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Children's Association Frequency Tables

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CHAPTER I

Овјест

The primary object of the present investigation is to make a comparative study of the mental associations of children and adults. It is a study in group psychology, one group being that of children and the other that of adults. The study is made by means of association frequency tables. We have compiled such tables from the responses of one thousand school children, of ages nine to twelve, to each of one hundred stimulus words. Since we used the same stimulus words as Kent and Rosanoff, we have been able to take their adult frequency tables for comparison, and thus draw conclusions from a total of two hundred thousand cases of association.

A secondary object of our study, attained merely by the compilation of the children's association frequency tables, is to secure data which may serve as a standard in the studies of the mental associations of individual children. We believe that the responses of any child to the one hundred stimulus words,

¹ What is meant by association frequency tables is generally known, but should perhaps be fully explained. A word, called the stimulus word, is pronounced to a subject who has been instructed to respond with the first word that the stimulus word brings into his mind. The word responded with is called the reaction word or the response. The same stimulus word is given, say, to a thousand individuals. These thousand individuals will not all respond with a different word, but with one of a comparatively small number of words, a hundred or so. Now a frequency table is one which shows just how often each of these hundred or so words occurred in the one thousand responses. Suppose one half of the thousand subjects responded with the same word, its frequency would be 500. Usually the greater part of the thousand responses will be one of a very small number of words. These will all have a high frequency. On the other hand there are always a number of words found to have been given only a few times. Those given only once, that is, those having a frequency of only one in the frequency tables, are called 'individual' associations.

² Kent, Grace Helen, and Rosanoff, A. J., 'A Study of Association in Insanity'. Amer. J. of Insanity, Vol. LXVII, 1910, 1 and 2.

particularly when obtained several times and interpreted understandingly, afford one of the best pictures of his mental constitution that can be quickly obtained. It is in the picture, in the qualitative description, that we see the main value of the free association test.—not in any measurement it may give of the amount of intelligence. When regarded in this light, there is no reason why, in individual work, introspections should not be obtained, nor why association times should not be measured with the stop watch. It would seem, rather, to be imperative to obtain some introspective clues to the explanation of all exceptionally slow or very unusual associations. The frequency table is of value, in such individual study, as indicating what responses are most common, what most children do, and thereby affording a viewpoint from which to judge the individual child. Our various classifications of the data of the frequency tables may also be of value in this connection.

It is true that attempts have been made to use the free association test as a measure of amount of intelligence. The test has had some success in this way and is probably of some value. A children's frequency table will prove invaluable to all such investigations that may be conducted in the future. We repeat, however, that the main value of the association test is not in telling us how much mind but what kind of a mind the child has. It is only as a qualitative test that it deserves the encomiums heaped upon it by so many authors, particularly Woodworth and Wells. The latter refer to the test as having achieved, and being likely to retain, a place "in the foremost rank among the methods of individual psychology," and assert that the results that may be obtained by the use of standard frequency tables give "perhaps the best objective correlate of temperament at present to hand."

By our comparison of children and adults, we shall show that between the child and the adult there exist certain striking differences in mental make-up, differences with which we believe that the psychologist and the teacher of children should be thor-

³ Woodworth, R. S., and Wells, F. L., 'Association Tests,' Psychol. Monog., Vol. XIII, 1911. 57, p. 73.

⁴ Op. cit., p. 74.

oughly familiar. But we shall have nothing to say about how much more intelligent the adult is than the child.

The present study suggests a further use of our children's frequency tables, namely, its use for comparison with similar frequency tables obtained from children of different social status or race or of defective mentality.⁵

⁵ Wreschner writes as follows: "Darum erweist sich aber das Experiment über Reproduktion und Assoziation als geeignete Unterlage einer angewandten Psychologie, wie kein anderes. Macht doch schon jetzt von ihm ausgiebigen Gebrauch die Sprachforschung, die Psychopathologie, die Jurisprudenz und die Pädagogik, und erkannten wir doch auf Schritt und Tritt, von welcher Tragweite es für die Psychologie der individuellen Differenzen ist. Voraussetzung all dieser praktischen Anwendungen ist aber eine möglichst genaue Kenntnis der Bedingungen, Eigenarten und Formen der normalen Reproduktion und Association." Ztsch. f. Psychol. u. Physiol. d. Sinnes., Ergänzungsband, 3, 1907, p. 554.

CHAPTER II

PREVIOUS WORK

A knowledge of the methods and results of previous investigators of children's associations is indispensable to the proper interpretation and evaluation of the present data. Moreover, while the present work is intended primarily as a study in comparative group psychology, the present frequency tables may be employed by others in the study of individual differences. The success attained in this direction, however, will depend largely upon the user's knowledge of the psychology of association in children, as already established. It seems desirable, therefore, to give a brief résumé of preceding investigations, in so far as they bear upon the present study.

The first careful study of children's associations was published in 1808 by Ziehen. Ziehen used 45 boys of ages 8 to 14. These he studied individually, chiefly by the oral method. The instructions to the subject, while similar to those used by later investigators, may have differed from those somewhat because of certain implications or suggestions. The child, upon having a word called out to him, had, as quickly as possible, to indicate that representation (Vorstellung) which immediately followed the representation awakened by the stimulus word.2 It is evident that there is here a suggestion that the stimulus word called out to the child shall not immediately be followed by another word, but that it shall first call up an image and that this first image shall then be followed by a second image, to be designated verbally. This suggestion was no doubt strengthened by the further questioning of the child, since, immediately upon giving his response, he was asked whether he had thought of a definite object.³

¹ Ziehen, Th., Sammlung von Abhandlungen aus dem Gebiete der pädagogischen Psychologie und Physiologie, Vol. 1, 1899, 6, pp. 66.

