizen, city citizen, city concure claim proclaim colamn reclaim, proclaim claim, proclaim corpus corpus, corporation corpus, corporation corpus, corporation corpus, corporation corpus, corpus, corpuse, corpulent incredible, credit decree, creed decree, creed curs cursive, excursion course, recourse dicere dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duc lead, take, reduce, producer duct draw aquaduct, duct, conduct face dict fect classification, efficient defect, perfect deify, simplify feat defeat feat feat feat feat feat feat feat	, 			
cip ceive ceit conceit, receipent capit cedere ced(e) cease cease civis, civ civitatis clamare claim claim claudere corp corp corp corp corp corp corp corp	capere	_	•	
caput capit head capitulate, capital capital capit head capitulate, capital capital cedere cess go recess, concession cease course, civitatis cit city citizen, city citizen, city citizen, citizen, claim claim, proclaim claim, proclaim claim, proclaim claim corpor body corporal, corporation corpor cred cred cree (d) cree (d) corporation corps, corpse, corpulent incredible, credit decree, cree (d) course course course dict say dignisty, dignified ducere duc duc draw aquaduct, duct, conduct facer feas feas feasible feat, defeat feas feasible		•	grasp	
ceit caput capit capit cedere ced(e) cess go cease cease civis, civ cititatis cit claim clamare claim corp corp corp corp corp corp corp corp		•		•
caput capit head capitulate, capital cedere ced(e) yield, move, cede, succeed, recede recess go recess, concession cease civis, civ state, citizen, civilization, civil, civic civitatis cit city citizen, city clamare claim cry out exclamation, clamor claim, proclaim claudere clus inclusion, seclusion corpus corpor body corporal, corporation corp corps corps, corpulent incredible, credit decree, creed curs curs cursive, excursion course, recourse dictere dict say dictation, dictionary dignus dign worthy dignity, dignified facere fac do, make fact, deface, facsimile feet feet feet feet feet feet feet fe	•			
cedere ced(e) yield, move, cede, succeed, recede cess go recess, concession cease, deceased civis, civ state, citizen, citylization, civil, civic citizen, city clamare clam cry out exclamation, clamor claim, proclaim claudere clude close, shut preclude, exclude claudere clude close, shut preclude, exclude corpus corpor body corporal, corporation corps, corpse, corpulent corpus corpor corps, corpse, corpulent ceeded believe incredible, credit decree, creed currere cur run occur, current curs cursive, excursion course, recourse dicere dict say dictation, dictionary dignus dign worthy dignified ducere duc lead, take, reduce, producer duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile fic classification, efficient defect, perfect duffy, simplify feat, defeat feat, defeat			•	
cess go recess, concession cease, deceased civis, civ state, citizen, civilization, civil, civic civitatis cit city citizen, claim claim, proclaim claim, proclaim claim, proclaim claudere clus corpor body corporal, corporation corp corps, corpse, corpulent cred believe incredible, credit decree, creed currere cur run occur, current curs course dict say dignity, dignified ducere duct draw aquaduct, duct, conduct facere feat feat feat defeat, defeat feat, defeat, defe	-			
cease civis, civ civ cititatis clamare claim claudere close, shut corpor corpus corpor corp corp corp coredere currere curs course dicere dicer	cedere		- '	
civis, civ state, citizen, civilization, civil, civic civitatis cit city citizen, city citizen, city clamare claim cry out exclamation, clamor claim, proclaim claudere clus inclusion, seclusion corpus corpor body corporal, corporation corps, corpse, corpulent credere cred believe incredible, credit decree, creed occurs curs cursive, excursion course dict dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere for feet for case feet defect, perfect defect, perfect defect, simplify feat fees feesible			go	•
civitatis cit city citizen, city clamare claim cry out exclamation, clamor claim clusion, seclusion corpus corpor body corporal, corporation corpus corpor corps, corpse, corpulent credere cred believe incredible, credit currere cur run occur, current curs course, excursion course dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile fic fect fect deify, simplify feat feas feasible	ciuic			
clamare claim cry out exclamation, clamor claim, proclaim claudere clus close, shut preclude, exclude inclusion, seclusion corpus corpor body corporal, corporation corps, corpse, corpulent incredible, credit decree, creed cur run occur, current curs cursive, excursion course, recourse dicere dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fic fic fect fect fy feat feas feasible	· ·	:		,,
claim claim, proclaim claim, proclaim preclude, exclude inclusion, seclusion corpus corpor body corporal, corporation corps, corpse, corpulent credere cred believe incredible, credit decree, creed currere cur run occur, current cursive, excursion course dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct face fic fic classification, efficient fect fy feat feas feasible			-	
claudere clude close, shut preclude, exclude inclusion, seclusion corpus corpor body corporal, corporation corps, corps, corpse, corpulent credere cred believe incredible, credit decree, creed currere cur run occur, current cursive, excursion course dicere dict say dictation, dictionary dignus dign worthy dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient fect for defect, perfect feat feas feasible	CTAMBLE		cry out	
clus corpus corpor corp corp corpo corpor corpos corpor corpos corpor corpos corpor corpos course cours	claudere		alasa abut	
corpus corpor body corporal, corporation corps, corps, corpse, corpulent incredible, credit decree, creed decree, creed currere cur run occur, current cursive, excursion course, recourse dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile fic classification, efficient fect fy feat feas feasible	orange. E		crose, snut	
credere cred believe incredible, credit decree, creed decree, creed currere cur run occur, current cursive, excursion course dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile fic classification, efficient fect feat feat feat feat feat feat feat fea	Cornue		body	_
credere cred believe incredible, credit decree, creed decree, creed currere cur run occur, current cursive, excursion course, recourse dicere dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facer fac do, make fact, deface, facsimile fic classification, efficient defect, perfect fy feat feas feasible	oor pub		body	
currere cur run occur, current curse course course course, recourse dicere dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient fect fy deify, simplify feat feas feasible	credere	•	believe	
currere cur curs curs course dicere dignus ducere duct facere fac facere curs run cursive, excursion course, recourse dictation, dictionary dignity, dignified fact, reduce, producer aquaduct, duct, conduct fact do, make fact, deface, facsimile classification, efficient defect, perfect defect, perfect deify, simplify feat feat feat feasible	0100010		DETIEVE	
curs course dicere dict dignus dign ducere duct facere fac fic fect fect fect feas cursive, excursion course, recourse dictation, dictionary dignity, dignified dignity, dignified reduce, producer aquaduct, duct, conduct fact, deface, facsimile classification, efficient defect, perfect deify, simplify feat feas feasible	currere		run	
dicere dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient defect, perfect fy deify, simplify feat feas feasible			1 411	•
dicere dict say dictation, dictionary dignus dign worthy dignity, dignified ducere duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient defect, perfect fy deify, simplify feat feas feasible				· · · · · · · · · · · · · · · · · · ·
dignus dign worthy dignity, dignified ducere duct lead, take, reduce, producer duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient defect, perfect deify, simplify feat feas feasible	dicere		esv	
ducere duct lead, take, reduce, producer duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient defect, perfect fy deify, simplify feat feas feasible			-	
duct draw aquaduct, duct, conduct facere fac do, make fact, deface, facsimile classification, efficient defect, perfect fy deify, simplify feat feas feasible			-	
facere fac do, make fact, deface, facsimile classification, efficient defect, perfect fy deify, simplify feat feas feasible			•	· •
fic classification, efficient defect, perfect fy deify, simplify feat feas feasible	facere		·-·	
fect defect, perfect fy deify, simplify feat feas feasible				
fy deify, simplify feat feat feasible				
feat feat, defeat feasible				
feas feasible	!	_	•	
		feas		
	felix	felic	happy	felicitations

