ABSTRACT
        This bibliography provides citations to studies of
word/letter frequencies and vocabulary applications based on issues
of word frequency. While the original intent was to gather
information pertinent to developing communication board vocabularies
for argumentative communication systems, these resources should be
useful for a variety of word frequency applications, including
developing social resources and textbooks, estimating relative
difficulty of sets of words, developing core vocabulary lists, etc.
Its contents include: "Spoken Production Data," "Text
Analysis--Original Word Frequency Data," "Comparison/Compilation of
Other Frequency Studies," "Vocabulary Frequency Information for
Special Populations," "Technical/Specialized Word Frequency Studies,"
"Diary-Based Vocabulary Studies," "Letter/Syllable Frequency
Analysis," "Semantically-Based Frequency Analysis," "Methods and
Theories of Vocabulary Frequency Analysis," "Differences in Word
Frequency and Use by Communicative Mode," "Bibliographies/Reviews of
Vocabulary Frequency Studies," "Selected Master's Theses Related to
Word Frequency Analysis," and "Ph.D. Dissertations and Unpublished
Papers Related to Vocabulary Frequency." (JDD)

BIBLIOGRAPHY OF VOCABULARY FREQUENCY AND
WORDSET ANALYSIS STUDIES

Cress, C. J.

1986

Trace Research and Development Center
on Communication, Control, and Computer
Access for Handicapped Individuals
University of Wisconsin-Madison

Bibliography of Vocabulary Frequency
and Wordset Analysis Studies

Version 2.0
June, 1986

compiled by

Cynthia J. Cress
Trace Research and Development Center
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University of Wisconsin-Madison

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BIBLIOGRAPHY UPDATE REQUEST SHEET

The maintenance and distribution of this bibliography is part of a series of on-going vocabulary projects conducted at the Trace Center. We are therefore interested in any further resources and references in the area of wordset or vocabulary analysis. We are particularly interested in:

- additional references concerning the topic areas listed in this bibliography;

- additional topic areas that should be covered in the bibliography, as well as any references in those areas;

- practical application tips and other research implications for information of this type;

- any other comments or suggestions.

This bibliography, and future revisions of it, will be available from the Trace Center's Reprint Service. If you would like to be informed of new revisions as they are published, please check the box at the bottom of this page and return it to the Trace Center.

Thank you for your interest and help.

Cynthia Cress
Project Coordinator

|_____| Please let me know as revised versions of this bibliography are published.

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My suggestions for revision or addition to this bibliography are:

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Send this form, and any correspondence or questions in this area, to Cynthia Cress, Project Coordinator, Trace R&D Center, Room S-151 Waisman Center, 1500 Highland Avenue, Madison, Wisconsin 53705, phone 608/263-1156.

Introductory Notes to Bibliography

Version 2.0
June 1986

This bibliography is a collection of studies of word/letter frequencies and vocabulary applications based on issues of word frequency. The original purpose was to gather together a range of information pertinent for the development of communication board vocabularies for augmentative communication systems. Often, the choice of what vocabulary to code for a communication device depends in part on what vocabulary is used most frequently by other groups of persons in similar contexts. The relevance of a particular vocabulary for a user may depend largely on the accuracy of match between predicted vocabulary characteristics and actual communicative needs of the user. The more specific our information on typical vocabulary production in all of the settings in which the communicative system will be used, the better our ability to apply normative data to predict actual vocabulary use.

While the topic areas for this bibliography were chosen to pertain to the development of communication vocabularies, these resources should be useful for persons interested in any application of word frequency information, including development of school resources and textbooks, estimating relative difficulty of sets of words or reading materials, developing core vocabulary lists for specific topics or populations, or prediction of changes in word use with various adaptations of the communicative setting. Topics include surveys of vocabulary studies of both normal and disabled populations for various population samples (children, college students, adults, professionals), communication modes (speech, writing, printed texts), settings (school, home, office, public places), and tasks (free speech/writing, conversation, formal themes or speeches). The bibliography includes frequency studies by special topics, such as technical vocabularies, special population vocabulary use, letter and syllable frequencies, effects of communicative mode of frequency, and cognitive and semantic issues related to frequency of word use.

Some of the sections are not intended to be exhaustive surveys of available references on a given topic, and are noted instead as 'selected references' in the explanatory paragraph. Other bibliographic sources, such as those listed in Section XII, may be useful for additional references in areas not addressed by this bibliography. Further references will be added periodically as available and appropriate to topic areas covered.

TABLE OF CONTENTS

I. Spoken Production - Original Frequency Data

This section lists reports of original surveys of the relative frequency of words/phrases in connected speech. Contexts for collecting samples of speech include face-to-face conversations, telephone conversations, picture descriptions, and formal speeches. Studies also vary according to speaker age, topic of communication, sampling and analysis techniques, and extent of data reported. References in this section are assigned a letter code based on the type of frequency information available in the report cited (although more detailed information may be available in another source), as follows:

A = study reports absolute frequency of occurrence in sample for each word listed in the paper
A* = study reports absolute frequency of all words included in sample, including words of low frequency of occurrence
B = study reports only relative rank of words, or relative frequency by groups of words, (e.g. by 100's) instead of individual frequency
C = study reports selected or core (most frequent or important) wordlists with no report of relative frequency or rank of words
D = study reports only number of words produced in sample, with no wordlists or individual frequency data reported

(A) Allen, D.E. & Guy, R.F. (1974) Conversational Analysis: The Sociology of Talk, The Hague: Mouton.

(D) Beier, E.G., Starkweather, J.A., & Miller, D.E. (1967) Analysis of word frequencies in spoken language of children. Language and Speech, 10, 217-227.

(A*) Berger, K. (1967). The most common words used in conversations. Journal of Communicative Disorders, 1, 201-214.

(A) Berger, K. (1967) Conversational English of university students. Speech Monographs, 34, 65-73.

(A*) Black, J.W. & Ausherman, M. (1955) The Vocabulary of College Students in Classroom Speeches, Columbus: Ohio State Univ. Press.

(B) Burroughs, G.E.R. (ed.) (1957) A Study of the Vocabulary of Young Children, Edinburgh: Oliver and Boyd.

(A) Cameron, P. (1969) Frequency and kinds of words in various social settings, or what the hell's going on? Pacific Sociological Review, 12, 101-104.

(A) Cameron, P. (1970) The words college students use and what they talk about. J. Comm. Dis, 3, 36-46.

(A*) Dahl, H. (1979) Word Frequencies of Spoken American English, Essex, Ct.: Verbatim.

(A) Fossum, E.C. (1944) Analysis of the dynamic vocabulary of junior college students. Speech Monographs, 11, 88-96.

(A) French, N., Carter, C., & Koenig, W. (1930) The words and sounds of telephone conversations. Bell System Technical Journal, 9, 290-324.

(A) Hart, N.W.M., Walker, R.F., & Gray, B. (1977) The Language of Children: A Key to Literacy, Reading, Mass.: Addison-Wesley Publishing Co.

(B) Harwood, F.W. (1959) Quantitative study of the speech of Australian children. Language and Speech, 2, 236-271.

(A*) Hipskind, N. & Nerbonne, G.P. (1970). The most common words used in conversations: Western Massachusetts. J. Comm. Dis., 3, 47-58.

(A) Hopkins, C.J. (1979) The spontaneous oral vocabulary of children in grade one. Elementary School Journal, 79, 240-249.

(C) Horn, E. (1925) The commonest words in the spoken vocabulary of children up to and including six years of age. The Twenty-Fourth Yearbook of the National Society for the Study of Education, Part I, pp. 186-198.

(A*) Howes, D. (1966). A word count of spoken English. Journal of Verbal Learning and Verbal Behavior, 5, 572-604.

(A*) Jay, T.B. (1980). A frequency count of college and elementary school students' colloquial English., JSAS: Catalog of Selected Documents in Psychology, 10, 1. (Ms. No. 1989).

(A) Jones, L. & Wepman, J. (1966) A Spoken Word Count, Chicago: Language Research Associates.

(A*) Moe, A.J., Hopkins, C.J. & Rush, R.T. (1982) The Vocabulary of First-Grade Children, Springfield, Ill.: Charles C. Thomas Publ.

(A*) Murphy, H.A. et. al, (1957) The spontaneous speaking vocabulary of children in primary grades. Boston University Journal of Education, 140(2), 1-103.

(A) Schonell, F., Meddleton, I., Shaw, B., Routh, M., Popham, D., Gill, J., Mackrel, G., & Stephens, C. (1956) A Study of the Oral Vocabulary of Adults, Research Study No. 1, Brisbane: University of Queensland Press, and London: University of London Press.

(B) Vernon, P.E. (1926) Vocabulary of Scottish children. Studies in Reading, Scottish Council on Research in Education, 1, 94-123.

(A) Voelker, C. (1942) The one-thousand most frequent spoken words. The Quarterly Journal of Speech, 28, 189-197.

(A) Wepman, J. & Hass, W. (1969) A Spoken Word Count: Children Ages 5, 6 and 7. Chicago: Language Research Associates.

(C) Wepman, J.M. & Lozar, B. (1973) The most frequently used words of spoken English, Journal of Psycholinguistic Research, 2, 129-136.

(D) Zyve, C.T. (1927) Conversation among children. Teacher's College Record, 29, 46-61.

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II. Written Production - Original Data

This section lists reports of original surveys of the relative frequency of words/phrases in samples of written communication. Written samples collected in these studies include personal letters, business letters, essays, and other school papers. Studies also vary according to subject age, topic of communication, sampling and analysis techniques, and extent of data reported. This section includes only written communication by individuals, one sample per person; studies analyzing printed texts and newspapers are listed in Section III. References in this section are assigned a letter code based on the type of frequency information available in the report cited (although more detailed information may be available in another source), as follows:

    A - study reports absolute frequency of occurrence in sample for each word listed in paper

    A* - study reports absolute frequency of all words sampled, including words of low frequency of occurrence

    B - study reports only relative rank of words, or relative frequency by groups of words, (e.g. by 100's) instead of individual frequency

    C - study reports selected or core (most frequent or important) wordlist, with no report of relative frequency or rank of words

    D - study reports only number of words produced in sample, with no wordlists or individual frequency data reported

(A) Anderson, W.N. (1917) Determination of a spelling vocabulary based upon written correspondence. University of Iowa Studies in Education, 2(1), 5-65.