² Op. cit., p. 10.

³ "Antwortete das Kind Z. B. auf "Frosch" mit "Laubfrosch," so frug ich, ob das Kind an einem bestimmten Frosch und Laubfrosch gedacht habe.

Ziehen formulated his main problem as follows: Does the association of ideas in the child as compared with the adult, show a preponderance or a lack of certain types of association? To answer this question, he compared the results obtained with children with those obtained from a "large number" of "analogous investigations" with adults. He obtained a very striking and important result. With adults, as the commonest case, he found that the stimulus word awakened a general idea (Allgemeinvorstellung) which in turn called up another general idea, designated by the response word. He estimates that this form of association occurred in 80 per cent of all the associations of his adults. With children, on the other hand, this association through general ideas was rare, though Ziehen says that it gradually increases in frequency with the age of the child. As by far the commonest case with children, he found that the stimulus word called up an individual or concrete idea, which called up another individual idea (Individualvorstellung). Ziehen says that while it is well known that a child does not employ the same range of general ideas in his thinking as does the adult, he was nevertheless astonished to discover to what extent the individual presentations predominate in the mind of the child. He concludes that in this respect the association of ideas in the child is different toto coelo from that of the adult.4 Adults tend to think in terms of general ideas, children in terms of concrete representations.

Besides this fundamental difference between children and adults, Ziehen mentions several minor differences. Verbal associations occurred but seldom with children, apparently much less often than with adults, and were apt to take the form of word-completion, e.g., post,—card. Rhyme associations occurred very seldom, much more seldom than with adults. The same is true of associations of words commonly connected, e.g., hand,—foot; hope,—love.

und erhielt Z. B. zur Antwort: "ja an den Frosch, den Ring's (eine bekannte Familie) vor 3 Wochen gehabt haben." In anderen Fällen antwortete das Kind, es habe "an alle Frösche" oder "an keinen bestimmten" gedacht u. s. f." op. cit., p. 11.

⁴ Op. cit., p. 32.

Ziehen was followed in his pioneer work by Meumann, who studied the mental associations of over 800 school children, distributed in 19 classes, in the hope of obtaining criteria of degree of intelligence. He used 4 groups of 12 words each: first, concrete substantives; 2nd, verbs; 3rd, adjectives; 4th, abstract substantives. The words were read to a class of children by their teacher, and to each word the children had to write as a response the very first word that came into their head. The teacher gave a few examples first. With few exceptions, the children readily comprehended the aim of the experiment. Among the 8 year old children, however, there were a few who continually wrote words which stood in no connection with the stimulus words. Meumann presents hardly any of his actual data, and it is not clear just what method he used in arriving at his conclusions. The latter, however, are stated in great detail.

As characteristics of the associations of the less intelligent children, which serve to distinguish them from the more intelligent, Meumann mentions the following tendencies:- 1. The less intelligent more often misunderstand or misinterpret the stimulus word. 2. They more often fail to write down a response. In the case of abstract substantives, they may omit 60 to 70 per cent of the responses. 3. They give a greater number of senseless responses. The word written may be senseless or may stand in no apparent relation to the stimulus word. 4. Their responses show less mental work, or, as we might say, less thought. They take more often the form of mere word changes or rhymes, simple opposites, or words frequently named together, e.g., cat,—mouse. 5. Their responses are more dependent upon the connections established in their school exercises. 6. They are more apt to deviate from the concrete associations characteristic of children and to exhibit an apparent precocity by responding with general and abstract terms. The greater likelihood of opposites in the case of the less intelligent would also have to be included under this heading, since opposites are characteristic of adults. 7. As already noted by Ziehen, their responses are more apt to show

⁵ Meumann, E., 'Intelligenzprüfungen an Kindern der Volkschule'; Die experimentelle Pädagogik, Vol. I, 1905, pp. 86-101.

perseveration, of which Meuman distinguishes three kinds. First, the response may consist in the repetition of a previous stimulus or response word. After its first occurrence, such a response stands in no apparent connection with the stimulus word. Second, and more commonly, a stimulus word starts a dominating chain of representations which then determine successive responses independently of the stimulus word. Third, the subject may hold to the same category of response, e.g., a strengthening adjective. This is only an index of unintelligence when the persistent category is not typical of the age in question.

It should be remembered that the data given in support of the above conclusions consist only in occasional illustrations. One of the conclusions which we believe stands in particular need of verification is that the less intelligent children are more apt to give logical opposites.⁶ It should be noted, further, that the above-mentioned differences between the intelligent and unintelligent children are merely differences in the frequency with which certain types of responses are found in the case of groups of such children. It is not established that any of them are reliable indices of the intelligence of a given individual.

Meumann also mentions certain characteristics which he regards as distinguishing younger children from older ones. One might expect these characteristics to be the same as those distinguishing the less intelligent children from the more intelligent. Meumann himself suggests the following important proposition: the symptoms of relative stages in the development of the child's intelligence are at the same time symptoms of the relative intelligence of individuals of like age. However, the characteristics which Meumann attributes to the more intelligent children, as compared with the less intelligent, are not identical with those which he attributes to the younger children as compared with the older. With the younger children, he says, the logical opposite hardly ever occurs, while, with the 13 and 14 year old children, it may constitute 90 or even 100 per cent of the responses. The

⁶ Op. cit., p. 91.

⁷Op. cit., p. 101.