Latin Roots

•			
<u>Latin Source</u>	Eng. Roots	Meaning	Examples
ferre, latus	fer	bear, carry	ferry, transfer, offer
	lat		translate, elation
flectere	flect	bend	reflect, inflection
	flex		flex, flexible, reflex
fluere	flu	flow	influence
	fluc		fluctuation
	flux		influx
forma	form	shapte	form, reform, formation
frangere	fract	break	fracture, infraction
	fring		infringe
fundere	fus(e)	pour	infusion, fuse, confuse
	fund	-	refund, fund
gradi	grad	step, walk	graduate, grade
	gress	• •	progress, aggression
haerere	hes	stick	adhesive
	her		adhere, coherent
ire	it	go	exit, itinerary
jungere	junct	join, unite,	junction, conjunction
-	join	connect	joint, join, rejoinder
	jug	yoke	
litera	liter	letter	conjugal, jugular literature, literal
magnus	magn	great	<u>-</u>
manus	man	hand	magnify, magnitude
mergere	merg	plunge, dip	manual, manipulate
3	mers	prange, arp	merge, emerge, submerge
migrare	migr	wander	immerse
mittere	mit	send, let go	migration, immigrant
=	miss	send, let go	permit, admittance
mors	mort	death	mission, missile
mutare	mut		mortal, mortuary
pars	part	change, move part	mutation, commute
pes	ped	foot	part, partition, particle
plicare	plic	fold	pedestrian, pedicure
P	pli	1019	complicated, implicate
ponere	pon	must =1===	pliable, compliant
P	pos	put, place	component, postpone
	pound		deposit, oppose, position
portare	port		compound
rumpere	rupt	carry	portable, import, portfolio
scandere	scend	break climb	interrupt, corruption
DOG!!GE1 E		CIIMD	ascend, descend
scribere	scent		ascent, descent
eci inei e	scrib	write	scribe, scribble, describe
secare	script		script, transcript
secare sedere	sect	cut	section, intersect
Redele	sed	sit	sedentary, sediment
	8688		session, assess, obsession
-	sid		president, residue
	sedat	calm, bring	sedate, sedative
•		to rest	

Latin Roots

Latin Source	Eng. Roots	Waanda.	D
sentire	5 608 507-20575	<u>Meaning</u> feel, think	Examples
Bentile	sent	ieer, think	sensitive, sensible
segui	sequ '	follow	consent, sentiment
aequi	sequ secut	10110A	sequel, subsequent
	secut suit		consecutive, execute
			suitor, pursuit
servare	sue		ensue, pursue, sue
ser vare	serv	save, keep,	preserve, serve
signum	servat	bind	conservative
signum similis	sign	sign	sign, signal, signature
	simil	like	similar, simile
spirare	spir	breathe, blow	inspire, respiratory
stare	sta	stand	stable, constant
	stat		state, statue, status
,	statut	cause to	statute
	stitut	stand	constitution, institute
•	sist		insist, resist, persist
tempus	temp	time	temporary, extemporaneous
tendere	tend	stretch	tendon
	tens		tension, intense
tenere	ten	hold	tenable, tenure
	tent		content, detention
	tin	•	continent, pertinent
	tain	•	container, maintain
trahere	tra	draw, pull	train, trailer
	tract		attract, contract
tribuere	tribut	allot, give	tribute, tributary
venire	ven	come	intervene, avenue
	vent		adventure, event
verbum	verb	word	verb, verbal, verbose
vertere	vert	turn	convert, vertical
	vers		verse, inversion
vincere	vinc	conquer	invincible, convince
	vict		victory, evict
vivere	viv-	live	vivid, vivisection
•	vit		vitality, vital
Vocare	VOC	call	vocal, vocation
volvere	volv	roll, turn	revolve, evolve, involve
	volu	around	revolution, convoluted
			··

Sources: Bell, An Orthography, p. 49-57; Smelt, Speak, Spell and Read English, p. 142 and Monson, "An Introduction to Word Analysis", p. 183-187.

GREEK PREFIXES

Prefix	Meaning	F
22222	not, without	Examples atom
an	not, without	
amphi	around, both	anesthetic
ena	up, again,	amphitheater, amphibian
	throughout	analogy, anabaptist, anachronism
anti	against	antithesis, antiseptic, antiwar
ant		antagonist
apo	away, from	apothecary
auto	self	autogenic, autobiography
cata	down, by,	catacomb, catastrophe
cath	_	catharsis, catholic
deca	ten	decathlon
dia	through, across	diameter, diachronic
qi,	two, double	dichotooy, dioxide
dys	ill	dysentery, dyslexia
ec	out of, forth	eclectic, ecstasy
ex		exodus
en	in	engrave, endemic
em - 1		emphasis
el :		ellipsis
epi 	on	epitomy, epitaph, epidemic
ep		ephemeral
es o	within	esoteric
eu	well, good	euphemism, euthanasia
ev	h-16	evangelist
hemi hemi-	half	hemisphere
hepta hetero	seven	heptameter
hecero hexa	different	heterosexual, heterogeneous
homo	six	hexagonal
hyper	same, similar	homonym, homogenized, homosexual
hypo	above, over&beyond below	hyperactive, hyperventilate
iso		hypothesis, hypoglycemia
macro	equal	isosceles, isotherm
meta	long, large	macrobiotic
me va	beyond, trans- ference	metaphysical, metamorphosis
micro	small	
mono	alone, single	microscope, microcosm
neo	new	monogamy, monologue
octo	eight	neon, neolithic
oct	- Lagric	octopus
ortho	right, straight	octagonal
paleo	old	orthodontist, orthography
pan	all	paleographic pantheism, Pan American
para	beside, near	pantheism, ran American paralegal, paradox
penta	five	pentagon
peri	around	perimeter, periphrastic
poly	much, many	polygamy, polygon
pro	before	prophet, prologue
-		hy chuzet hrozofine

Greek Prefixes

<u>Prefix</u> pros	<u>Meaning</u> to	<u>Examples</u> proselytize
proto	first	protocol, prototype, protoplasm
pseudo	false	pseudonym, pseudoreligion
syn	with, together	synthesis, synagogue, synergy
sym		symbol, symphony, symptom
syl		syllable, syllogism
gy		system, systemic
tri	three	tricycle, tripod, trigonometry