(A) Ayres, L.P. (1915) A Measuring Scale for Ability in Spelling, N.Y.: Russell Sage Foundation.

(A) Brittain, F.J. & Fitzgerald, J.A. (1942) The vocabulary and spelling errors of second-grade children's themes, Elementary English Review, 19, 41-50.

(A) Cook, W. & O'Shea, M. (1914) The Child and His Spelling, Indianapolis: Bobbs-Merrill Co.

(D) Clarke, W.F. (1921) Writing vocabularies. Elementary School Journal, 21, 349-351

(A) Edwards, R.P.A., Gibbon, V., Mason, S.C. (1964) Words Your Children Use, Burke: London.

(A) Elkana, I.M. (1951) Teacher's Reference Word List: A Study of Word Counts and Vocabulary Selection, State of Israel Ministry of Education and Culture: Education Department.

(A) Fitzgerald, J. (1934) The vocabulary of children's letters written in life outside the school, Elementary School Journal, 34, 358-370.

(A) Fitzgerald, J. (1938) The vocabulary and spelling errors of third-grade children's life-letters. Elementary School Journal, 38, 518-527.

(A) Gunderson, A.G. (1943) Writing vocabularies of seven-year-olds. _Elementary School Journal_, _43_, 590-600.

(A) Horn, E. (1926) A basic writing vocabulary: 10,000 words commonly used in writing. _University of Iowa Monographs in Education_, Series 1(4).

(B) Horn, E. (1926) The 3009 commonest words used in adult writing. _Fourth Yearbook of the Department of Superintendence_, 146-172.

(A) Houser, J.D. (1917) An investigation of the writing vocabularies of representatives of an economic class. _Elementary School Journal_, _17_, 708-718.

(C) Jones, W.F. (1915) _Concrete Investigation of the Material of English Spelling_, Vermillion: University of South Dakota.

(C) Lorenz, E. (1931) The writing vocabulary of third grade children. _Elementary English Review_, _8_, 21-22,24.

(A*) Richardine, S. & Wilson, F. (1938) A reading activity in grade one. _Elementary English Review_, _15_, 170-178.

(A) Rinsland, H. (1945) _A Basic Vocabulary of Elementary School Children_. N.Y.: Macmillan & Co.

(A) Roberts, B.E. (1941) Thinking, writing, growing. _Elementary English Review_, _18_, 13-16, 28, 30.

(B) Smith, H.J. (1914) Words used spontaneously by pupils. In Cook & O'Shea. _The Child and His Spelling_, Indianapolis: Bobbs-Merrill.

(A) Smith, J.H. (1935) The vocabulary of children based on an investigation of written papers selected from pupils' daily work in various subjects of the curriculum. _Bulletin of the State Teachers College_, Oshkosh, WI:Oshkosh State Teacher's College.

(B) Tidyman, W.F. (1921) Survey of the writing vocabularies of public school children in Connecticut. _U.S. Bureau of Education Teacher's Leaflet No. 15_, Washington: Department of the Interior.

III. Text Analysis - Original Word Frequency Data

This section lists reports of original surveys of the relative frequency of words/phrases in samples of printed texts and newspapers. Types of text samples collected in these studies include pre-primers and grade school reading books, textbooks, novels, magazine articles, newspaper articles, poetry, comic strips, spellers and vocabulary lists. Studies also vary according to target audience of text, topic of materials, sampling and analysis techniques, and extent of data reported. References in this section are assigned a letter code preceding the citation, based on the type of frequency information available in the report cited (although more detailed information may be available in another source).

A - study reports absolute frequency of occurrence in sample for each word listed in paper
A* - study reports absolute frequency of all words sampled, including words of low frequency of occurrence
B - study reports only relative rank of words, or relative frequency by groups of words, (e.g. by 100's) instead of individual frequency
C - study reports selected or core (most frequent or important) wordlist, with no report of relative frequency or rank of words
D - study reports only number of words produced in sample, with no wordlists or individual frequency data reported

Additional bracketed letter codes following some entries indicate whether the information reported is also organized according to difficulty levels by grade level recommendations (G) and/or for use in spelling lists (S).

(B) Ayer, F.C. (1945) A Study of High School Spelling Vocabulary, Austin TX: Steck Co. (S)

(C) Beck, M.M. (1929) The vocabulary of first readers. Peabody Journal of Education, 6, 224-227.

(C) Berglund, A.O. (1937) A reading vocabulary for the fourth grade. Journal of Educational Research, 31, 172-180.

(D) Betts, E.A. (1939) A study of the vocabularies of first grade basal readers. Elementary English Review, 16, 65-69,73.

(B) Betts, E.A. (1940) Spelling Vocabulary Study: Grade Placement of Words in Seventeen Spellers, N.Y.: American Book Co. (G, S)

(A*) Carroll, J., Davies, P., & Richman, B. (1971) American Heritage Word Frequency Book, Boston: Houghton-Mifflin Co.

(A) Curtis, H.A. (1938) Wide reading for beginners. Journal of Educational Research, 32, 255-262.

(A) Dewey, G. (1923) Relativ Frequency of English Speech Sounds, Cambridge: Harvard University Press.

(A) Durr, W. (1973) Computer study of high frequency words in popular trade juveniles. The Reading Teacher, 27, 37-42.

(B) Durrell, D. (1940) *Improvement of Basic Reading Abilities*, Yonkers-on-Hudson: World Book Co., pp. 345-391.

(A) Eldridge, R.C. (1911) *Six Thousand English Words: Their Comparative Frequency and What Can Be Done With Them*, Niagra Falls, N.Y.:

(A) Francis, W.F. (1965) A standard corpus of edited present-day American English. *College English*, 26, 267-273.

(B) Fullmer, D. & Kolson, C. (1961) A beginning reading vocabulary. *Journal of Educational Research*, 54, 270-272.

(B) Gates, A. (1935) *A Reading Vocabulary for the Primary Grades*. N.Y.: Bureau of Publications, Columbia University.

(B) Gentry, L. (1950) A study of the vocabulary load of sixty-six pre-primers. *Journal of Educational Research*, 43, 525-532.

(A) Gregory, C.A. (1923) The reading vocabularies of third-grade children. *Journal of Educational Research*, 7, 127-131.

(A) Gross, A. (1934) A preprimer vocabulary study. *Elementary School Journal*, 35, 48-56.

(B) Harris, A.J. & Jacobson, M.D. (1972) *Basic Elementary Reading Vocabularies*, London: Macmillan Co.

(C) Hill, G.E. (1943) The vocabulary of comic strips. *Journal of Educational Psychology*, 34, 77-87.

(A) Hockett, J.A. (1938) *The Vocabularies and Contents of Elementary School Readers*, Sacramento: California State Printing Office.

(D) Hockett, J.A. & Neeley, D.P. (1936) A comparison of the vocabularies of thirty-three primers. *Elementary School Journal*, 37, 190-202.

(D) Hockett, J.A. & Neeley, D.P. (1937) The vocabularies of twenty-eight first readers. *Elementary School Journal*, 37, 344-352.

(A) Housh, E.T. (1918) Analysis of the vocabularies of ten second-year readers. *Seventeenth Yearbook of the National Society for the Study of Education*, Section I, Chapter IV, 40-46.

(C) Irmina, Sister M. (1929) An evaluation of the vocabulary content of twelve series of primary readers. *Catholic University of America Educational Research Bulletins*, 4(7), 3-51.

(B) Johnson, D. & Barrett, T. (1971-2) Johnson's basic vocabulary for beginning reading and current basal readers: Are they compatible? *Journal of Reading Behavior*, 4, 1-9.

(A) Jones, R.G. (1915) Standard vocabulary. *Fourteenth Yearbook of the National Society for the Study of Education*, Chapter IV, Section I, 37-43.

(C) Jude, Sister (1926) Six and seven year old children's acquaintance with the vocabulary of comics. Studies in Reading, Scottish Council on Research in Education, Vol. 1, 208-212.

(B) Kearney, N. (1950) An analysis of the vocabulary of first grade reading material. Journal of Educational Research, 43, 481-493.

(A) Knowles, Rev. J. (1911) The 353 most frequently occurring words in an aggregate of 100,000 words, made from passages from the English Bible and various authors. In Eldridge, R.C. Six Thousand Common English Words, Niagra Falls, N.Y.

(B) Krantz, L.L. (1945) The Author's Word List for the Primary Grades, Minnesota: Curriculum Research Co.

(A*) Kucera, H. & Francis, W.N. (1967) Computational Analysis of Present-Day American English, Providence: Brown University Press.

(A) Langston, R. (1941) A core vocabulary for preprimer reading. Elementary School Journal, 41, 766-773.

(C) MacLatchy, J.H. & Wardwell, F.R. (1951) A list of common words for first grade, Educational Research Bulletin, 30, 151-159.

(C) Moe, A.J. (1973) Word lists for beginning readers. Reading Improvement, 10, 11-15.

(C) Olson, A.V. (1965) An analysis of the vocabulary of seven primary reading series, Elementary English, 42, 261-264.

(A) Packer, J.L. (1921) The vocabularies of ten first readers. The Twentieth Yearbook of the National Society for the Study of Education, Section I, Chapter IX, 127-151.

(B) Pulliam, R.A. & Watson, K. (1946) A basic phrase list for use in reading instruction. Elementary School Journal, 46, 513-518.

(D) Selke, E. (1929) A study of the vocabulary of ten spellers. Elementary School Journal, 29, 767-770.

(D) Spache, G. (1941) Problems in primary book selection. Elementary English Review, 18, pp. 5-12, 52-59, 139-148, 154.