⁸ Op. cit., p. 99.

difference is particularly striking when adjectives are used as the stimulus word. The 8 and 9 year olds, in place of giving the logical opposite, seek mainly a substantive which the adjective given as stimulus word describes, e.g., white,—paper; black,—coal. On the other hand, as already noted, Meumann states that the less intelligent are more apt to give the logical opposite than the more intelligent.

Another alleged exception to the parallel between age and intelligence has already been mentioned, namely, the tendency towards association of general ideas in the less intelligent children and in adults as contrasted with the use of concrete imagery in the case of the normal children. In view of the importance of these alleged similarities between adults and the more unintelligent children, and the absence of supporting data, the matter should evidently be reinvestigated.

Winteler.10 like Meumann, was interested in association as a possible means of diagnosis of intelligence. He obtained associations from 8 boys, all about 10 years of age, using a list of 40 stimulus words. The list included 25 nouns and 15 verbs and adjectives. Of these 8 boys, 3 were chosen, on the basis of their school work, as the most intelligent of their class, and 4, as the most unintelligent. The eighth boy was supposed to be of intermediate intelligence. Upon classifying the responses, according to their grammatical form, into nouns, adjectives, verbs and adverbs, he found that he could distinguish three reaction types. 11 These three types were about evenly represented, two of them by three boys each and the third by two. They showed no relation to the degree of intelligence. One type reacted to substantives mainly with adjectives, to adjectives with substantives, and to verbs with substantives; this is termed the perceptual (anschaulich) or describing type. Another type answered to substantives mainly with other substantives, to adjectives with other adjectives and to verbs with other verbs; this is designated the com-

⁹ Op. cit., p. 93.

¹⁰ Wintler, Jr., 'Experimentelle Beiträge zu einer Begabungslehre,' Die experimentelle Pädagogik, Vol. II, 1906, pp. 193-207.

¹¹ Op. cit., p. 207.

paring or relating type. The third type is mixed. Those subjects responding largely with adjectives showed considerable perseveration, which Winteler explains as due to a closely limited stock of words.

Wreschner, 12 in the course of his extremely detailed study of association, obtained data on free association with two children, one of 3¾ and one of 5¾ years of age. He recorded their oral responses to something over 300 words, and compared them with the responses of twenty adults, with whom he used a list of words varying in number from 57 to 503. All the responses were classified by the aid of a classification schema of about forty headings, and a comparison then made of the percentages for adults and children under each heading. 13 Of course the number of children used, two, is entirely too small to give these percentages any considerable reliability. The investigation of Winteler, referred to immediately above, shows how greatly children may vary in the type of their associations, since, in a group of only eight boys, he distinguished three markedly different classes.

Without attempting to explain in full Wreschner's classification schema, we shall note the main similiarities and differences shown to exist between children and adults by his percentages.

Adults gave over twice as many logical associations, over one fourth of their associations being of this sort. This appears to be due to the greater frequency of association of opposites, similars and synonyms, and associations from effect to cause. Association of opposites is by far the commonest form of logical association amongst adults, and is about five times as frequent with the adults as with the two children. Another type of association which occurred more frequently with the adults than with the children is that which Wreschner terms verbal or speech completion. It includes three sub-types: word completion, e.g., snow,—ball; 'speech reminiscences,' e.g., fox,—goose; and a certain class of 'attributive unions,' e.g., mother,—dear. For all of

¹² Arthur Wreschner, 'Die Reproduktion und Assoziation von Vorstellungen,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Ergänzungsband, 3, 1907, pp. 559.

¹³ Op. cit., pp. 285-294.

these sub-types, the percentages were greater for the adults. Taken together, they constituted about a fourth of the adults' associations but only 7 per cent of the children's.

The children, on the other hand, favored two forms of predicative connections. One of these is the reaction-word-subject type, in which the reaction-word constitutes a subject of the stimulus-word, e.g., round,—circle. This form of reaction constituted about one fourth of the children's associations but less than one tenth of the adults'. The other predicative connection preferred by the children is the 'stimulus-word object,' in which the stimulus word is the object of the reaction-word, e.g., sand, strew. This form of reaction constituted nearly a tenth of the children's associations but only one or two per cent of the adults'. The children also gave more frequently than adults associations classified as spatial and temporal localizations, e.g., windy, outside; still,—night. These constituted about one tenth of the children's associations, but only about one thirtieth of the adults'. In all other respects than those mentioned no appreciable differences in association type existed between the adults and the children.

Saling¹⁴ made some experiments on free association with a group of 34 school girls from 7 to 8 years old. The stimulus words were sixty in number and included ten of each of six varieties. The children had to think their reaction-words, and upon a signal from the experimenter to write them upon blanks. Saling compares the data thus obtained with results obtained on adults by Thumb and Marbe.¹⁵ This comparison, made in the form of a table,¹⁶ bears only on one point, namely, whether the most frequent response given to any stimulus word has a greater frequency with adults than with children. The table indicates that the most common response has a higher frequency, that is constitutes a larger percentage of all the responses, in the case of adults than with children.

¹⁴ Saling, Gertrude 'Associative Massenversuche,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Vol. XLIX, 1908, pp. 238-253.

¹⁵ Thumb and Marble, 'Experimentelle Untersuchungen über die Psychologischen Grundlagen der sprachlichen Analogiebildung,' Leipzig, 1901.

¹⁶ Op. cit., Tabelle I, p. 240.