GREEK SUFFIXES

<u>Suffix</u>	Meaning	Examples
&C	relating to, resembling	cardiac, maniac
ic(s)	science of, one who	dialectic, phonics, comic
ical	relating to	comical, logical
ism	state of, act of	socialism, heroism, Confucianism
ist	one skilled in	artist, botanist
ize	render, make	criticize, civilize, finalize
ise		supervise
yze		analyze

GREEK ROOTS

Granic Carrage		
<u>Greek Source</u> aer	<u>Meaning</u>	Examples
,	air	aerobics, airplane, aerial
agoge	training	pedagogical, demagogue
agon	contest	protagonist, antagonism
agros	field	agriculture
andros	male	androgynous
anthropos	human being	anthropology, philanthropist
arch	beginning, origin	archaic, archetype
archon	ruler	monarchy, patriarch, anarchy
aristos	best	aristocratic
arithmos	number	arithmetic
aster	star	astrology, astronomy, asteroid
atmos	vapor	atmosphere
ballo	throw	ball, ballistic
biblos	book	bibliography, bible
bios	life	biology, biographer
chloros	green	chlorine, chlorophyll
chroma	color	Kodachrome, chromosome
chronos	time	synchronize, chronological
cineo	move	cinema, kinetic
cline	bed	clinic, recline
COSTIOS	world	cosmic, sosmos, microcosm
crateo	govern	technocrat, democracy
crites	judge	critic, criticism
cyclos	circle	cycle, cyclone, tricycle
denos	people	democracy, epidemic
derma	skin	dermatologist, epidermis
diskos	dish	discus, disc, discotheque
doxa	opinion	orthodox, doxology
dromes	race, running	velodrome, dromedary
dynamos	bower	dynamic, dynamite
epos	speech	epic
eros	love	erotic
gala, galaktos	milk	galaxy, lactic, lactation
gameo	marry	gamete, monogamous
ge	earth	geography, geologist
genesis, genete	origin, birth	genesis, genetic
genos	kind, race, offspring	genealogy, photogenic
gnosis	knowledge	agnostic, diagnostic
gonia	angle	polygon, trigonometry
gramma	letter	telegram, grammar
grapho	write	graphic, calligraphy
gyne, gynaecos	woman	androgynous, gynecology
hekaton	hundred	hectogram
historia	narrative,	history, story
	research	•
holos	whole	holistic, hologram
homos	similar	homonym, homogenous

Greek Roots

			•
<u>Gr</u>	<u>cek Source</u>	<u>Meaning</u>	Examples
	hora	hour	horoscope
	hydor	water	hydrogen, hydrophobia
	hygiia	health	hygiene
	iris	rainbow	iris, iridescent
	kilioi	thousand	kilogram, kilocalorie
	laos	people	lay, laity
	lithos	stone	monolith, lothograph
	logos	word,	eulogy, dialogue, apology
		reasoning	
	mania	frenzy	maniac, mania, kleptomania
	mater	mother	matriarch
	megas	big	megaphone
	melanos	black	melancholy
	metreo	measure	metric, meter, thermometer
	mimesis	imitation	pantomime, mimicry
	morphe	shape, form	amorphous, metamorphosis
	mysterion	secret, sacrament	mysterious, mystic
	nausia	seasickness	nauseous, nauseating
	nautes	sailor	nautical, aeronautics
	nomos	law, custom	astronomy, autonomous
	odos	way, journey	period, anode, ode
	cikonomos	steward	economy, economics
	oikos	house	ecology
	Onoma	name	onomatopeia, anonymous
	organon	tool, instrument	organ, organic
	paidos	child	pedagogical, pediatrician
	papyros	paper	paper, papyrus
	pater	father	patriarch
	pathos	suffering, passion	sympathy, pathological
	phallos	penis	phallic
	phantasia	appearance, imagination	fantasy, fancy, phantom
	pharmakon	drug	pharmacy, pharmacology
	phileo	love	philosophy, philharmonic
	phobos, phobeo		n phobia, acrophobia
	phone	sound, voice	telephone, cacophony
	photos	light	photography, telephoto
	physis	nature	physical, physics, physique
	plastos	modeled	plastic, chloroplast
	platys	flat	plate, platitude
	pleos	full	plethora, pleopod
	pneuma	lungs, breath	
	boso	create,	poetry, poem,
	nodes nove	compose	onomatopoetic
	podos, pous polemos	foot	podium, tripod
	Potemos	war	polemic

Greek Roots

Greek Source polis polites psyche pyr schema	Meaning city, state citizen mind, soul fire plan	Examples metropolis, policy, police politics psychic, psychology pyromaniac, pyre, pyrex scheme, schematic
schizo	split	schism, schizophrenic
schola	school	scholar, scholastic
scopeo	look at	telescopic, microscope
sema 	sign, symbol	
sophia	wisdom	philosophy, sophomore
sphaera stasis	sphere, globe	spherical, stratosphere
BCES18	posture,	ecstasy, static, apostasy
strophe	standing stil	·
tele	tvist	apostrophe, catastrophe
tere techne	afar	telescope, television
	art	technical, technique
theke	box	discotheque
theoria	reflection, contemplation	theory, theoretical
theos	god	polytheism, theology
therapeia	attendance, care	therapy, therapeutic
thermos	hot	thermal, thermos
thesis	arrangement, order	thesis, parenthesis
tonys	stretching	tone, tonic, tonal
topos	place	topography, topic
typos	model,	type, typewriter,
	impression	stereotype, typical
zyme	yeast	enzyme

Sources: Bell, <u>Orthopy and Orthography</u>, p. 49-57; Smelt, <u>Speak, Spell and Read English</u>, p. 142 and Monson, "An Introduction to Word Analysis", p. 183-187.

APPENDIX P: SOUND AND SPELLING INDICATORS OF FRENCH ORIGIN

Sounds (with spellings) that give clues to French origin:

```
spelled
                -ch-
                                   as in
                                           nonchalant, cheri, chaperone
                -ti-
                                           action, potential
/sk/
                -BC-
                                           scale
/ž/
                -si-
                                           vision
                -s- before u
                                           leisure, treasure
                -ge-
                                           garage, prestige, genre
111
                -j-
                                           jam, juice, joy, jacket
                -g- before e+i
                                           gentle, gem, message
/2y/
                -oi-
                                           boil, moisture
/uw/
                -ou-
                                           soup, tour
/č/
                -ch- before a
                                           challenge, change
/k/
                -q-
                                           quarter, question
                -que-
                                           brusque, critique
/silent/"
                -s- in final pos.
                                           debris, chamois
                -t- in final pos.
                                           ballet, croquet
end stress in
                polysyllabic words "
                                           saloon, campaign, elite
```

Suffixes: see the Latin and Greek suffix lists (Appendices N and O) for English examples.

able	F able	fy F fier
ade	F ade	gue F gue
al	F ale	ic F ique < Gk ikos
ance	F ance	ish F ier, ire
ary	F gire	ism F isme < Gk ismos
ee	Fé	ize F iser
ery	F ier	ment F ment
esque	F e(s)que	ose Fose
	< G isch	our F eux, euse
ess	F ette	ion F ion < L ione

Sources: Bennett, <u>The Treasure of Our Tongue</u>, p. 144-145 and Bodmer, <u>Loom of Language</u>, p. 233.