(B) Stone, C.R. (1936). Better Primary Reading, St. Louis: Webster Publ. Co.

(D) Stone, C.R. (1942) A vocabulary study based on 107 primary-grade books. Elementary School Journal, 42, 452-455.

(A*) Thorndike, E. (1921) The Teacher's Word Book of 10,000 Words, N.Y.:Teacher's College, Columbia University.

(A*) Thorndike, E. (1931) The Teacher's Word Book of 20,000 Words, N.Y.:Teacher's College, Columbia University.

(D) Thorndike, E.L. (1936-7) The vocabulary of books for children grades 3 to 8. Teacher's College Record, 38, 416-429.

(A*) Thorndike, E. & Lorge, I. (1944) The Teacher's Word Book of 30,000 Words, N.Y.:Teacher's College, Columbia University.

(A) Vernon, P.E. (1926) Word counts of infant readers. Studies in Reading, Scottish Council on Research in Education, Vol. 1, 124-171.

(B) Wheeler, H. & Howell, E. (1930) A first-grade vocabulary study. Elementary School Journal, 31, 52-60.

(B) Wright, C.W. (1965) An English Word Count: 1965. Research Series No. 15, Pretoria: National Bureau of Educational and Social Research.

(A*) Zettersten, A. (1978) A Word-Frequency List Based on American English Press Reportage, Copenhagen: University of Copenhagen.

IV. Comparison/Compilation of other frequency studies - not original reports

This section lists articles which discuss the relative frequency of words/phrases based on data derived from other sources than direct analysis of original data. These other sources of information include reports of spoken, written, or textual vocabulary frequency analysis cited from another primary research article, as well as judgements of the relative importance of vocabulary items based on personal experience. Some articles in this section are side-by-side comparisons of relative frequencies or ranking of words across different studies, others compile information from several studies to form a single wordlist, while others recommend core vocabularies (based at least in part on frequency considerations) of important words for a certain purpose. Studies vary according to purpose of comparison/compilation, topics and types of materials utilized, sampling and analysis techniques, and extent of data reported. References in this section are divided into four subsections based on the type of frequency information available in the report cited, as follows:

> A = studies report absolute frequency of occurrence in sample for each word listed in paper
> B = studies report only relative rank of words, or relative frequency by groups of words, (e.g. by 100's) instead of individual frequency
> C = studies report selected or core (most frequent or important) wordlist, with no report of relative frequency or rank of words
> D = studies report only number of words produced in sample, with no wordlists or individual frequency data reported

Additional bracketed letter codes following some entries indicate whether the information reported is also organized according to difficulty levels by grade level recommendations (G) and/or for use in spelling lists (S).

A. Comparison/compilation with individual word frequency reported

Card, W. & McDavid, V. (1966) English words of very high frequency. College English, 27, 596-604.

Card, W. & McDavid, V. (1965) Frequencies of structure words in the writing of children and adults. Elementary English, 42, 878-882, 894.

Dolch, E.W. (1951) Tested word knowledge vs. frequency counts. Journal of Educational Research, 44, 457-470.

Faucett, L. & Maki, I. (1932) A Study of English Word-Values Statistically Determined from the Latest Extensive Word-Counts. Tokyo: Matsumura Sanshodo.

Hudelson, E., Stetson, F.L., Woodyard, E., Briggs, T.H. & Kelley, T.L. (1920) Sixteen spelling scales: Standardized in sentences for secondary schools. Teacher's College Record, 21, 337-391.

Johnson, D. (1971) A basic vocabulary for beginning reading. Elementary School Journal, 72, 29-34.

Rowe, C.E. (1935) An authoritative word list. The Business Education World, 15, 703-708.

B. Compilation/Core Vocabularies including rank/group data only

Ashbaugh, E.J. (1919) The Iowa Spelling Scales: Their Derivation, Use and
    Limitations, Bloomington, Ill.:Public School Publishing Co. {G, S}

Bongers, H. (1947) The History and Principles of Vocabulary Control: Parts
    I and II, Wocopi: Woerden.

Bongers, H. (1947) The History and Principles of Vocabulary Control: Part
    III - The K.L.M. List, Woerden: Wocopi. {G}

Buckingham, B.R. & Dolch, E.W. (1936) A Combined Word List, Boston: Ginn &
    Co.

Durrell, D. (1934) A vocabulary for corrective reading. Elementary English
    Review, 11, 106-109. {G}

Durrell, D. & Sullivan, H.B. (1938) Vocabulary instruction in the intermediate
    grades. Elementary English Review, 15, 138-145, 185-198. {G}

Fitzgerald, J.A. (1934) Letters written outside school by children of the
    fourth, fifth, and sixth grades: A study of vocabulary, spelling
    errors, and situations. Iowa Studies in Education, 9, 3-48. {G}

Fitzgerald, J.A. (1936) The overlap of child and adult writing
    vocabularies. Journal of Experimental Education, 4, 364-367.

Fitzgerald, J.A. (1941) A crucial core vocabulary in elementary school
    language and spelling. American School Board Journal, 103, 22-24. G, S

Fitzgerald, J.A. (1951) A Basic Life Spelling Vocabulary, Milwaukee:
    Bruce Publishing Co.

Fitzgerald, J.A. (1963) An integrating basic communication vocabulary.
    Elementary English, 40, 384-389.

Fry, E. (1957) Developing a word list for remedial reading. Elementary
    English, 30, 456-458. {G}

Fry, E. (1960) Teaching a basic reading vocabulary. Elementary English, 37,
    38-42. {G}

Greene, H.A. (1955) The New Iowa Spelling Scale, Iowa City: State University
    of Iowa. {G, S}

Kyte, G.C. (1953) A core vocabulary in the Language Arts. Phi Delta Kappan,
    34, 231-234.

Lowe, A.J. & Follman, J. (1974) Comparison of the Dolch List with other word
    lists. The Reading Teacher, 28, 40-44.

Otto, W. & Chester, R. (1972) Sight words for beginning readers. Journal of
    Educational Research, 65, 435-443.

Otto, W., Chester, R., & Mehling, M. (1974) Further validation of the Great Atlantic and Pacific Sight Word List. Journal of Educational Research, 67, 363-365.

Spache, G. (1939) A minimum reading-spelling vocabulary for remedial work. Journal of Educational Research, 33, 161-174. {G}

Stone, C. R. (1939) Most important one hundred and fifty words for beginning reading. Educational Method, 18, 192-195.

Stone, D.R. & Bartschi, V. (1965) A basic word list from basal readers. Elementary English, 40, 420-427. {G}

C. Compiled/Core Vocabularies with no relative frequency/rank reported:
        Includes wordsets not derived from production or text analysis

Buckingham, B.R. (1913) Spelling Ability: Its Measurement and Distribution, N.Y.:Teacher's College, Columbia. {S}

Chancellor, W.E. (1910) Spelling. Journal of Education, 71-72, 488, 517, 522, 545-6, 573, 578, 607-8. {S}

Coleman, W.H. (1931) A Critique of Spelling Vocabulary, Greeley, Co: Colorado State Teachers College.

Dale, E. (1931) A comparison of two word lists. Educational Research Bulletin, 10, 484-489.

Dale, E. & Chall, J.S. (1948) A formula for predicting readability: Instructions. Educational Research Bulletin, 27, 11-20.

Dolch, E.W. (1936) A basic sight vocabulary. Elementary School Journal, 36, 456-460.

Dolch, E.W. (1950) Teaching Primary Reading, Chamgaign, Ill.: Garrard Press.

Eaton, H.S. (1934) Comparative frequency list based on the first thousand words in English, French, German, and Spanish frequency lists. In A. Coleman, Experiments and Studies in Modern Language Teaching, Chicago: University of Chicago Press.

Hildreth, G. (1948) A comparison of the Dale, Dolch, and Rinsland word lists. Journal of Educational Psychology, 39, 40-46.

Knipp, H.B. (1952) Basic Vocabulary, Phrases, and Sentences for Early Reading Instruction, Meadsville, PA: Keystone View Co. {G}

LaPray, M. & Ross, R. (1969) The graded word list: Quick gauge of reading ability. Journal of Reading, 12, 305-307. {G}

Milwaukee First Grade Spelling Lists (1910) Journal of Education, 71, 153, 270, 383, 410. {S}

Monk, E.M. (1915) The Washington D.C. spelling list. Elementary School Journal, 16, 96-103. {G, S}

Nicholson, A. (1915) A Speller for the Use of the Teachers of California, State Board of Education: California State Printing Office. {G, S}

Payne, B.R. & Garrison, S.C. (1930) Payne-Garrison speller, N.Y.: Rand-McNally & Company. {G, S}

Pennock, C.D. (1974) Quick word lists for Canadian readers. The Alberta Journal of Educational Research, 20, 8-14. {G}

Pryor, H.C. (1923) A suggested minimal spelling list. Sixteenth Yearbook of the National Society for the Study of Education, Part I, Chapter V, 73-84. {G, S}

Shambaugh, C.G. & Shambaugh, O.L. (1928) An association study of the vocabulary of grade children. Journal of Educational Research, 18, 40-47.

Shambaugh, C.G. Shambaugh, O.L. (1929) A core vocabulary for elementary school pupils. Journal of Educational Research, 19, 40-46.

Stone, C.R. (1950) Progress in Primary Reading, St. Louis: Webster Publishing Co. {G}

Stone, C.R. (1956) Measuring difficulty of primary reading material: A constructive criticism of Spache's measure. Elementary School Journal, 57, 36-41.

Taylor, E., Taylor, S., & Frackenpohl, H. (1951) Basic Vocabulary for a New Education, N.Y.:Washington Square Reading Center. {G}

Thorndike, E.L. (1921) Word knowledge in the elementary school. Teacher's College Record, 22, 334-355.

Tidyman, W.F. (1919) The Teaching of Spelling, Yonkers-on-Hudson, N.Y.: World Book Co,

D. Compilation/Core Wordsets Reporting Numbers of Words Used/Known Only

Breed, F.S. (1925-26) What words should children be taught to spell? Elementary School Journal, 26, 118-131, 202-214, 292-306.