This conclusion is clearly to a large extent due to the peculiar list of words used by Saling. It is noteworthy in the following respects: it is one-third composed of adverbs; it contains no verbs: it includes the names of the numerals one to ten; ten pronouns, and only ten nouns and ten adjectives; and, most striking of all, it is made up almost entirely, with the exception of numerals, of pairs of opposites or coordinates, e.g., father, mother; brother,—sister; large,—small; old,—young; I,—you; he,—she; here,—there; everywhere,—nowhere: now,—never: this,—that. Both members of each such pairs are included in the list of stimulus words. Now the data presented in the present study will show very clearly that such pairs of words as these constitute the type of associations which, above all others, characterizes adults in contradistinction from children. 17 The most frequent response to such words with adults is nearly always the other member of the pair; and it is not surprising that the most frequent responses to such words show a higher frequency with adults than with children. The natural tendency of adults to respond by the opposite or the correlative would no doubt be strengthened by the constant occurrence of opposites in the list of stimulus words. It is clearly the peculiar character of Saling's list of stimulus words which accounts for the very high frequency of the most common or preferred responses. On the average, with adults, the frequency of the preferred response was 56 per cent. The Kent-Rosanoff adult frequency tables, on the other hand, show only one response of a frequency over 56 per cent, while they show an average frequency for the most common response of only 26 per cent.18

It is evident, from the above considerations, that we are not entitled to generalize Saling's conclusions. With other stimulus words, the frequency of the most favored response might not be as great in adults as in children. The result obtained would clearly depend upon what words were used as stimulus words.

Rusk¹⁹ studied free association in 22 school boys, from 7½

¹⁷ See Chapter VI, p. 84-92.

¹⁸ Cf. Chapter VII, p. 97-98.

¹⁹ Rusk, Robert R., 'Mental Association in Children', Brit. Journal of Psychol., Vol. III, 1909-1910, pp. 349-385.

to 14½ years of age. The stimulus words, thirty in number, were presented visually instead of orally. The instructions used were as follows: "A word will be shown, e.g., dog. When anything comes into the mind, either name it or say 'Now'; then tell as exactly as possible what passed in the mind. Take your own time, but answer immediately the first idea comes into your mind."²⁰ Among the conclusions reached may be mentioned the following:

"The degree of perseverance varies inversely with age and intelligence. The present investigation confirms the results of previous workers on this point.²¹

"The present investigation confirms the statement of Ziehen as to the astonishing definiteness and vividness of the child's imagery which has much the same characteristics as its perceptual experience, viz. vividness and definite spatial and temporal localization: it also supports the general view as to the great predominance of concrete visual imagery over other forms of imagery accompanying the thought processes of the child.

"Children who are best endowed with respect to the various forms of imagery do not, it would appear from the analysis of the introspection here undertaken, necessarily stand highest in school."²²

Reinhold,²³ in 1910, published a children's association frequency table, based on data obtained from 300 school girls with 46 stimulus words. The girls ranged from 7 to 17 years of age, and were distributed in 10 successive classes, 30 in each class. The stimulus words were read to the class, and the children wrote down the first word that came to them. The number of different reaction words given by the 300 children to one stimulus word, was, on the average, 68.1. The average frequency of the most frequent response was about 26 per cent, but varied from 51.7 per cent (thunder,—lightning) to 10.0 per cent (play,—

²⁰ Op. cit., p. 359.

²¹ Cf. Meumann, p. 6 above, conclusion no. 7.

²² Op. cit., p. 385.

²⁸ Reinhold, Ferdinand 'Beiträge zur Assoziationslehre anf Grund von Massenversuchen,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Vol. LIV, 1910 pp. 183-214.

child(ren) and understand,—hear). The frequency with which no response was given varied from 1.7 per cent (for tree) to 22 per cent (for understand). Reinhold studied the variation with age in the percentage (of all the responses) constituted by the most frequent responses. He found no very reliable change in this percentage throughout the 10 different grades.²⁴ It has been mentioned above that Saling found the frequency of the most common responses to be definitely higher with adults than with children. The statement was made that this result would depend upon the words used, a statement that is verified by Reinhold's failure to find more than a mere suggestion of this tendency in comparing children varying in age from 7 up to 17. Reinhold's list of words, consisting mainly of unrelated nouns and verbs, was very different from that used by Saling.

Reinhold makes some interesting observations on the value of the free association test for the diagnosis of intelligence. Dividing each of his ten classes on the basis of school performance into halves, an upper and a lower, he finds no correlation between intelligence and the tendency to give sound associations, that is, associations where stimulus word and reaction word show similarity in sound. This finding contradicts one of Meumann's propositions.25 Reinhold is, in general, skeptical of the value association method for the diagnosis of the free individual ability. He points out that the reaction type is not always constant, but is easily and extensively modified by slight and unknowable influences.26 For example, a school girl, who upon first testing gave 15 per cent of sound associations, upon second testing gave only 5 per cent, while another gave at first testing only 2 per cent, but upon retesting gave 75 per cent.

Goett²⁷ interested himself mainly in the use of free association tests for the diagnosis of mentally abnormal children, but, for the sake of comparison, studied normal children as well. He

²⁴ Op. cit., p. 184.

²⁵ See p. 6, no. 4.

²⁶ Op. cit., pp. 213-214.

²⁷ Goett Theodor, 'Assoziationsversuche an Kindern,' Ztsch. f. Kinder-heilkunde, Originale 1, 1911, pp. 241-345.

studied individually and by the oral method, using a list of 100 stimulus words, 52 children, between 8 and 14 years of age, of whom 24 were normal, 12 not quite normal, and 16 feeble minded, epileptic or hysterical. He did not ask for introspections as he thinks them unreliable when obtained from children.