APPENDIX_Q: DOUBLETS_FROM_FRENCH

French Doublets: these include words with a common source stemming from different time periods and French dialects.

Time		Dialect		
Older	Newer	Norman	Central	
(anglicized)	(French pronun.)	(conquest)	(Parisian)	
chair satchel chaplet damsel rout crotchet moral negligent critic gender liquor tablet	chaise sachet chapeau mademoiselle route crochet morale negligee critique genre liqueur tableau	cap catch case(box) cant(jargon) market caldron castle cattle reward warden warrior wile wicket	chaplet chase enchase chant merchant chaldron chateau chattel regard guardian guerrilla guile guise	

Latin/French Doublets: in the list below, one word comes to us directly from Latin and one from Latin via French. The words coming to us via French are usually more contracted than their Latin counterparts; this contraction has frequently resulted in a diphthong where the Latin derivative retains its consonants.

via Frenc	h	direct Latin	Latin original
conceit		concept	conceptu
deceit		deception	deceptio
constrain	t	constriction	constrictione
dainty		dignity	dignitate
frail		fragile	fragili
strait		strict	stricto
trait		tract	tractu
defeat		defect	defecto
feat		fact	facto
treason		tradition	traditione
couch	4	collocate	collocare
count		compute	computare
coy		quiet	quieto
loyal		legal	legali
mayor		major	majore
royal		regal	regali
penance		penitence	poenitentia
poor		pauper	pauperi
rule		regulate	regulare
sir		senior	seniore
sure		secure	securo
Sources:	Algeo,	Problems in the Origi	
	Bodmer,	Loom of Language, p.	233.

APPENDIX R: STARTER LIST OF FRENCH VOCABULARY CONTRIBUTIONS BY TOPIC

CHURCH: preach, pray, prayer, relic, friar, clergy, parish, baptism, sacrifice, homily, honor, glory, chaplain, procession, nativity, cell, miracle, charity, archangel, religion, service, trinity, saviour, virgin, sermon, virtue, vice, evangelist, passion, paradise, sacrament, saint, chaste, covet, desire, pity, discipline

GOVERNMENT: court, crown, council, counsel, empress, legate, govern, reign, realm, sovereign, country, power, minister, chancellor, authority, parliament, exchequer, people, nation, fief, feudal, vassel, liege, peer, baron, viscount, marquis, duke, prince (but not king, queen or knight), sergeant, lieutenant, captain, major

LAW: just, justice, judge, jury, suit, sue, plaintiff, defendant, plea, plead, summon, cause, assize, session, attorney, accuse, crime, felony, traitor, damage, dower, heritage, property, real estate, tenure, penalty, injury, case, marry, marriage, oust, prove, false, heir, defend, prison, robber, rich, poor, poverty, money, interest, rent

ART AND ARCHITECTURE: art, beauty, color, image, design, figure, ornament, paint, arch, tower, pillar, vault, porch, column, aisle, choir, transept, abbey, cloister, palace, castle, manor, mansion

PLEASURES: pleasure, joy, delight, ease, comfort, flower, fruit, falcon, quarry, scent, chase, leisure, sport, cards, dice, ace, deuce, partner, suit, trump

COOKING: cuisine, sauce, boil, fry, roast, pastry, soup, sausage, jelly, dainty, feast, viand, chef, dinner, supper, dine, beef, veal, pork, mutton, bacon, venison, menu, hors d'oeuvres, appetite

Source: Barnett, Treasure of Our Tongue, p. 132-133.

APPENDIX_S: _-GH-_WORDS_WITH_GERMANIC_COGNATES

ModEnglish	Mid Eng	Old Eng	German	Norwegian	Dutch
might	might	meaht, miht	Macht	makt	magt
nigh	n(e)igh	neah, neh	nah/nach	naer/nå	na
night	ni(g)ht	neaht, niht	Nacht	natt	nacht
knight	knight, cniht	cniht, cneoht	Knecht	knekt	knecht
fight	fight, feht	feoht	fechten	fekte	vechten
right	ri(g)ht	riht	Recht/ richtig	rett/ riktig	regt
sight	si(g)ht	gesiht	(Ge)sicht	sikt	(ge)ziht
light	liht	léoht	Licht/ leicht	lys/ lett	licht
tight	tight, thiht		dicht	tett	dicht
slight	slizt, sleght		schlicht	slett	slecht
plight	pliht	pliht	Pflicht/ pflegen	plikt/ pleie	plicht
blight (bleak)	?blechen	blaecan	bleich	ble(i)k	bleek
high	high, hegh	héah	hoch	høy/høg	hoog
flight	fliht, fluht	fliht, flyht	Flucht/ Flug	flukt/ flyging	vlucht
fright	frigt,	fyrhto	Furcht	frykt	vrees
•	freyht	-,		ar y n c	A1669
alight	alihten	ālīhtan			
tonight	(see night)				
wright (work)	wri(g)hte	wyrhta	(Werk)	(verk)	(werk)
sigh	siken, sighen	sīcan		sukk	
thigh	thi,pih	péoh			dij, dije
-		<i>y</i>			arj, arje
freight	F fret	OHG frëht	Fracht	frakt	vracht
eight	eight	eahta	acht	åtte	acht
neighbor	neighbor	néahgebűr	Nachbar	nabo	buur
neigh	neien	hnaegan		knegge	
sleigh	(slede)		(Schlitten)	(slede)	slee
weight	weght, wight	gewiht	Gewicht	vekt	gewigt
weigh	weien,	vegan	wägen	veie	wegen
height	height(h)e	híehẩu, héahẩu	Höhe	høyde/ høgd	hoogte
sleight (sly)	slei(g)hte	· Mile dan yan	schlau	slu	
straight	strei3t	streht	gestreckt	(ut)strakt	
inveigh	L invehere,	invectum	•		
laugh(ter)	lauhen	hl(i)ehhan	Gelächter	latter	gelach
slaughter	sla(u)ghter, slautir	sleaht, sliht	Schlacht	slakt	slacht
fraught	fra(u)ght	OHG freht	Fracht	frakt	vracht

APPENDIX S: -GH- WORDS WITH GERMANIC COGNATES

ModEnglish taught	Mid Eng ta(ug)hte	Old Eng taehte, tahte	German zeigte	Norwegian	Dutch
thought ought	poght, pouht aughte, oughte	gepoht ähte	gedacht eigen	 eget/egen	gedachte eigen
dough yacht naught	dagh, dogh naught	dāh nawiht, nauht	Teig Jacht/Jagd 	deig jakt	deeg jagt/jach
daughter caught draught (draft)	do(u)ghter cacchen draught	dohter OF cachier dragan	Tochter tragen	datter drage	dochter dragen
sought fought nought wrought enough	souhte (see fight) nought (see wright) inoh, inow, enogh	 nowiht	(ge)sucht (ge)fochten nicht genug	søkt nok	gezoekt genoeg
through, thorough borough plough	-	purh burh, burg ploh	durch Burg Pflug	borg	door burg ploeg
(plow) bough slough drought	bogh slo(u)gh droght, drougth	bog, boh sloh, slog drugad	Bug Schluck (ge)trock-	bog slukk (ut)torkt	boog droog
sough furlough rough slough	swo(u)gh rou,ru(g)h slughe, slouh	swogan ruh	saugen Verlaub rauh Schlauch	suge forlov rå 	zuigen verlof ruw
cough	co(u)ghen, couven		keuchen		kuchen
trough clough (cleft)	trough cloghe, clewch	?clōh	Trog ?Klinge	trug kløft	
hiccough	hiccup				

Source: Webster's New International Dictionary (Springfield: G. & C. Merriam Company, 1913), vols. 1 & 2.