Clarke, W.F. (1921) Writing vocabularies. Elementary School Journal, 21, 349-351.

Doran, E. W. (1907) A study of vocabularies. Pedagogical Seminary, 14, 401-437.

Dolch, E.W. (1927) Grade vocabularies. Journal of Educational Research, 16, 16-26.

Dolch, E.W. (1936) How much word knowledge do children bring to grade one? Elementary English Review, 13, 177-183.

Dolch, E.W. (1937) Side lights on a combined word lists. Elementary English Review, 14, 22-24.

Foran, T.G. (1934) The Psychology and Teaching of Spelling, Washington D.C.: Catholic Education Press.

Foran, T.G. (1930) The spelling vocabulary. Catholic Educational Review, 28, 587-600.

Hartmann, G.W. (1941) A critique of the common method of estimating vocabulary size, together with some data on the absolute word knowledge of educated adults. Journal of Educational Psychology, 32, 351-358.

Hartmann, G.W. (1946) Further evidence on the unexpected large size of recognition vocabularies among college students. Journal of Educational Psychology, 37, 436-439.

Lorge, I. & Chall, J. (1963) Estimating the size of vocabularies of children and adults: An analysis of methodological issues. Journal of Experimental Education, 32, 147-157.

Magni, J.A. (1919) Vocabularies. Pedagogical Seminary, 26, 209-233.

McKee, G.M. (1924) Children's themes as a source of spelling vocabulary. Elementary School Journal, 24-25, 197-206.

Rahja, J.M. (1933) The written and spoken vocabularies of children. Elementary English Review, 10, 74-77.

Shibles, B.H. (1959) How many words does a first-grade child know? Elementary English, 31, 42-47.

Smith, M.K. (1941) Measurement of the size of general English vocabulary through the elementary grades and high school. Genetic Psychology Monographs, 24, 311-345.

Thorndike, E.L. (1937) On the number of words of any given frequency of use. Psychological Record, 1, 399-406.

V. Vocabulary Frequency Information for Special Populations

This section lists reports of wordlists and vocabulary frequency information for specified populations (other than groups of non-disabled children or adults). Sources of information for articles include original data of spoken or written production, recommended core wordlists, or principles of wordlist selection based on frequency data for a given population. Special populations discussed include persons who have cerebral palsy, mental retardation, deafness, psychological disorders, aphasia, physical disabilities, and cultural disadvantage. Studies vary according to ages of populations sampled, form and topics of communication, sampling and analysis techniques, and type of data presented.

Bachman-Mann, M. (1944) The quantitative differentiation of samples of written language. University of Iowa Studies in Psychology, Studies in Language, No. 24, Psychological Monographs No. 2, 41-74.

Beier, E.G., Starkweather, J.A., Lambert, M.J. (1969) Vocabulary usage of mentally retarded children. American Journal of Mental Deficiency, 73, 927-934.

Bellugi, U. & Fischer, S. (1972) A comparison of sign language and spoken language. Cognition, 1, 173-200.

Beukelman, D.R. & Yorkston, K.M. (1982) Communication interaction of adult communication augmentation system use. Topics in Language Disorders, 2, 39-54.

Beukelman, D.R., Yorkston, K.M. & Naranjo, C. (1979) Communication augmentation for the nonspeaking: Computer applications. Unpublished paper, University of Washington.

Beukelman, D.R., Yorkston, K.M., Poblete, M., Naranjo, C. (1984) Frequency of word occurrence in communication samples produced by adult communication aid users. Journal of Speech and Hearing Disorders, 49, 360-367.

Borreca, F., Burger, R., Goldstein, I., & Simches, R. (1953) A functional core vocabulary for slow learners. American Journal of Mental Deficiency, 43, 273-300.

Brady, M., Kelso, D., Vanderheiden, G., Buehman, D. A data-based approach to character/syllable/wordsets. Proceedings of the Fifth Annual Conference on Rehabilitation Engineering, Houston, Tx., p. 1.

Cartwright, G.P. (1968) Written language abilities of educable mentally retarded and normal children. American Journal of Mental Deficiency, 72, 499-505.

Dale, E. (1965) Vocabulary development of the underprivileged child. Elementary English, 42, 779-785.

Fairbanks, H. (1944) The quantitative differentiation of samples of spoken language. University of Iowa Studies in Psychology, Studies in Language Behavior No. 24. Psychological Monographs, No. 2, 19-38.

Foulds, R. (1980) Communication rates for nonspeech expression as a function of manual tasks and linguistic constraints. Proceedings of the International Conference on Rehabilitation Engineering, Toronto: ICRE, 83-87.

Foulds, R., Baletsa, G., & Crochetiere, W. (1975) The effectiveness of language redundancy in non-verbal communication. Proceedings of the Conference on Devices and Systems for the Disabled, Philadelphia: Temple University Health Services Center.

Goldstein, I. & Mann, H. (1949) An occupational vocabulary for retarded adolescents. American Journal of Mental Deficiency, 54, 38-72.

Goodenough-Trepagnier, C., Goldenberg, E.P., & Fried-Oken, M. (1981) Nonvocal communication system with unlimited vocabulary using apple and speec-syllables. Fourth Annual Conference on Rehabilitation Engineering, Washington D.C., p. 173-175.

Goodenough-Trepagnier, C. & Prather, P. (1981) Communication systems for the nonvocal based on frequent phoneme sequences. Journal of Speech and Hearing Research, 24, 322-329.

Goodenough-Trepagnier, C. & Rosen, M. (1981) Model for a computer-based procedure to prescribe an optimal "keyboard". Proceedings of the Fourth Annual Conference on Rehabilitation Engineering, Washington, D.C., 197-199.

Goodenough-Trepagnier, C. & Rosen, M. (1982) Optimal language menu for a one-switch nonvocal communication device. Proceedings of the Fifth Annual Conference on Rehabilitation Engineering, Houston, Tx., p.2.

Howes, D. (1964) Application of the word-frequency concept to aphasia. In A.V. de Reuck & M. O'Connor Disorders of Language, London: Churchhill.

Irwin, O. (1966-a) A comparison of the vocabulary of use and of understanding of cerebral palsied children. Cerebral Palsy Journal, 27(3), 7-11.

Irwin, O. (1966-b) A comparison of the vocabulary of use and of understanding by mentally retarded children. Cerebral Palsy Journal, 27(6), 8-10.

Irwin, O. (1966-c) Vocabulary ability of two samples of cerebral palsied children. Cerebral Palsy Journal, 27(3), 14-15.

Jones, L., Goodman, M. & Wepman, J. (1963) The classification of parts of speech for the characterization of aphasia. Language and Speech, 6, 94-107.

Lozar, B., Wepman, J., & Hass, W. (1972) Lexical usage of mentally retarded and nonretarded children. American Journal of Mental Deficiency, 76, 534-539.

Mecham, M. & Jones, D. (1956) A nucleus vocabulary for use in building oral language skills of the cerebral palsied child. Exceptional Children, 22, 280-284.

Mein, R. (1961) A study of the oral vocabularies of severely subnormal patients. <u>Journal</u> <u>of</u> <u>Mental</u> <u>Deficiency</u> <u>Research</u>, <u>5</u>, 52-59.

Mein, R. & O'Connor, N. (1960) A study of the oral vocabularies of severely subnormal patients. <u>Journal</u> <u>of</u> <u>Mental</u> <u>Deficiency</u> <u>Research</u>, <u>4</u>, 130-143.

Polloway, E. & Polloway, C. (1981) Survival words for disabled readers. <u>Academic</u> <u>Therapy</u>, <u>16</u>, 443-448.

Rosen, M. & Goodenough-Trepagnier, C. (1981) Factors affecting communication rate in non-vocal communication systems. <u>Proceedings</u> <u>of</u> <u>the</u> <u>Fourth</u> <u>Annual</u> <u>Conference</u> <u>on</u> <u>Rehabilitation</u> <u>Engineering</u>, Washington, D.C., pp. 194-196.

Schilit, J. & Caldwell, M. (1980) A word list of essential career/-vocational words for mentally retarded students. <u>Education</u> <u>and</u> <u>Training</u> <u>of</u> <u>the</u> <u>Mentally</u> <u>Retarded</u>, <u>15</u>,113-117.

Sherk, J.K. (1973) <u>A</u> <u>Word-Count</u> <u>of</u> <u>Spoken</u> <u>English</u> <u>of</u> <u>Culturally</u> <u>Disadvantaged</u> <u>Preschool</u> <u>and</u> <u>Elementary</u> <u>Pupils</u>, Kansas City: University of Missouri.

Silverman-Dresner, T., & Guilfoyle, G. <u>Vocabulary</u> <u>Norms</u> <u>for</u> <u>Deaf</u> <u>Children</u>. Washington, D.C.: A.G. Bell Association for the Deaf, 1972.

Stokoe, W.C. (1972) <u>Semiotics</u> <u>and</u> <u>Human</u> <u>Sign</u> <u>Languages</u>, Chapter 4: Morphemes - Lexicon, The Hague: Mouton, pp. 56-73.

Tudyman, A. & Groelle, M.C. (1963) <u>A</u> <u>Functional</u> <u>Basic</u> <u>Word</u> <u>List</u> <u>for</u> <u>Special</u> <u>Pupils</u>, Pittsburgh: Stanwix House.

Walter, G.G. (1978) Relationship of word knowledge to word frequency in young adult deaf students. <u>Journal</u> <u>of</u> <u>Communication</u> <u>Disorders</u>, <u>31</u>, 137-148.