He gives first his results with normal children. He states that the reaction words themselves, regarded as such, and without respect to their relation to the stimulus words, have little However, he notes the not infrequent presence in normal children of reactions by phrases, of faulty reactions, including both cases of no response and senseless response, and of perseveration, noting particularly the perseveration of prefixes, e.g., un and of suffixes, e.g., the German ig. As regards the relation of the responses to the stimulus words, Goett distinguishes between inner associations, or associations by conceptual relationship, e.g., ocean,—sea, horse,—animal, and outer associations, or associations by spatial and temporal contiguity, e.g., ocean,—ship, horse,—wagon.28 Three-fourths of the children's reactions are found to be inner associations. Within the inner associations, he distinguishes three types, which he calls the predicative, the coordinating (including the contrasting) and the word compounding. The latter two types stand in a relation of opposition to the predicative. Like Jung, he defines the predicative associations as "all judgments, characteristics or activities that are in any manner related to the stimulus word as subject or object."29 The following are illustrations of this type: glass,-brittle; father,-good; good,-father; tooth,-protruding; and sing,—song. This class constitutes 41 per cent of all the children's responses, or over half of the inner associations. For children under 12 years they constitute 50 per cent of all associations, while for children over 12 years they form only 33 per cent. A further very interesting finding is that the percentage of these predicative associations varies with the social class to which the children belong.30 We reproduce the figures:

²⁸ Op. cit., p. 266.

²⁹ Op. cit., p. 272.

³⁰ Op. cit., p. 273.

	Children	Children
	under 12	over 12
'Proletariate'	60%	40%
'Better circles'	30%	25%

With psychopathic children, Goett finds the free association test to be of decided diagnostic value. He mentions several features which he regards as characteristic of the associations of the feeble-minded. As compared with normal childlen, they are slower; they show more perseveration; they give a larger percentage of predicative reactions; they react more often with phrases instead of a single word, and persist in this form of reaction in spite of instructions to react with a single word.³¹ All the features which Goett mentions as differentiating the feeble-minded from the normal, he also mentions as differentiating the younger children from the older. On the other hand, he finds that rhymes, word-completions, citations and simple contrasts very seldom occur with the feeble-minded. In only one of his cases, and that a case of moral rather than intellectual defect. did he find instances of association by contrast.³² These findings are in opposition to those of Wimmer, 33 and are interesting in connection with the comment above regarding Meumann's conclusions.84

Rosanoff and Rosanoff⁸⁵ published a study in 1913 designed to answer the question, "At what age in childhood or in youth do the associational tendencies, as they are observed in normal adults, become fully developed, and what is the rate and manner of their development?" Using the Kent-Rosanoff list of 100 words, they obtained the responses of 300 school children, twenty-five of each age from 4 to 15 inclusive.

"In making the tests the technique as originally presented

³¹ Op. cit., p. 327.

³² Op. Cit., p. 324.

³³ Wimmer, A., 'Uber Assoziationsuntersuchungen, besonders schwachsinniger Kinder,' Monatsschr. f. Psych. u. Neurol., Vol. XXV. 1909. pp. 169-268.

³⁴ P. 7.

³³ Rosanoff, Isabel R., and Rosanoff, A. J., A Study of Association in Children, Psych. Rev., Vol. XX, 1913, 43-89.

³⁶ Op. cit., p. 43.

could not in all cases be followed exactly; the best way seemed to be by asking the child, after his confidence had been gained and he had become composed, 'What does table make you think of?' Failing to obtain a response some other word would be selected: 'What does music make you think of?' or 'What does black make you think of?' In this way, eventually, a response was obtained, and it was then possible to proceed with the stimulus words in their proper order."

"Many of the stimulus words often evoked either no response at all or only some such response as 'I don't know that' or 'Mamma never taught me that'; . . . Such instances were recorded as failures of reaction, but at the conclusion of every test the stimulus words to which no responses were obtained were given again with a view to reducing the number of failures of reaction in every case to a practical minimum."³⁷

The association records obtained from the children were analyzed in accordance with the Kent-Rosanoff classification. Any response occurring only once in one of the Kent-Rosanoff frequency tables for adults is regarded as an individual adult association, unless it is a grammatical variant or derivative of some other word in the table, in which case it is called a 'doubtful' reaction. The percentage of individual reactions in the Kent-Rosanoff adult frequency tables is 6.8. This means that to each of their stimulus words, there occurred, excluding doubtful reactions on an average 68 responses with a frequency of only 1. Now the data obtained with children were classified according to the same rubrics, using the adult frequency tables as a standard.

Any reaction given by the children which did not occur at all in the adult frequency tables was classified as individual. This procedure is of value only in shedding light on the particular problem asked by Rosanoff and Rosanoff, as to when the associational tendencies of children become like those of adults. It will not determine whether children give more individual associations than adults. An individual association in the case of an adult means an association not given by other adults. That it may not be given by children does not make it an individual asso-

³⁷ Op. cit., p. 44.

ciation. For example, the association, stomach,—organ, has a frequency of 81 in the Kent-Rosanoff table, and the association, hand,—foot, a frequency of 204. Neither of these associations occurs at all in our children's tables. Now for adults, these associations could not be classified as individual. Many such illustrations could be given.