APPENDIX_T:_PS=__PN=__MN=__KN=__GN=__=PH=_WORD_LIST WITH_SOURCES_AND_COGNATES

		•
ENG	BLISH EXAMPLE	SOURCE/COGNATES
PS	pseudo-	Gk pseudes(lying, false)
	pseudonym	Gk pseudes + onuma(name)
	psilanthropy	Gk psilos(bare, mere) + anthropos(man)
	psilology	Gk psilos + logos(word, discourse)
	psilosopher	Gk psilos + sophos(wise)
	psoriasis	Gk psora(skin disease, itch) + osis(abnormal
	-	condition)
	psyche	Gk psyche(soul, mind, understanding)
	psychology	Gk psyche + logos(word, discourse)
	psychiatry	Gk psyche + iatreia(healing)
	psychic	Gk psyche
	psychopath	Gk psyche + pathos(suffering, passion)
PN	pneumatic	Gk pneuma, pneumatos (wind, air, breath, spirit)
	pneumonia	Gk pneumon(lung) + ia(suffix denoting disease,
		among other things)
		.
MN	mnemonics	Gk mnemon(mindful, remembering, memory)
KN	knack	Germ; G knacken(break), Dan knage(crack, crash), E knock
	knapsack	D knapzak < knappen(eat) + zak(bag)
	knave	ME (boy, servant) < AS cnafa(boy, youth);
		G Knabe(boy),D knaap,Icel knapi
	knead	ME knedan < AS cnedan; D kneden, G kneten, N kna
	knee	ME kne < AS cnéo(w); G+D Knie, Icel+N kne, L genu
	kneel	ME knelen, cneolien < AS cnéowlian; D knielen,
		Dan knaele
	knife	ME knif < AS cnlf; D knijf, Icel knifr, N kniv
	knight	ME knight, cniht < AS cniht, cneoht (boy, youth,
		milit. follower); D+G Knecht, N knekt
	knit	ME knitten, knutten < AS cnyttan; Icel knyta, N knytte
	knob	ME knobbe; LG knobbe, N knopp, G Knopf
	knock	ME knokken < AS cnocian; Icel knoka (see knack)
	knoll	AS cnoll; G Knolle(clod, lump), Dan knold
	knot	ME knot(te) < AS cnotta; D knot, G Knoten, N knute
	know	ME knowen, knawen < AS cnawan; Icel kna(be able),
		Russian znat'(know)
	knowledge	ME knowlege; L (g)noscere, Gk gignoskein; see know
	knuckle	ME knokel, knokil < AS ?cnucel; D knokkel, kneukel,
	***************************************	G Knochel, N knoke
	knurl	ME knorre; see gnarl
		-

APPENDIX T: PS-, PN-, MN-, KN-, GN-, -PH- WORD LIST

```
ENGLISH EXAMPLE
                     SOURCE/COGNATES
GN gnarl
                     Germ; G knarren, D knorren, N knurre
   gnash
                     ME gna(i)sten; Icel gnastan, gnīsta
   gnat
                     AS gnaet
   gnav
                     ME gnawen < AS gnagan; D knagen, G nagen, N gnage
   gneiss
                     G gneiss
   gnome
                     F gnome < LL gnomus(fabled diminutive being in-
                       habiting inner earth) < Gk gnome(aphorism)
   gnostic
                     Gk gnosticos(gook at knowing, sagacious)
   gnu
                     Kaffir nqu(q i sign for a click)
PH phallic
                     Gk phallos(penis)
   phantom
                     Gk phantasma(apparition, mental image)
   pharaoh
                     Gk pharao < Heb par'oh < Egy per-'o(great house)
   pharmacy
                     Gk pharmacon(medicine)
   phase
                     Gk phasis < phainein(make to appear)
   pheasant
                     Gk phasianos(Phasian bird, pheasant) < phasi +
                       ornis(bird)
   phenomenon
                     Gk phainomenon < phainesthai(appear).
                       phainein(show)
   phil-
                     Gk philos(loving, fond of)
   philosophy
                     Gk philos + sophos(wise)
   philanthropist
                     Gk philos + anthropos(man)
   -phile
                     Gk philos(loving)
   bibliophile
                     Gk biblios(book) + philos
   phlegm
                     Gk phlegma(flame, inflammation, mucus)
   phobia
                     Gk phobos(fear, dislike)
   claustrophobia
                     L claustrum(bar, bolt) + phobos
   phon-
                     Gk phone(sound, voice)
   phonograph
                     Gk phone + grapho(write)
   headphone
                     E head + Gk phone
   phonetic
                     Gk phonetos(be spoken)<phonein(produce a sound)</pre>
   phosphate
                     Gk phosphoros(light bringer) < phos(light)</pre>
                       + pherein(bring)
   phosphorous
                     Gk (see phosphate)
   photo-
                     Gk phos, photos(light)
   photograph
                     Gk photos + grapho(write)
   telephoto
                     Gk tele(far) + photos
   phrase
                     Gk phrasis < phrazein(speak)</pre>
   physician
                     Gk physikos(natural) < physis(nature)</pre>
   physics
                     Gk (see physician)
```

Source: Webster's New International Dictionary, vols. 1 & 2.