VI. Technical/Specialized Word Frequency Studies

This section lists reports of frequencies of words commonly used in limited contexts, such as technical or educational settings. Articles may include reports of original frequency data or compiled/created lists of words particularly common for a given setting, and vary in topics, sources of information, and data collection and analysis methods. Examples of specific sources of information analyzed in these reports include professional and military letters, scientific and technical papers, radio broadcasts, literature, encyclopedias, textbooks and materials for various subjects addressed in school classrooms. For additional information on relative frequencies of vocabulary common to specific educational subjects (such as social studies or mathematics), see:

Dale, E. & Razik, T. (1963) Bibliography of Vocabulary Studies, second revised edition. Columbus: Bureau of Educational Research and Service, Ohio State University.

Fries, C.C. & Traver, A.A. (1940) English Word Lists: A Study of their Adaptability for Instruction, Washington, D.C.: American Council on Education.

Cole, L. (1938) The Improvement of Reading, N.Y.: Farrar & Rinehart, Chapter 9, 152-170.

Cole, L. (1940) The Teacher's Handbook of Technical Vocabulary, Bloomington, Ill.: Public School Publishing Co.

Didier, Sister M.A. (1960) The vocabulary of general science at the eighth grade level. Catholic University of America Educational Research Monographs, 23(3), 1-80.

Flood, W.E. & West, M. (1953) Supplementary scientific and technical vocabulary. In M. West, A General Service List of English Words, London: Longmans, Green, & Co.

Hargis, D.E. (1945) A study of the vocabulary of radio. Speech Monographs, 12, 77-87.

Harms, H. (1940) The business man's vocabulary. Journal of Business Education, 16, 21-22.

Hartsough, R. & Laffal, J. (1970) Content analysis of scientific writings. Journal of General Psychology, 83, 193-206.

Horn, E. (1923) The vocabulary of bankers' letters. The English Journal, 12, 383-397.

Horn, E. & Peterson, T. (1943) The Basic Vocabulary of Business Letters, N.Y.: The Gregg Publ. Co.

Jay, T.B. & Danks, J.H. (1977) Ordering of taboo adjectives. Bulletin of the Psychonomic Society, 9, 405-408.

Johansson, S. (1978) Some Aspects of the Vocabulary of Learned and Scientific English, Sweden: Acta Universitatis Gothoburgensis.

Manwiller, C.E. (1947) Words may save lives. Safety Education, 27, 18-20.

Ozer, M. (1943) Words commonly used in military correspondence. The Business Sheet, 24, 393-395.

Powers, S.R. (1926) The vocabularies of high school science text-books. Teachers College Record, 26, 368-382.

Powers, S.R. (1926) A vocabulary of scientific terms for high school students. Teachers College Record, 28, 220-245.

Pressey, L.C. (1924) The determination of the technical vocabulary of the school subjects. School and Society, 20, 91-96.

Smith, S.S. (1942) Radio vocabulary. Quarterly Journal of Speech, 28, 1-7.

Struck, F.T. (1943) 102 key words. Industrial Arts and Vocational Education, 32, 57.

VII. Diary-Based Vocabulary Studies

This section lists reports of wordlists and frequencies derived from samples of spoken or written production from a single child. Most of these studies are compilations of information on children's speech gathered by the investigators in a speech diary, either at a particular age or compared over a longer period of time. Ages of children sampled in these studies range from eighteen months to over six years of age, with some studies comparing a child's productive vocabulary development at different ages. Many of these studies list all words produced by the child, but only a few include individual frequency data for each word.

Bateman, W.G. (1914) A child's progress in speech, with detailed vocabularies. Journal of Educational Psychology, 5, 307-320.

Beyer, T.P. (1915) The vocabulary of two years. Educational Review, 49, 191-203.

Beyer, T.P. (1916) The vocabulary of three years. Educational Review, 52, 478-489.

Boyd, W. (1914) The development of a child's vocabulary. Pedagogical Seminary, 21, 95-124.

Brandenburg, G.C. (1915) The language of a three-year-old child. Pedagogical Seminary, 22, 89-120.

Bush, A. (1914) The vocabulary of a three-year-old girl. Pedagogical Seminary, 21, 125-142.

Chamberlain, A.F. & Chamberlain, I.C. (1904) Studies of a child. I & II. Pedagogical Seminary, 11, 264-291, 452-483.

Drever, J. (1915-16) A study of children's vocabularies. I, II, III. Journal of Experimental Pedagogy, 3, 34-43, 96-103, 182-188.

Gale, M.C. & Gale, H. (1902) The vocabularies of three children in one family at two and three years of age. Pedagogical Seminary, 9, 422-435.

Haggerty, L. (1929) What a two-and-one-half-year-old child said in one day. Journal of Genetic Psychology,   75-91.

Heilig, M.R. (1913) A child's vocabulary. Pedagogical Seminary, 20, 1-16.

Jegi, T. (1901) The vocabulary of a two-year-old child. Child Study Monthly, 6, 241-261.

Langenbeck, M. (1915) A study of a five-year-old child. Pedagogical Seminary, 22, 65-88.

Mateer, F. (1908) The vocabulary of a four year old boy Pedagogical Seminary, 15, 63-74.

Nice, M.M. (1915) The development of a child's vocabulary in relation to environment. Pedagogical Seminary, 22, 35-64.

19

Nice, M.M. (1917) The speech development of a child from eighteen months to six years. Pedagogical Seminary, 24, 204-243.

Nice, M.M. (1920) Concerning all day conversations. Pedagogical Seminary, 17, 166-177.

Nice, M.M. (1926) On the size of vocabularies. American Speech, 2, 1-7.

Nice, M.M. (1932) An analysis of the conversation of children and adults. Child Development, 3, 240-246.

Pelsma, J.R. (1910) A child's vocabulary and its development. Pedagogical Development, 17, 328-369.

Rowe, E.C. & Rowe, H.N. (1913) The vocabulary of a child at four and six years of age. Pedagogical Seminary, 20, 187-208.

Uhrbrock, R.S. (1936) Words most frequently used by a five-year-old girl. Journal of Educational Psychology, 27, 155-158.

Whipple, G.M. & Whipple, Mrs. G.M. (1909) The vocabulary of a three-year-old boy with some interpretative comments. Pedagogical Seminary, 16, 13-21.

VIII. Letter/Syllable Frequency Analysis

This section lists reports of original surveys of the relative frequency of letters, sounds, syllables and combinations of letters. Various studies report letter and syllable frequencies according to word position (initial, medial, final), word length, relationship to other letters or words, or overall letter frequencies or combinations. Often, letter/syllable frequencies are reported as units of various lengths, such as frequencies of bigrams (2-letter units), trigrams (three-letter units), up to ngrams (units of unspeci/ ed length). Information reported for these units may be absolute frequencies, relative rank orders of occurrence, or versatility of pr sitions in which they occur. Sources from which reported information is gathered includes conversational speech, written production, text or dictionary analysis.

Atkins, R.E. (1926) An analysis of the phonetic elements in a basal reading vocabulary. Elementary School Journal, 26, 596-606.

Attneave, F. (1953) Psychological probability as a function of experienced frequency. Journal of Experimental Psychology, 46, 81-86.

Baddley, A., Conrad, R., & Thompson, W.E. (1960) Letter structure of the English language. Nature, 186, 414-416.

Bourne, C. & Ford, D. (1961) A study of the statistics of letters in English words. Information and Control, 4, 48-67.

Caldwell, E.C., Peckham, P.D. & Nix, D.d. (1973) Ngram frequency counts. Developmental Psychology, 9, 266-267.

Carroll, J.B. (1958) The assessment of phoneme cluster frequencies. Language, 34, 267-278.

Carterette, E.C. & Jones, M.H. (1974) Informal Speech, Berkeley: University of California Press.

Dale, E., O'Rourke, J., & Bamman, H. (1971) Techniques of Teaching Vocabulary, Palo Alto, Ca.: Field Educational Products, Inc., Appendix, pp. 326-360.

Denes, P.B. (1963) On the statistics of spoken English. Journal of the Acoustical Society of America, 35, 892-904.

Dolby, J. & Resnikoff, H. (1964) On the structure of written English words. Language, 40, 167-196.

Fang, I.E. (1966) It isn't ETAOIN SHRDLU; It's ETAONI RSHDLC. Journalism Quarterly, 43, 761-762.

Fowler, M. (1957) Herdan's statistical parameter and the frequency of English phonemes. In E. Pulgram, Studies Presented to Joshua Whatmough, Gravenhage: Mouton & Co., pp. 47-52.

Fraprie, F. (1950) Frequency of letters in English. In H. Hansen, World Almanac and Book of Facts for 1950, N.Y.: New York World-Telegram, p. 543.

21

Fry, D. (1947) The frequency of occurrence of speech sounds in southern English. Archives Neerlandaises de Phonetique Experimentale, 13, 138-152.

Gerber, S. & Vertin, S. (1969) Comparative frequency counts of English phonemes. Phonetica, 19, 133-141.

Hanna, P.R., Hanna, J.S., Hodges, R.E. & Rudorf, E.H. (1966) Phoneme-Grapheme Correspondences as Cues to Spelling Improvement, Washington, D.C.: U.S. Government Printing Office.

Hayden, R.E. (1950) The relative frequency of phonemes in general American English. Word, 6, 217-223.

Herdan, G. (1957) The numerical expression of selective variation in the vowel-consonant sequence in English and Russian. In E. Pulgram, Studies Presented to Joshua Whatmough, Gravenhage: Mouton & Co., pp. 91-104.

Hultzen, L., Allen, J., & Miron, M. (1964) Tables of Transitional Frequencies of English Phonemes, Urbana: University of Illinois Press.

Landauer, T.K. & Streeter, L.A. (1973) Structural differences between common and rare words: Failure of equivalence assumptions for theories of word recognition. Journal cf Verbal Learning and Verbal Behavior, 12, 119-131.

Malone, K. (1936) The phonemic structure of English monosyllables. American Speech, 11, 205-218.

Mayzner, M.S., Tresselt, M.E. (1965) Tables of single-letter and digram frequency counts for various word-length and letter-position combinations. Psychonomic Monograph Supplements, 1(2), 13-32.