Similarly, an individual association in the case of a child should mean an association not given by other children, and should not be called individual merely because it does not occur with adults. We could give a long list of associations which have a frequency of 10 or over in our children's tables but which do not occur at all in the Kent-Rosanoff tables, and which would, consequently, have to be classed as individual associations if we followed the procedure of Rosanoff and Rosanoff. The following are a few illustrations, with the frequencies found in our children's tables: bread,—slice (13); boy,—trouser (16); moon, -face (13); street,—lamp (41); spider,-spin (10); beautiful, -doll (30); red,-lantern (13); working,-clothes (15); sour,—cream (52); loud,—cry (29); and carpet,—dirty, (35). Any procedure which classifies such children's associations as individual, merely because they are not found in the Kent-Rosanoff tables, even though it may be of aid in answering some particular question, is evidently far from satisfactory.

Even had Rosanoff and Rosanoff compiled children's frequency tables from their data, which they did not, it would have been impossible to reliably compare adults and children with respect to individual associations, because of the difference in the size of the groups. A frequency of one in a total of one thousand is a different thing from a frequency of one in a total of three hundred. The natural expectation would be that as the size of the group increased the absolute number of individual reactions would increase but that the percentage of such would decrease. This would be the natural result because of the principle noted by Saling that there is a tendency among normal persons to respond to any stimulus word by one or another of a fairly small group of words.³⁸ The impropriety of comparing

³⁸ Op. cit., p. 14.

percentages from association frequency tables based on widely different numbers was fully stated by Reinhold³⁹ and proved statistically by Dauber.⁴⁰

Passing from the consideration of methods to that of conclusions, we find that the Rosanoffs state as their main conclusion that, "as compared with adults, children, especially those under eleven years of age, give a larger number of doubtful and individual reactions and of failures of reaction, there being a corresponding reduction of common reactions."41 They state further that, "All the characteristics by which test records of children differ from those of adults are most marked in the youngest children, grow less marked with advancing age, and become practically obliterated at the age of eleven years." Now the Rosanoffs have compared children and adults only with respect to the following characteristics: individual and doubtful reactions and failures of response. Their statement, then, to the effect that at the age of eleven years all characteristics of association in children are the same as in adults is evidently much too broad. We emphasize this point, because we believe that the characteristics in which the Rosanoffs have compared adults with children so far from being all-inclusive, are, in fact, comparatively unessential, technical⁴² matters,—what Goett calls the 'by-products'

³⁹ "Wenn man die Zahl der Versuchspersonen immer weiter vermehrt, tritt infolge der Beschränktheit des Sprachschatzes und auch schon infolge der Beschränktheit der Anzahl der bekannteren Wörter schliesslich der Fall ein, das es den neu hinzukommenden Versuchspersonen unmöglich oder wenigstens schwierig ist ein neues Reaktionswort zu nennen. Sie werden infolgedessen genötigt sein, um so mehr übereinstimmende Wörter zu nennen, je mehr die Zahl der Versuchspersonen wächst. Es ist daher nicht richtig, wie Wreschner es tut, die Zahl der bei einem Reizwort vorkommenden verschiedenen Reaktionswörter in Prozenten anzugeben." Op. cit., p. 186.

40 Dauber, Johann., 'Ueber bevorzugte Assoziationen und verwandte Phänomene,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Vol. LIX, 1911, Table 8, p. 196.

⁴¹ Op. cit., p. 88.

⁴² Whipple writes as follows: The author (Whipple) is inclined to believe that here, as in not a few other instances in which children differ from adults in psychological tests, what we are really bringing to light is an inability of the children to understand the instructions or disclination to follow them if they are understood."—'Manual of Mental and Physical Tests,' Part II, 2d ed., 1015, p. 62.

of the association experiment.⁴³ We should say that the main comparison, and the only one which could really utilize all the data of frequency tables, was a comparison of the response words of children with those of the adults, to see whether these responses were the same and to what extent their frequency was the same. This the Rosanoffs have not attempted.

In conclusion, we shall mention three recent studies designed to show the value of free association experiments in the diagnosis of feeble-mindedness and the determination of mental age. These are the studies of Eastman and Rosanoff, Otis, and Römer.

Eastman and Rosanoff,⁴⁴ after a study of 253 subjects selected on the basis of backwardness in studies as rated by teachers, conclude that states of arrested mental development present certain fairly characteristic associational tendencies. These tendencies are characterized mainly by failures of reaction, non-specific reactions, e.g., person, man, article, nice, use, etc., and certain types of individual reactions.⁴⁵

Otis⁴⁶ studied 132 mentally defective children and 202 normal children by the Kent-Rosanoff association test. In the case of normal children, an unusual variation in procedure consisted in testing two children at the same time by the oral method. It is said, however, that the type of response was not affected by this method; that if a child tended to reply by associations of a certain type, he would continue to do so even though his neighbor were replying by associations of a different type. It is said, also, that the general result was not affected by the personality of the examiners, two of whom cooperated in giving the tests. Otis distinguishes five types of response,⁴⁷ as follows:—(I) Repetition of stimulus. If 50 per cent or more of a child's reactions

⁴³ Goett, Th., 'Associationsversuche an Kindern,' Ztsch. f. Kinderheilkunde, Originale 1, 1911, p. 258.

⁴⁴ Eastman, Frederic C., and Rosanoff, A. J., 'Association in Feeble-Minded and Delinquent Children,' Amer. J. of Insanity, Vol. LXIX, 1912, pp. 125-141.

⁴⁵ Op. cit., p. 141.

⁴⁶ Otis, Margaret, 'A study of Association in Defectives,' Journ. of Educ. Psychol., Vol. VI, 1915, pp. 271-288.