APPENDIX_U: -XC-. -CQ-. -CC-_AND_EX-_WORD_LIST_WITH_SOURCES

```
AC-C WORD
                    SOURCE
accede
                    L accedere < ad(to) + cedere(move, yield)
accelerate
                    L accelerare < ad + celerare(hasten)
  acceleration
  accelerator
accent
                    L accentus < ad + cantus(singing)
  accentuate
accept
                    L acceptare < ad + capere(take)
  acceptable
  acceptance
access
                    L accedere < ad + cedere(move, yield)
  accessible
  accession
  accessory
accident
                    L accidens <accidere(happen) <ad + cadere(fall)
  accidental
acclaim
                    L acclamare < ad + clamare(shout, cry out)
  acclamation
acclimate
                    L ad + climat(climate)
  acclimatize
accommodate
                    L accommodare < ad + commodare(make fit, help)
                       < con(with) + modus(measure, proportion)</pre>
  accommodation
  accommodating
accompany
                    OF acompaignier < ad + LL compania(company)
  accompaniment
  accompanist
accomplice
                    L complex, complicis < ad + complicare(fold
                      together) < con + plicare(fold)</pre>
accomplish
                    L complere < ad + complere(fill up, complete)
  accomplished
  accomplishment
accord
                    LL accordare < ad + cor, cordis(heart)
  accordance
  according to
  accordingly
  accordion
accost
                    LL accostare(bring side by side) < ad + costa
                    OF acouter < L computare < ad + computare(count)
account
  accountable
  accountant
  accounting
                    F accréditer<L ad + credere(trust, loan, believe)
accredit
  accredited
```

accreditation

APPENDIX U: -XC-, -CQ-, -CC- AND EX- WORD LIST WITH SOURCES

AC-C WORD SOURCE accrue OF acreue < L ad + crescere(increase) acculturation L cultura < ad + cultura(culture) accumulate L accumulare < ad + cumulare(heap) accumulation accumulative accuracy L accurare < ad + curare(take care) accurate AS acursian<a + cursien(curse-uncertain origin) accursed accuse L accusare < ad + causa(cause, lawsuit) accusation accusatory accusative accuser accustom OF acustumer < L consuetudo < ad + con + suere (to be accustomed) accustomed to

-37;

APPENDIX U: -XC-, -CQ-, -CC- AND EX- WORD LIST

```
EX-C WORD
                    SOURCE
excavate
                    L excavare<ex(out,out of) + cavare(make hollow)
  excavation
exceed
                    L excedere < ex + cedere(go, pass)
  exceedingly
excel
                    L excellere < ex + celsus(pushed upward)
                      < culmen(top, ridge)
  excellence
  excellent
except
                    L excipere < ex + capere(take)
 exception
  exceptional
excerpt
                    L excerpere < ex + carpere(pick, gather)
excess
                    L excedere < ex + cedere(go, pass)
  excessive
excise
                    OF assis(tax) < L excidere , ex + cidere(cut)
excite
                    L excitare < ex + citare(rouse, move rapidly)
 excitable
  excitement
  exciting
excommunicate
                    L excommunicare < ex + communicare(communicate)
                      < communis(common)
  excommunication
excursion
                    L excurrere < ex + currere(run)
                    L excusare < ex + causa(cause, lawsuit)
excuse
  excusable
Below is a list of EX- words with no C because the roots
                                                             do
not begin with C.
EX + VOWEL
                    SOURCE
exacerbate
                    L exacerbare < ex(intens) + acerbare(irritate)
exact
                    L exactus < exigere < ex + agere(drive)
  exactly
  exacting
exaggerate
                    L exaggerare < ex + aggerare(heap up) < ad +
```

exacting
exaggerate

L exaggerare < ex + aggerare(heap up) < ad +
gerere(bear, carry)

exaggeration
exalt

exalt

exaltare < ex(intens) + altus(high)

exalted
exaltation
examine

L examinare < exigere(weigh accurately) < ex +
agere(drive)

exam(ination)
examiner
example
exemplary
exemplify

. - - -,

1---

1 -3

APPENDIX U: -XC-, CQ-, -CC- AND EX- WORD LIST

```
EX + VOWEL
                    SOURCE
execute
                    L executus < L exsequi < ex + sequi(follow)
  executive
  execution
exempt
                    L eximere < ex + emere(buy, take)
  exemption
exercise
                    L exercere(keep busy, drive out of an enclosure)
                       < ex + arcere(shut up,enclose)
exert
                    L exserere(thrust out) < ex + serere(join,
                      bind together)
  exertion
exhale
                    L exhalare < ex + halare(breathe)
  exhalation
exhaust
                    L exhaurire < ex + haurire(draw, esp. water)
  exhaustion
  exhausted
exhibit
                    L exhibere < ex + habere(have, hold)
  exhibition
exhilarate
                    L exhilarare < ex + hilarare(make merry)
  exhilarated
  exhilaration
exhortation
                    L exhortare < ex + hortare(incite, encourage)
exigency
                    L exigere < ex + agere(drive)
exile
                    L exsilium < ex + salire(leap, spring)
exist
                    L exsistere < ex + sistere(place, cause to stand)
  existence
  existential
exit
                    L exire < ex + ire(go)
exodus
                    Gk exodos < ex + odus(way, road)
exonerate
                    L exonerare < ex(from) + onerare(load)
exorbitant
                    L exorbitare < ex + orbita(track)
exorcist
                    Gk exorkizein < ex + orkizein(bind by oath)
exuberant
                    L exuberare < ex + uberare(be fruitful)
  exuberance
exude
                    L exsudare < ex + sudare(sweat)
exult
                    L exsultare(intens) < exsalire < ex +
                      salire(leap)
  exultant
  exultation
eccentric
                    Gk ekkentros < ek + kentron(center)
  eccentricity
```

Source: Webster's New International Dictionary, vols. 1 & 2.

APPENDIX V: -EI- WORDS WITH SOURCES AND COGNATES

-EI- words pronounced /ey/.

ModEng	Old/MidEng	Latin/other	German/French	Norw/Ital	Dutch/Span
freight	ME fra(u)ght		G Fracht	N frakt	D vracht
eight	OE eahta	L octo	G acht	N åtte	D acht
neighbor	OE néahgebűr		G Nachbar	N nabo	D buur
neigh	OE hnaegan	Sv gnägga		N knegge	
	ME neien				
sleigh	ME (slede)	Ice (sleđi)	G (Schlitten)	N (slede)	D slee
veight	OE gewiht	Ice vaett	6 Gewicht	N vekt	D gewigt
	ME weght				
weigh	OE v egan		G wägen	N veie	D vegen
	ME veien, wegi	ien			
reindeer		Ice hrein- dyri	G Renntier	N rein(sdyr)	
their	OE paera	Ice peirra		N deres	
rein	ME reyn, rene	-:	F rêne		
reign	ME reyn, regne		OF regne, resne F regne		
reign	ne reyn, regne	. r refitam	of re(i)gne	It regno	Sp reinado
deign	ME dei(g)nen	L dignari	F daignier		
	no deriginen	L digital i	OF deignier		
feign	ME feinen	L fingere	F feignant		
feint	ME feinen	L fingere	F feinte		
vein	ME veine	L vena	F veine	It vena	Sp vena
veil	ME veile	L velum	F voile	It velo	Sp velo
			OF veile		2p 1222
surveillance		L vigilare	F surveiller		
inveigh	- · ·	L invehere, invectum	F invectiver		** - -
inveigle		LL abocolus	F aveugler		
heir	ME heir, eir	L heres	F hoir	It erede	Sp heredero
skein	ME skeyne	To conduc-	heir,eir		
OVETII	ne ersans	Ir sgainne	F écagne		
heinous	ME heÿnous		OF escaigne		
HETHUR	ur neanons		F haineux OF hainos		All the ten

-EI- words with irregular pronunciation.