Mayzner, M.S., Tresselt, M.E., & Wolin, B.R. (1965) Tables of trigram frequency counts for various word-length and letter-position combinations. Psychonomic Monograph Supplements, 1(3), 33-78.

Mayzner, M.S., Tresselt, M.E., & Wolin, B.R. (1965) Tables of tetragram frequency counts for various word-length and letter-position combinations. Psychonomic Monograph Supplements, 1(4), 79-142.

Mayzner, M.S., Tresselt, M.E., & Wolin, B.R. (1965) Tables of pentagram frequency counts for various word-length and letter-position combinations. Psychonomic Monograph Supplements, 1(5), 145-185.

Newman, E. & Gerstman, L. (1952) A new method for analyzing printed English. Journal of Experimental Psychology, 44, 114-125.

Pratt, F. (1939) Secret and Urgent: The Story of Codes and Ciphers, Indianapolis: Bobbs-Merrill, pp. 252-278.

Rawlinson, G.E. (1976) Bigram frequency counts and anagram lists. Quarterly Journal of Experimental Psychology, 28, 125-142.

Roberts, A. Hood (1965) A Statistical Linguistic Analysis of American English, The Hague: Mouton & Co.

Rubin, D.C. (1978) Word-initial and word-final ngram frequencies. Journal of Reading Behavior, 10, 171-183.

Saporta, S. (1955) Frequency of consonant clusters. Language, 31, 25-30.

Sigurd, B. (1968) Rank-frequency distributions for phonemes. Phonetica, 18, 1-15.

Solso, R.L. (1979) Positional frequency and versatility of letters for six- seven-, and eight-letter English words. Behavior Research Methods and Instrumentation, 11, 355-358.

Solso, R.L. & Juel, C.L. (1980) Positional frequency and versatility of bigrams for two- through nine-letter English words. Behavior Research Methods and Instrumentation, 12, 297-343.

Solso, R.L., Juel, C.L., & Rubin, D.C. (1982) The frequency and versatility of initial and terminal letters in English words. Journal of Verbal Learning and Verbal Behavior, 21, 220-235.

Solso, R.L. & King, J.F. (1976) Frequency and versatility of letters in the English language. Behavior Research Methods and Instrumentation, 8, 283-286.

Thorndike, E.L. (1941) The Teaching of English Suffixes, N.Y.:Columbia University Bureau of Publications.

Tobias, J.V. (1959) Relative occurrence of phonemes in American English. Journal of the Acoustical Society of America, 31, 631.

Topper, G., Macey, W., & Solso, R. (1973) Bigram versatility and bigram frequency. Behavior Research Methods and Instrumentation, 5, 51-52.

Trnka, B. (1966) A Phonological Analysis of Present-Day Standard English, Alabama: University of Alabama Press.

Underwood, B.J. & Schulz, R.W. (1960) Meaningfulness and Verbal Learning, Chicago: J.B. Lippincott Co., pp. 65-83, 332-369.

Voelker, C.H. (1935) Technique for a phonetic frequency distribution count in formal American speech. Archives Neerlandaises de Phonetique Experimentale, 11, 69-72.

Voelker, C.H. (1937) A comparative study of investigations of phonetic dispersion in connected American English. Archives Neerlandaises de Phonetique Experimentale, 13, 138-152.

Wang, W.S-Y., & Crawford, J. (1960) Frequency studies of English consonants. Language and Speech, 3, 131-139.

Washburne, C. (1926) The commonest syllables: A statistical investigation in the field of reading by the Winnetka Teachers' Seminar. Journal of Educational Research, 14, 199-205.

IX. Semantically-Based Frequency Analysis

This section includes selected references concerning the relationship of word meaning and vocabulary frequency. Some studies provide original frequency data; others compile wordlists according to grammatical or functional properties of words, or discuss theories and potential wordlists based on principles of vocabulary organization and simplification. Topics in this section include the following:

A. Wordlists/Frequency Studies Organized by Word Meanings (including some separate frequency lists for various dictionary definitions of words)
B. Basic English and Semantically Simplified Wordlists (i.e. using a limited set of words to represent multiple concepts)
C. Readability or Word Difficulty Analysis (including formulas and principles to analyze semantic difficulty of words and written text)

A. Wordlists/Frequency Studies Organized by Word Meanings

Britton, B.K. (1978) Lexical ambiguity of words used in English text. Behavior Research Methods and Instrumentation, 10, 1-7.

Dale, E. & Eichholz, G. (1960) Children's Knowledge of Words, Columbus, OH: Ohio State Univ. Bureau of Educational Research and Service.

DiVesta, F.J. & Walls, R.T. (1970) Factor analysis of the semantic attributes of 487 words and some relationships to the conceptual behavior of fifth-grade children. Journal of Educational Psychology Monograph, 61(6), Part 2, 1-40.

Heise, D.R. (1965) Semantic differential profiles for 1,000 most frequent English words. Psychological Monographs: General and Applied, 79(8), Whole No. 601.

Kelly, E.F. & Stone, P.J. (1975) Computer Recognition of English Word Senses, Amsterdam: North-Holland Publishing Co.

Lorge, I. (1949) The Semantic Count of the 570 Commonest English Words, Columbia University: Bureau of Publications.

O'Connor, J. (1948) English Vocabulary Builder, Boston: Human Engineering Laboratory.

Paivio, A., Yuille, J.C., & Madigan, S.A. (1968) Concreteness, imagery, and meaningfulness values for 925 nouns. Journal of Experimental Psychology Monograph Supplement, 76(1), Part 2.

Rubin, D.C. (1980) 51 properties of 125 words: A unit analysis of verbal behavior. Journal of Verbal Learning and Verbal Behavior, 19, 736-755.

West, M. (1953) A General Service List of English Words, London: Longmans, Green & Co.

B. Basic English and Semantic Simplification Wordlists

Faucett, L., Palmer, H.E., Thorndike, E.L., & West, M.P. (1936) Interim Report
    on Vocabulary Selection for the Teaching of English as a Foreign
    Language, London: P.S. King & Son, Ltd.

Gibson, C. (1932) British American Scientific International Commercial,
    Cambridge: R.I. Severs

Graham, E. (1968) Basic English: International Second Language, N.Y.:
    Harcourt, Brace, World.

Institute for Research in English Teaching (1930) Interim Report on Vocabulary
    Selection, Tokyo: Department of Education.

Institute for Research in English Teaching (1931) Second Interim Report on
    Vocabulary Selection, Tokyo: Department of Education.

Ogden, C.K. (1932) The Basic Words: A Detailed Account of their Uses,
    Carter Lane, E.C.: Trubner and Co., Ltd.

Ogden, C.K. (1934) The System of Basic English, New York: Harcourt, Brace and
    World

Ogden, C.K. (1937) The ABC's of Basic English, Carter Lane, E.C.: Trubner and
    Co., Ltd.

Ogden, C.K. (1946) The Meaning of Meaning, London: Trubner & Co., Ltd.

Palmer, H.E. (1932) The Grading and Simplifying of Literary Material,
    Tokyo: Institute for Research in English Teaching.

Richards, I. (1945) Learning Basic English: A Practical Handbook for English
    Speaking People, N.Y.: W. Norton & Co.

West, M. (1935) Definition vocabulary. University of Toronto Bulletins of the
    Department of Educational Research, 4, 1-105.

C. Readability or Word Difficulty Analysis

Betts, E.A. (1936) The Prevention and Correction of Reading Difficulties,
    Chapter 11: The Vocabulary Burden, Evanston, Ill.: Row, Peterson & Co.,
    200-230.

Bormuth, J. (1967) New developments in readability research. Elementary
    English, 44, 840-845.

Bormuth, J. (1968) Readability in 1968, National Council of Teachers of
    English, Research Bulletin.

Chall, J.S. (1958) Readability: An Appraisal of Research and Application,
    Columbus: Ohio State University.

Chall, J.S. (1947) This business of readability. Educational Research Bulletin, 26, 1-13.

Corson, D.J. (1982) The Graeco-Latin (G-L) instrument: A new measure of semantic complexity in oral and written English Language and Speech, 25, 1-10.

Dolch, E.W. (1928) Vocabulary burden. Journal of Educational Research, 17, 170-183.

Dolch, E.W. (1939) Fact burden and reading difficulty. Elementary English Review, 16, 135-138.

Flesch, R.F. (1943) Marks of Readable Style, N.Y.: Columbia University Bureau of Publications.

Fry, E. (1977) Fry's readability graph: Clarifications, validity, and extension to level 17. Journal of Reading, 21, 242-252.

Hotchkiss, S. & Paterson, D. (1950) Flesch readability reading list. Personnel Psychology, 3, 327-344.

Lewerenz, A.S. (1935) A vocabulary grade placement formula. Journal of Experimental Education, 3, 236.

Nolte, K.F. (1937) Simplification of vocabulary and comprehension in reading. Elementary English Review, 14, 119-124, 146.

Powers, R.D., Sumner, W.A., & Kearl, B.E. (1958) A recalculation of four adult readability formulas. Journal of Educational Psychology, 49, 99-105.

Spache, G. (1953) A new readability formula for primary-grade reading materials. Elementary School Journal, 53, 410-413.

Taylor, W.L. (1953) "Cloze Procedure": A new tool for measuring readability. Journalism Quarterly, Fall, 415-433.

X. Methods and Theories of Vocabulary Frequency Analysis

This section includes selected references for articles addressing methods, principles, and theories related to vocabulary frequency analysis. Topics discussed include statistical principles of sample analysis, principles of word-frequency distribution, mathematical models of language, and computer analysis of word frequency and content of conversation, texts, and written output. Categories within this section include:

    A. Methods of Content/Vocabulary Analysis
    B. Theories of Vocabulary Frequency Distribution and Language Prediction

A. Methods of Content/Vocabulary Analysis

Chotlos, J.W. (1944) A statistical and comparative analysis of individual written language samples. Psychological Monographs, 56, 77-111.

Gardner, R., Kuehne, C., & Reynolds, A. (1967) A word count program for language. Behavioral Science, 12, 344-345.