⁴⁷ Op. cit., p. 275.

are the repetition of the stimulus word, the child belongs to this type. (II) Non-logical. This means that words are given at random without connection with the stimulus word. (III) Sound reactions. The reaction word is connected by sound with the stimulus word. It may be either a word or neologism. (IV) Reaction consists of more than one word. This may be a noun with modifier, a phrase or a complete sentence. (V) Reaction one word, normal type. At least 50 per cent of these reactions must be found in the frequency tables of Kent and Rosanoff. Type I (repetition of stimulus word) is common in normal children of 4 or 5 years of age and in defectives of 2 to 6 years mental age. Type II (non-logical or incoherent) occurs in normal chilldren or 4 to 8 years of age, and in defectives from 3 to 5 years of age. It is commonest in normal children of 5 years. Type III (sound reactions) appears sporadically. Type IV (reaction consists of more than one word) occurs in normal children from 4 to 8 years of age, and in defectives from 4 to 10 years of mental age. Type V (reaction one word, normal type) occurs in both normal and defectives as early as the age of 4 but is not established as the prevailing type much before the age of eight.48

Our comment upon this work of Otis, as upon that of Rosanoff and Rosanoff, would be that it deals merely with by-products of the association test. From our viewpoint, the main thing she establishes, so far as the psychology of association is concerned, is that children under 8 are too young for the Kent-Rosanoff test. We would also criticize strongly the use of the Kent-Rosanoff adult tables for the determination of the normality of children's responses (see Type V).

Römer⁴⁹ is interested mainly in the use of the favorite, or most frequent, responses as a possible means of the diagnosis of feeble-mindedness. He obtained free association responses by the oral, individual method from 120 mentally retarded children, children of the Hilfschule of Würzburg, between the ages of 7.3

⁴⁸ Op. cit., p. 282.

⁴⁹ Römer, Fritz, 'Associationsversuche an geistig Zurüchgeblienbenen Kindern,' Forschritte d. Psychol. u. ihrer Anwendungen, Vol. III, 1914, pp. 43-101.

and 15.6 years. For comparison, he obtained data by written class responses from 441 normal, school children from 7 to 14 years of age. His conclusions bear not only on the favorite responses, that is, those of highest frequency, but upon all responses of a frequency over one, which we may designate common responses. He finds that with retarded children the favorite responses are different than with normal children, and that, except in cases where the stimulus word is a numeral, their frequency is less. The frequency of the favorite responses increases with the chronological age of the normal children and with the mental age of the retarded children. It will be remembered that Reinhold did not find much regularity in the relation between the frequency of the favorite responses and age, but Römer thinks that it is definite enough to give value to free association as an intelligence test. He reckons, for each child, what percentage of his reactions consists of favorite responses. He then calculates for children of each age what percentage of favorite responses is exceeded by three fourths of them. This latter percentage he calls the minimal normal percentage of favorite reactions. He then observes that the great majority of his retarded children fall below the minimum for normal children of the same chronological age, but equal or exceed that of normal children of the same mental age.50

As regards the form of the associations of retarded children, Römer notes a very frequent occurrence of sound associations, of word completions, of the formation of new words, and of perseveration.⁵¹

In justice to the authors mentioned in the preceding review, it should be noted that reference has been made only to work which bears directly upon the problem of the present investigation, that is, upon the characteristics of free association in children. We have taken no account of work that has been done on controlled association, in which the response has to be of a certain category, nor have we discussed the somewhat conflicting findings on association time. On the latter point, however, a

⁵⁰ Op. Cit., pp. 100-101.

⁵¹ Op. Cit., p. 99.

few words should be added, though it is unnecessary to attempt a detailed history.

By association time, is meant the time (usually measured by a stop watch in fifths of a second) elapsing from the pronouncing of the stimulus word until the occurrence of the subject's response. With unpracticed adults, the median association time is usually somewhere between 6 and 15 fifths of a second. With practice, this time tends to decrease towards a limit of 6 fifths of a second.⁵² Now with children of 9 to 12 years of age, the association time is on the average longer than with adults, but at the same time very irregular. We have, also, noted enormous individual variations in children's association time. In spite of the fact that association time is unquestionably greater in children than adults, it has been hard to establish any reliable correlation in children between association time and age, mental or chronological.

In the case of adults, when any association requires considerably longer than the average association time of the individual, this association has unusual significance. It has been shown that such lengthened times are often due to the stimulus word being connected with strongly emotional complexes. Even in adults, however, there are other factors than emotional connections which tend to lengthen the free association time. On this point we may well quote from Wells.

"The free association time is exactly what its name implies, a measure of associative freedom. This involves a freedom of presentation, of selection, of expression. We obtain uniformly short association times in those individuals in whom all these processes are comparatively free. Where longer times are found, obstruction of some sort is indicated. . . . This is as far as the unsupported association time will carry one. It remains then to become acquainted with the nature of the obstruction. Where it is found, it must not be incontinently set down to emotional factors, but the roles of suppression, indecision, and the like, must be carefully compared and weighed by the best avail-

⁵² Wells, F. L., 'Practice Effects in Free Association,' Amer. J. of Psychol., Vol. XXII, 1911, p. 13.

able means. Then only do the differences in association time assume their complete significance for the test, which is the most searching of all psychological experiments, and gives more coercively than all others, a paradigma of the subject's mental habits."53

There is little data on the causes of lengthened association times in children, but it seems probable that they are so very frequently connected with lack of familiarity with the stimulus word or with inability of the stimulus word to call up any associated word, that they have not the same value as with adults.