Mod Eng	Old/NidEng	Latin/other	German/French	Norv/Ital	Dutch
seize	ME seisen	L sacire	F saisir OF seisir		
leisure	ME leiser(e)	L licere	F loisir OF leisir		
forfeit	ME forfet	LL foris- factum	F forfait		
counterfeit			F contrefait	It contra- fatto	

APPENDIX V: -EI- WORDS WITH COGNATES

either	OE aeg(wae)d		G entweder	N enten	
	ME either, ai	ther			
neither	OE nõhvaeder	, novđer	G weder	N hverken	
	ME neither, n				
height	OE híehďu, hé	(a)hďu	G Hőhe	N høyde	D hoogte
	ME heght, hei	ght(h)e			-
s leight	ME sleighte,	Ice sleegd			
	slegh <i>p</i> e		•		•
weird	OE wyrd	Ice urďr	G (werden)	N (vaere)	D (worden)
	ME wirde, wer	de			
seismic		Gk seismós			

APPENDIX W: ANNOTATED LIST OF SOME ETYMOLOGICAL DICTIONARIES

This list of dictionaries was compiled by visiting several public high schools and reviewing the dictionaries on hand. This method was used in order to provide references typically available and easily obtainable.

- American Heritage Dictionary of the English Language.

 Boston: Houghton Mifflin Company, 1976.

 Provides a clear and complete breakdown of words following the definitions.
- Etymological Dictionary of Modern English. 2 vols. New York:
 Dover Publications, Inc., 1967.
 A good resource specifically for etymologies, as more expanded word backgrounds are provided; Greek sources are in Greek script.
- Funk and Wagnalls Standard Dictionary of the English Language
 with Britannica World Language Dictionary. 3 vols. New
 York: Funk and Wagnalls Company, 1958.
 Good, clear etymological listings following the
 definitions.
- Oxford Dictionary of English Etymology. New York: Oxford University Press, 1974.

 A technical and thorough resource, although the words are not always broken down completely and explained.
- Random House Dictionary of the English Language: School Edition.

 New York: Random House, 1973.

 Very limited etymological references following some words.
- Scott, Foresman Intermediate Dictionary: Doubleday Edition.

 Garden City: Doubleday and Co., 1979.

 Some limited etymology given, also "word history" and "word family" charts in an easy-to-read format.
- Thorndike-Barnhart High School Dictionary. Chicago: Scott, Foresman and Co., 1957.

 An oldy but goody with consistent etymological listings, words broken down and parts explained following the definitions.
- Webster's Intermediate Dictionary. Springfield: G. and C. Merriam Co., 1972.

 Etymology only on recently borrowed words (e.g. ensemble, rendezvous).
- Webster's Ninth New Collegiate Dictionary. Springfield:
 Merriam-Webster Inc., 1984.
 Consistent listings provide word breakdown and meanings.

GLOSSARY

- Adapted from: Peters, <u>Linguistic History of English</u> and <u>Webster's New International Dictionary</u>, vols. 1 and 2.
- AFFIX a part of speech attached to the beginning or end of a word, giving it an additional meaning or color.
- ALPHABET a system of letters which represent the sounds of a language more or less closely, depending on the language.
- ASSIMILATION change of a sound or letter (usually a consonant) to agree with a neighboring sound or letter.
- COGNATE from Latin con + natus, meaning "born together". A word having the same root, i.e. the same historical source, as one in another language. A cognate occurs within a language family, and may or may not have developed a new and distinct meaning from its relatives over time.
- CONSONANT a sound produced by either narrowing or stopping the breath before it passes out of the mouth (compare VOWEL).
- DERIVATION origin or history of a word.
- DERIVATIVE a word coming from another, or older form of a, language.
- DIALECT a regional or class variety of a language which differs linguistically in some measure from other varieties of the language.
- DIPHTHONG from Greek di(twice) + phthong(voice, sound), i.e. two sounds. A joining of two vowels, forming a compound sound pronounced in one syllable.
- DOUBLET two related words having the same original source but which entered the language via different paths, e.g. at different times, from different dialects, or directly vs. indirectly.
- ETYMOLOGY from Greek etymon(true, literal sense of a word according to its derivation) + logos(description, discourse), i.e. the formal history of a word; analysis of a word's origin and derivation.
- ETYMON the earliest known form of a word.

GLOSSARY

- FIRST GERMANIC CONSONANT SHIFT systematic sound changes affecting the consonants of Proto-Germanic as it evolved from Proto-Indo-European and became differentiated from other Indo-European languages.
- GERMANIC the designation for (a) the branch of Indo-European languages consisting of: English, Dutch, Flemish, German, Frisian, Norwegian, Swedish, Danish, Icelandic, Faroese, extinct Gothic, and their historic counterparts, or (b) the people or tribes speaking these languages. In some texts the alternate term Teutonic is used to refer to the same. Proto-Germanic denotes the hypothetical parent language of all the Germanic languages.
- GRAMMAR the sound system (phonology), word forms (morphology), and sentence structure (syntax) of a language, or a description thereof.
- GREAT VOWEL SHIFT use of length as a means of differentiation among vowels in Middle English was lost in the Early Modern English Period; the effects were not uniformly felt and led to the variety of pronunciation for each vowel that exists today.
- INDO-EUROPEAN name for the largest single family of languages, spoken by 50% of the world's population. Proto-Indo-European is the hypothetical parent language of the Indo-European family.
- INFLECTION a change of form in a word (e.g. endings, vowel change) which signals a change in the word's meaning or function.
- LANGUAGE COMPARISON the viewing of relationships existing between two or more languages today and/or through history.
- LANGUAGE FAMILY a group of languages sharing and evolving from a common linguistic parent, e.g. the Indo-European, Uralic, Sino-Tibetan, etc., families of languages.
- LANGUAGE HISTORY the origins and development of a language.
- NORMAN CONQUEST reference to the 1066 takeover of England by the Normans, which had lasting linguistic, political and social effects on English life. The Normans (from Old English nordmann- "Northman") were Scandinavians who occupied the northwestern coast of France in the tenth century and adopted the French language.

GLOSSARY

- ORTHOEPY from Greek orthos (right, correct) + epos (word), i.e. the art of correct pronunciation. An outdated term now replaced by phonology.
- ORTHOGRAPHY from Greek orthos (right, correct) + graphein (write), i.e. the art of correct spelling.
- PREFIX a word attachment preceding a root.
- ROOT the simplest or historical form of a word, e.g. legality (root leg); contain (root tenere); solar (root sol).
- SECOND GERMANIC CONSONANT SHIFT systematic sound changes affecting certain consonants of Old High German as it evolved from Proto-Germanic and became differentiated from other Germanic languages.
- STRONG VERB a feature of Indo-European languages; verbs which form their past tense by an internal vowel change, also called vocalic verbs (compare WEAK VERB).
- SUFFIX a word attachment following a root.
- SYLLABLE a sound, or combination of sounds uttered together, in a single effort.
- **VOWEL** a sound produced by letting air pass freely out of the mouth (compare CONSONANT).
- WEAK VERB a distinguishing feature of Germanic languages; verbs which form their past tense by adding the suffix -d or -t, also called consonantal verbs (compare STRONG VERB).