Gates, A.I. (1926) The construction of a reading vocabulary for the primary grades. Teachers College Record, 27, 625-643.

Harway, N.I. & Iker, H.P. (1964) Computer analysis of content in psychotherapy. Psychological Reports, 14, 720-722.

Hess, C.W., Ritchie, K.P., & Landry, R.G. (1984) The type-token ratio and vocabulary performance. Psychological Reports, 55, 51-57.

Holsti, O.R. (1964) An adaptation of the "General Inquirer" for the systematic analysis of political documents. Behavioral Science, 9, 382-388.

Johnson, W. (1944) Studies in language behavior: A program of research. Psychological Monographs, 56, 1-15.

McGuire, M.T., Lorch, S., & Quarton, G.C. (1967) Man-machine natural language exchanges based on selected features of unrestricted input - II. The use of the time-shared computer as a research tool in studying dyadic communication. Journal of Psychiatric Research, 5, 179-191.

Moe, A.J. (1980) Analyzing text with computers. Educational Technology, 20, 29-31.

Quarton, G.C., McGuire, M.T., & Lorch, S. (1967) Man-machine natural language exchanges based on selected features of unrestricted input - I. The development of the time-shared computer as a research tool in studying dyadic communication. Journal of Psychiatric Research, 5, 165-177.

Reed, D.W. (1949) A statistical approach to quantitative linguistic analysis. Word. 5, 235-247.

Starkweather, J.A. & Decker, J.B. (1964) Computer analysis of interview content. Psychological Reports, 15, 875-882.

Stone, P.J., Bales, R.F., Namenwirth, J.Z., & Ogilvie, D.M. (1962) The General
    Inquirer: A computer system for content analysis and retrieval based on
    the sentence as a unit of information. Behavioral Science, 7, 484-498.

Washburne, C. & Morphett, M.V. (1938) Grade placement of children's books.
    Elementary School Journal, 38, 355-364.

B. Theories of Vocabulary Frequency Distribution and Language Prediction

Carroll, J.B. (1938) Diversity of vocabulary and the harmonic series law of
    word-frequency distribution. Psychological Record, 2, 377-386.

Carroll, J.B. (1966) Word-frequency studies and the logonormal distribution.
    In E. Zale (ed.), Proceedings of the Conference on Language and Language
    Behavior, N.Y.: Appleton-Century-Crofts, 213-235.

Harris, Z.S. (1954) Distributional structure. Word, 10, 197-209.

Miller, G.A. & Newman, E.B. (1958) Tests of a statistical explanation of the
    rank-frequency relation for words in written English. American Journal of
    Psychology, 71, 209-258.

Miller, G.A., Newman, E.B., & Friedman, E.A. (1958) Length-frequency
    statistics for written English. Information and Control, 1, 370-389.

Shannon, C.E. (1948) A mathematical theory of communication. Bell System
    Technical Journal, 27, 379-413.

Shannon, C.E. (1951) Prediction and entropy of printed English. The Bell
    System Technical Journal, 30, 50-64.

Shannon, C.E. & Weaver, W. (1959) The Mathematical Theory of Communication,
    Urbana: University of Illinois Press.

Underwood, B.J. & Schulz, R.W. (1960) Meaningfulness and Verbal Learning,
    Chicago: J.B. Lippincott Co.

Zipf, G.K. (1935) The Psycho-Biology of Language, Boston: Houghton Mifflin Co.

Zipf, G.K. (1935) Observations of the possible effect of mental age upon the
    frequency-distribution of words, from the viewpoint of dynamic philology.
    Journal of Psychology, 4, 239-244.

Zipf, G.K. (1942) Children's speech. Science, 96, 344-345.

XI. Differences in Word Frequency and Use by Communicative Mode

This section lists selected references that discuss potential effects of communicative modes on the aspects of linguistic production. Different types of communicative modes discussed include spoken, handwritten or typewritten conversation; problem solving using speech, writing, typing or a variety of communicative devices; and interacting with a computer or machine by a variety of input methods. Potential modality effects on language discussed in these articles include changes in length and complexity of language, linguistic or problem solving style, speed of communication, ease of operation of communicative mode, and cognitive processing load of using various arrangements within communicative modes. Topic headings in this section include:

A. Qualitative/Quantitative Differences in Communication by Modality
B. Information Processing/Cognitive Limitations for Different Communicative Modes

A. Qualitative/Quantitative Differences in Communication by Modality

Chapanis, A. (1973) The communication of factual information through various channels. Information Storage and Retrieval, 9, 215-231.

Chapanis, A., Ochsman, R., Parrish, R., & Weeks, G. (1972) Studies in interactive communication: I. The effects of four communication modes on the behavior of teams during cooperative problem-solving. Human Factors, 14, 487-509.

Chapanis, A. & Overbey, C. (1974) Studies in interactive communication: III. Effects of similar and dissimilar communication channels and two interchange options on team problem solving. Perceptual and Motor Skills, 38, 343-374.

Chapanis, A., Parrish, R., Ochsman, R., & Weeks, G. (1977) Studies in interactive communication: II. The effects of four communication modes on the linguistic performance of teams during cooperative problem solving. Human Factors, 19, 101-126.

Drieman, G. (1962) Differences between written and spoken language: An exploratory study. I & II. Acta Psychologia Amsterdam, 20, 36-57, 78-100.

Earl, W.K. & Goff, J.D. (1965) Comparison of two data entry methods. Perceptual and Motor Skills, 20, 369-384.

Gibson, J., Gruner, C., Kibler, R., & Kelly, F. (1966) A quantitative examination of differences and similarities in written and spoken messages. Speech Monographs, 33, 444-451.

Horowitz, M. & Newman, J. (1964) Spoken and written expression: An experimental analysis. Journal of Abnormal and Social Psychology, 68, 640-647.

Kelly, M. & Chapanis, A. (1977) Limited vocabulary natural language dialogue. International Journal of Man-Machine Studies, 9, 479-501.

Klemmer, E.T. & Snyder, F.W. (1972) Measurement of time spent communicating. Journal of Communication, 22, 142-158.

McGuire, M.T. & Lorch, S. (1968) Natural language conversation modes. Journal of Nervous and Mental Disease, 146, 239-248.

Minor, F. & Revesman, S. (1962) Evaluation of input devices for a data setting task. Journal of Applied Psychology, 46, 332-336.

Morrill, C., Goodwin, N., & Smith, S. (1968) User input mode and computer-aided instruction. Human Factors, 10, 225-232.

Newman, S.E. (1980) Speed of writing and printing. Bulletin of the Psychonomic Society, 16, 283-286.

Ochsman, R. & Chapanis, A. (1974) The effects of 10 communication modes on the behavior of teams during co-operative problem-solving. International Journal of Man-Machine Studies, 6, 579-619.

Provins, K.A. & Glencross, D.J. (1968) Handwriting, typewriting, and handedness. Quarterly Journal of Experimental Psychology, 20, 282-289.

Root, R. & Sadacca, R. (1967) Man-computer communication techniques: Two experiments. Human Factors, 9, 521-528.

Weeks, G. & Chapanis, A. (1976) Cooperative versus conflictive problem solving in three telecommunication modes. Perceptual and Motor Skills, 42, 879-917.

B. Information Processing Consideratios for Different Communicative Modes

Coffey, J.L. (1961) A comparison of vertical and horizontal arrangements of alpha-numeric material- Experiment 1, Human Factors, 3, 93-98.

Kerr, B. (1973) Processing demands during mental operations. Memory and Cognition, 1, 401-412.

Millar, K. (1975) Processing capacity requirements of stimulus encoding. Acta Psychologica, 39, 393-410.

Ogden, W.C., Martin, D.W., Paap, K.R. (1980) Processing demands of encoding: What does secondary task performance reflect? Journal of Experimental Psychology: Human Perception and Performance, 6, 355-367.

Paap, K.R. & Ogden, W.C. (1981) Letter encoding is an obligatory but capacity-demanding operation. Journal of Experimental Psychology: Human Perception and Performance, 7, 518-527.

Schneider, W. & Shiffrin, R.M. (1977) Controlled and automatic human information processing: I. Detection, search, and attention. Psychological Review, 84, 1-57.

Schwartz, S.P. (1976) Capacity limitations in human information processing. *Memory and Cognition*, 4, 763-768.

Shaw, M. (1978) A capacity allocation model for reaction time. *Journal of Experimental Psychology: Human Perception and Performance*, 4, 586-598.

Shiffrin, R.M. & Schneider, W. (1977) Controlled and automatic human information processing: II. Perceptual learning, automatic attending, and a general theory. *Psychological Review*, 84, 127-187.

Zipf, G.K. (1949) *Human Behavior and the Principle of Least Effort*, Cambridge, Mass.: Addison-Wesley Press, Inc.

XII. Bibliographies/Reviews of Vocabulary Frequency Studies.

This section lists resources which reference or review studies of vocabulary frequency and wordset analysis. Studies included in the review listing either discuss word frequency studies singly, or compare relative merits and problems of different approaches to word frequency analysis.

A. Bibliographies

Bradshaw, J.L. (1984) A guide to norms, ratings and lists. Memory and Cognition, 12, 202-206.

Brown, A.S. (1976) Catalog of scaled verbal material. Memory & Cognition, 4, 1S-45S.

Dale, E., & Razik, T. (1963) Bibliography of Vocabulary Studies, second revised edition. Columbus: Bureau of Educational Research and Service, Ohio State University.

Foran, T.G. & Rock, R.T. (1930) An annotated bibliography of studies relating to spelling: Supplement No. 1. The Catholic University of America Educational Research Bulletins, 5, 1-24.

Horn, E. (1925) Spelling. Department of Superintendence Third Yearbook, Chapter IV, pp. 110-143.

Irmina, Sister M., Visitation, Sister M., & Gabriel, Sister M. (1928) An annotated bibliography of studies relating to spelling. The Catholic University of America Educational Research Bulletins, 3, 1-56.