ANNOTATED_BIBLIOGRAPHY

- Algeo, John. Problems in the Origins and Development of the English Language, 2nd ed. New York: Harcourt, Brace, Jovanovich, 1972. 292 p.

 A workbook designed to accompany Thomas Pyle's The Origins and Development of the English Language (New York: Harcourt, Brace, Jovanovich, 1971), with questions and exercises on all aspects of the development of English. Well-organized, many examples, possible to select corresponding chapters for in-depth coverage of topics discussed in this paper, plus many others.
- American Philosophical Society. Report of the Committee appointed by the American Philosophical Society to assist the Commission on amended orthografy. Philadelphia: MacCalla and Company, 1889. 25 p. Brief treatise strongly favoring and detailing the necessity of spelling reform in the English language.
- Balmuth, Miriam. The Roots of Phonics: A Historical Introduction. New York: McGraw-Hill Book Company, 1982. 251 p.

 Provides a broad and very readable history of English, giving attention to writing systems, punctuation, pronunciation, spelling, views on spelling reform, and English developments in America.
- Barnett, Lincoln. The Treasure of Our Tongue. New York:
 Alfred A. Knopf, 1964. 304 p.
 A very readable "story" about the English language, looking at its widespread use in all parts of the world today, the nature and origin of all human language generally, as well as the English language specifically.
- Bell, Hill M. An Orthoepy and Orthography. Chicago:
 Ainsworth and Company, 1914.
 Although old, this book contains numerous useful lessons with rules for spelling, definitions of vocabulary pertaining to linguistics and etymology, lists of prefixes, suffixes, roots, abbreviations, and words for spelling contests.

ANNOTATED BIBLIOGRAPHY

- Bodmer, Frederick. The Loom of Language. New York: W.W.

 Norton and Company, Inc., 1944. 692 p.

 Despite being of somewhat early date, this volume is a marvelous reference for information on all aspects of language, including sections on learning the various Teutonic (Germanic) and Romance languages. It is delightful reading as well, providing copious examples, charts and even a "Language Museum"- extensive lists of English vocabulary with their Swedish, Danish, Dutch, German, French, Spanish, Portuguese and Italian counterparts; also a compilation of Greek roots in common use.
- Ellis, Willis A. Word Ancestry. New York: American Classical League, 1938. 63 p.
 An introductory glance at the origins and travels of some English words from their Latin or Greek beginnings. Entertaining and interesting explanations.
- Frith, Uta, ed. <u>Cognitive Processes in Spelling</u>. London:
 Academic Press, 1980. 560 p.

 A more technical compilation of ideas and experiments by many contributors in the various fields of spelling as they relate to instruction and reforms, language, word recognition, strategies for learning, errors, development, language disorders and dyslexia.
- Hanna, Paul R. et alia. Spelling: Structure and Strategies. Boston: Houghton Mifflin Company, 1971. A well-written and informative text that broken into two main parts: "Theoretical Foundations of Spelling", including concise treatises on the history and development of writing systems, the English language, American orthography, spelling as a school subject, and the psychology of spelling. Part two, "Strategies for Spelling Program", makes step-by-step suggestions on setting up spelling programs, with sections devoted to each level of kindergarten through eighth grade.
- Haugen, Einar. The Scandinavian Languages: An Introduction
 to their History. London: Faber and Faber Ltd.,
 1976. 507 p.
 A very complete look at the development and
 present state of these languages, which is at the
 same time clear and enjoyable to read.

ANNOTATED BIBLIOGRAPHY

- Katzner, Kenneth. The Languages of the World. New York: Funk and Wagnalls, 1975. 374 p.

 Short paragraphs on the language families of the world, each followed by examples of and comments on ca. 200 individual languages, with examples of the text/script.
- Konig, Werner. Atlas zur deutschen Sprache: Tafeln und Texte. Munich: Deutscher Taschenbuch Verlag, 1978. 247 p.

 A compact and informative text giving an overview of the history and structure of the German language and its dialectal variations. A multitude of colorful explanatory and descriptive charts accompany the text.
- Lee, Donald W., ed. <u>English language Reader: Introductory</u>

 <u>Essays and Exercises</u>. New York: Dodd, Mead and Company, 1963.

 A collection of articles on a wide range of language-related topics, including history and spread of English, etymology, word analysis and word borrowing. The articles are concise and thus provide good overviews of specific areas.
- Lewis, Norman. 20 <u>Days to Better Spelling</u>. New York: Harper and Row, 1953. 244 p.

 A well-organized self-study spelling program that tackles the most common dilemmas in English spelling by use of rules, word grouping and mnemonics.
- Mersand, Joseph. Spelling Your Way to Success. Woodbury, N.Y.: Barron's Educational Series, Inc., 1959. 173 p.

 A broad overview of common spelling difficulties and ways to tackle them, including punctuation, rules, capitalization, homonyms, affixes. Also contains useful lists of most commonly misspelled words, abbreviations, prefixes and suffixes.
- Peters, Robert A. A Linguistic History of English. Boston:
 Houghton Mifflin Company, 1968. 352 p.
 A text which presents both the historical and linguistic developments of English and language in general in a clear and readable format, with ample helpful examples, explanations and chapter summaries.

ANNOTATED BIBLIOGRAPHY

- Schaeffer, Rudolf F. <u>Greek-English Derivative Dictionary</u>.

 New York: American Classical league, 1963. 42 p.

 A handy guide to discovering the sources and relationships of Greek-derived words most likely to be encountered by English speakers. Convenient format lists Greek roots followed by their English derivatives.
- American Classical League, 1960. 48 p.
 See the description for <u>Greek-English</u> <u>Derivative</u>

 <u>Dictionary</u>.
- Sherwin, J. Stephen. Four Problems in Teaching English: A Critique of Research. Scranton, PA: International Textbook Company, 1969. 209 p.
 Presents differing views based on experiments conducted in the areas of Latin as an aid in English, Increasing Skill in Writing, Diagrams as Visual Aids, and Methods of Spelling Instruction. Good overview (up to 1969 only) of studies done in these fields.
- Smelt, Elsie D. Speak. Spell and Read English. Melbourne: Longman Australia Pty Ltd, 1976. The author's purpose corresponds closely to that of this thesis, i.e. to "introduce English to the learner as a substantially orderly and regular language". She gears her lessons towards elementary age children. These lessons discuss of the sounds in the English language according to their historical origins and provide accompanying exercises and lists. An excellent guide for providing information on more specific spelling features than this thesis encompasses.
- Stevick, Robert D. English and Its History: The Evolution of a Language. Boston: Allyn and Bacon, Inc., 1968.

 339 p.

 A thorough presentation of English language development. Uses a fair amount of linguistic terminology, provides charts and examples to supplement the text.
- Venezky, Richard L. The Structure of English Orthography.

 The Hague: Mouton, 1970. 162 p.

 A very helpful compendium of 20 000 most common words in English, organized to provide a "complete tabulation of the spelling-to-sound correlations, based on the position of consonant and vowel clusters". Also includes discussion on attitudes toward the nature of English orthography, and aims to show the patterning which exists therein.