B. Reviews of Vocabulary Studies

Darnes, D.K. (1972) Roundtable review [of the American Heritage Word Frequency Book]. Research in the Teaching of English, 6, 222-246.

Dolch, E.W. (1928) Combined word studies. Journal of Educational Research, 17, 11-19.

Fries, C.C. & Traver, A.A. (1940) English Word Lists: A Study of their Adaptability for Instruction, Washington, D.C.: American Council on Education.

Froese, V. (1975) Does the Dolch do? The Alberta Journal of Educational Research, 21, 23-27.

Harris, A.J. & Jacobson, M.D. (1973-74) Some comparisons between Basic Elementary Reading Vocabularies and other word lists. Reading Research Quarterly, 9, 67-109.

Hildreth, G. (1951) An evaluation of spelling word lists and vocabulary, studies. Elementary School Journal, 51, 254-265.

Hindmarsh, R.X. (1978) Some observations on the construction and use of an
intermediate level lexicon of English. In Strevens, P. (ed) In Honour of
A.S. Hornby, Oxford: Oxford University Press, pp. 141-147.

Horn, E. (1939) The validity and reliability of adult vocabulary lists.
Elementary English Review, 16, 129-134.

Johnson, D. (1975) Word lists that make sense - and those that don't.
Learning, 4, 60-61.

Lindsay, W.B. (1932) The Coleman Spelling Vocabulary and How it Was Obtained,
Chicago: Hall & McCreary Co.

Lorge, I. (1944) Word lists as background for communication. Teachers College
Record, 45, 543-552.

McKee, P. (1934) Language in the Elementary School, Boston: Houghton Mifflin
Co.

Rosenzweig, M. & McNeill, D. (1962) Uses of the semantic count in experimental
studies of verbal behavior. American Journal of Psychology, 75, 492-495.

Seashore, R.H. (1949) Implications of the Seashore vocabulary report.
Elementary English, 26, 407-413.

Shapiro, S.I. & Gordon, G. (1971) Contemporary norms of word and phonetic
frequencies. Journal of Verbal Learning and Verbal Behavior, 10, 92-
94.

West, M.P., Swenson, E., et. al. (1934) A critical examination of Basic
English. Bulletins of the University of Toronto Department of Educational
Research, Bulletin No. 2, 1-53.

Williams, H.M. (1932) Some problems of sampling in vocabulary tests. Journal
of Experimental Education, 1, 131-133.

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Selected Master's Theses Related to Word Frequency Analysis

Anderson, M.A. (1926) A measure of the quality of the adult writing vocabulary. Master's Thesis, University of Iowa.

Ausherman , M. (1950) Formal spoken vocabulary of college students. Master's thesis, Ohio State University.

Battit, A. et. al. (1955) The spontaneous speaking vocabulary of children in nursery-kindergarten, grades one, two and three. Master's thesis, Boston University.

Beck, M. (1928) An analytical study of the vocabulary of twelve primers. Master's thesis, Peabody Teacher's College.

Brittain, F.J. (1939) A study of the vocabulary used and the spelling errors made in written compositions of second-grade children. Master's thesis, Loyola University, Chicago.

Campbell, J.T. (1940) A study of word group frequency found in elementary school readers. Master's thesis, Teachers College, University of Cincinnati.

Carrigan, M.D. (1941) Infant readers and vocabulary. Ed.B. Thesis, Glasgow University.

Cesander, P.K. (1925) A basic high school spelling list. Master's Thesis, University of Iowa.

Corcoran, C., et. al. (1956) The speaking vocabularies of children in kindergarten, grades one, two and three. Master's thesis, Boston University.

Cox, M.A. (1929) Vocabulary of third grade children's letters. Master's thesis, Colorado State Teachers College.

Cullinan, J. et. al. (1956) The speaking vocabularies of children in kindergarten, grade one and grade two. Master's thesis, Boston University.

Dempsey, K., et. al. (1956) A compilation, classification, and comparison of lists of spontaneous speaking vocabulary of children in kindergarten, grades one, two and three. Master's thesis, Boston University.

Gerlach, F.M. (1917) Vocabulary studies. Master's thesis, Colorado college.

Hodgkins, A. (1957) The tabulation of spontaneous speaking vocabulary of 112 two to five year old children. Master's thesis, Boston University.

Hoffman, N.C. (1928) The vocabulary of 6th grade letters. Master's thesis, Colorado State Teacher's College.

Horn, M.D. (1927) An investigation of the vocabulary of kindergarten children. Master's Thesis, University of Iowa.

Hunter, E.L. (1929) The vocabulary of fifth-grade children's letters. Master's thesis, Colorado State Teachers College.

Lorenz, E.L. (1929) The writing vocabulary of third grade children. Master's Thesis, University of Iowa.

McKee, G.M. (1924) The vocabulary of children's themes. Master's Thesis, University of Iowa.

Miller, N.S. (n.d.) Critical analysis of vocabulary of ten 3rd grade readers. Master's Thesis, University of Iowa.

Miller, S.M. (1916) A critical analysis of the vocabulary of nine 3rd grade readers. Master's Thesis, University of Iowa.

Nowlin, E.W. (1931) The vocabulary of sixth-grade children's themes. Master's thesis, Colorado State Teacher's College.

Oberman, M.H. (1933) A study of the degree to which the written vocabulary of children has been determined. Master's thesis, University of Iowa.

Phares, M.L. (1923) A study of the classroom spoken vocabulary of seventh and eighth grade pupils: Its possible bearing upon the proglems of spelling. Master's Thesis, University of Iowa.

Powell, M. (1926) The written vocabulary and spelling efficiency of rural school graduates in Missouri. Master's thesis, University of Missouri.

Pratt, H.D. (1932) The vocabulary of fifth-grade children's themes. Master's thesis, Colorado State Teacher's College.

Price, E.M. (1955) Comparison of recorded vocabulary of children in kindergarthen through grade three with I.K.U. and Gates' lists. Master's thesis, Boston University.

Riddle, C.C. (1929) The vocabulary of fifth-grade children's letters. Master's thesis, Colorado State Teacher's College.

Sharp, W.S. (1929) The vocabulary of fourth-grade children's letters. Master's thesis, Colorado State Teacher's College.

Simpson, M. (1929) The vocabulary of children's letters. Master's thesis, Colorado State Teacher's College.

Vasey, F.T. (1918) Determining the vocabulary of public school children. Master's thesis, University of Iowa.

Wallace, B.J. (1954) A quantitative analysis of consonant clusters in present-day English. Master's thesis, University of Michigan.

Warning, W. (1917) An investigation of the word usage in adult correspondence. Master's thesis, University of Chicago.

Weaver, J.N. (1954-55) A study of word frequency in the oral vocabulary of kindergarten children. Master's thesis, San Jose State College.

Williams, B.H. (1926) A critical evaluation of investigations of children's writing vocabularies. Master's thesis, University of Iowa.

Williams, E.D. (1932) A comparative study of word lists. Master's thesis, University of Kentucky.

Wilmarth, A. (1926) The vocabulary of rural children's themes. Master's thesis, University of Iowa.

Ph.d Dissertations and Unpublished Papers Relevant to Vocabulary Frequency

Alderman, S. (1972) Protective vocabulary lists. Unpublished manuscript. Green County, Virginia, Public Schools.

Ashbaugh, E.J. Vocabulary of high school pupil's letters. Unpublished study, University of Iowa (in education office), Iowa City.

Bedrosian, J. (1981) A sociolinguistic approach to communicaton skills: Assessment and treatment methodology for mentally retarded adults. Doctoral dissertation, University of Wisconsin - Madison.

Betts, C.E. (1963) Communication skills of mentally retarded children aged 7, 9, and 11. Doctoral dissertation, State University of Iowa.

Brown, E.F. Vocabulary of children's themes. Unpublished study carried out in 1919, St. Louis Public Schools.

Bryan, F.E. (1952) The size of children's vocabularies. Doctoral dissertation, University of Pittsburg.

Comstock, E.M. (1975) Limited capacity central attention mechanisms. Dissertation Abstracts, 36, 933-B.

Crowder, C. (1924) A study of the spelling vocabulary of representative businesses of St. Paul and Minneapolis. Unpublished study.

Dare, S.E. (1948) A controlled vocabulary for the middle grades. Doctoral dissertation, University of Pittsburg.

David, D.C. (1967) An indispensable sight word vocabulary. Unpublished manuscript, University of Wisconsin, School of Education.

Fitzgerald, J.A. (1931) The vocabulary, spelling errors, and situations of fourth, fifth, and sixth grade children's letters written in life outside the school. Doctoral dissertation, State University of Iowa, Iowa City.

Fennell, E.L. (1924) An analytical study of the vocabularies used in primary readers. Unpublished study, University of Chicago, Dept. of Education.

French, W.C. A study of children's letters. Unpublished research, University of Chicago.

Le Jeune, J. P. (1974) The vocabulary of aphasic speakers. Doctoral dissertation, University of Victoria, Canada.

McCormick, S.H. (1976) Syntactic complexity and vocabulary diversity in two groups of children's books. Doctoral dissertation, Ohio State University.

McKee, P. Vocabulary of grade children's letters. Unpublished study on file in the Education Office, State University of Iowa, Iowa City.

Monroe, G.K. (1965) Phonemic transcription of graphic post-base affixes in English: A computer problem. Doctoral dissertation, Brown University.

Olivier, D.C. (1970) On the informativeness in the beginning, ends, and
    middles of English words. Unpublished manuscript, Harvard University.

Portnoy, S. (1968) A comparison of oral and written verbal behavior. Doctoral
    dissertation, Columbia University, New York.

Rapoport, A. (1965) Comparison of four models for word-frequency distributions
    from normal and aphasic speakers. Doctoral dissertation, University of
    N.C. - Chapel Hill.

Smith, H.J. (1913) Spelling vocabularies of children in elementary school.
    Unpublished study, University of Minnesota.

Wilson, C. (n.d.) Corlett Wilson's 220 essential vocabulary. Unpublished
    manuscript.