In conclusion, we may summarize briefly the present status of our knowledge of children's associations as compared with those of adults. Only two investigators have undertaken any systematic comparison of the association types of children with those of adults. These are Ziehen and Wreschner. Ziehen's main result, which is very important, consists in the determination that children make much greater use of concrete images and much less use of abstract ideas than do adults. Wreschner arrives at a number of interesting differences in association type between children and adults, but he used only two children, the oldest of whom was only 5¾ years of age.

In additions to the comparisons of Ziehen and Wreschner concerning association types, we have those of Saling and of Rosanoff and Rosanoff. Saling compared her results in children with those of Thumbe and Marbe and found that the most frequent response had a higher frequency with adults than with children. We have pointed out that this result was likely due to the peculiarities of the list of stimulus words used. Our own investigation emphatically fails to support the general validity of Saling's conclusion. Rosanoff and Rosanoff conclude that children give more individual associations than adults, but we have shown that their procedure was not capable of throwing any light on such a matter, but merely established that children's associations are different from those of adults. It does not tell us how they are different.

⁵³ Wells, F. L., 'Some Properties of the Free Association Time,' Psychol. Rev., Vol. XVIII, 1911, p. 23.

CHAPTER III

PROCEDURE

1. Oral and Written Responses.

The review of previous work in the preceding chapter has shown that various procedures have been used by different investigators. All these procedures agree, however, with the possible exception of Ziehen's and Rusk's, in that they call upon the subject to respond with the very first word called up by the stimulus word. The stimulus word has nearly always been given orally and the response either written or spoken, written when groups of children were used and spoken when the children were taken individually. In most of the more extensive investigations of children's associations, the children have been school children, who were taken in classes; and in such cases, the responses have been written. Written responses were used by Meumann, Saling and Reinhold. Römer used written responses with his normal children and oral responses with his mentally retarded children with whom he compared them.

So far as can be observed from the results reached, it matters little whether one uses the oral or written method. The main difference seems to be that with the written method cases of no response are more frequent, though the number of such obtained with the oral method depends greatly upon details of the procedure, such as the time allowed for a response and the patience, manner, suggestion and urging of the experimenter. The written method commends itself in statistical investigations because of the great saving in time and the greater uniformity of conditions. If a child hesitates, there is no extra waiting and no suggestive questioning,—no tendency to give him the word a second or a third time. We have, consequently, used the written method in obtaining data for the present frequency tables.

Since, however, the Kent-Rosanoff adults' tables were obtained by the individual oral method, we have checked up our results by compiling additional frequency tables for the first nine words from data obtained individually, by the oral method, from a thousand additional children. The results obtained by the oral method are given in full in our children's frequency tables, the frequencies obtained orally being distinguished from those obtained in writing by being in parentheses.

It does not require more than a cursory examination to see that in general the written and oral results run parallel. same differences exist between adults and children whether we use the oral or the written data.—at least so far as the conclusions of the present monograph are concerned. One need not be surprised that in particular responses great discrepancies exist between the oral and written results. One must keep in mind the unreliability of the obtained frequencies. If one should compile another adult frequency table and compare it with that of Kent-Rosanoff, it would be very surprising if marked discrepancies were not found. Now it is very hard, without making certain questionable assumptions, to calculate the probable errors of the frequencies obtained in these tables. We have calculated, however, that less than 20 per cent of the discrepancies between our oral and written results can be reliably regarded as due to anything else than errors of sampling. On the whole, the oral and written results agree to a sufficient extent to indicate that the differences which are later pointed out to exist between children and adults are independent of details of the procedure,—that they represent real differences in mentality and not differences due to To establish this proposition beyond dispute, however, we present in Chapter IX, detailed comparisons of the results obtained orally and in writing.

2. Instructions.

The instructions were essentially the same whether we used the oral or written method. In using the oral method, the instructions were given to the entire class. The children were then sent out one at a time into another room where, without further instructions, they were tested individually. It has been the experience of previous investigators that children need some illustration of what is wanted in the test. As the illustrations given may have a strong suggesting influence, it is important that they should be given very carefully and be accurately recorded. We wrote out our instructions beforehand. They were given as follows, an eraser first being taken from the chalk tray and held up before the class:

"If I were to ask you for the very first word that comes into your minds when I hold up this eraser, some of you would probably say, 'chalk',—'blackboard',—'write',—or 'school',—while others might think of the color, 'red', or 'blue'; or of the material of which it is made, as, 'felt', or 'wood'. Still others of you might remember that just before recess or noon you worked arithmetic on the blackboard, and that your work had to be erased before you could be dismissed,—and so to you, the sight of an eraser might suggest the word 'play',—'home',—'dinner',—or 'recess'.

"Now let us take another word, and I'll give you a quarter of a minute, by this stop watch, to think before raising your hands. What would you think of first if I said 'clock'? (Fifteen seconds allowed) Ready."

Instantly hands go up, and the responses are called for. The variety of responses serves well to illustrate what is wanted, and inspires confidence in the pupils. It also gives the experimenter a chance to correct any who reply with a phrase in place of a single word, or who merely repeat the stimulus word.

After this, instructions were continued, exactly as follows, for the written responses, and with the obviously necessary changes for the oral:

"What you are to do now, is this. I will give you a large number of words, but instead of telling me what they make you think of, I want you to write on some blanks I have here, the very first word that comes to your minds when I give you a certain word,—such as 'clock' that we just talked about."

Blanks, already ruled, are then passed, and the instructions for writing are given:

- 1. Write just one word on each blank.
- 2. That one word must be the very first word you think of.
- 3. Never write the word I give, for you will not have time.

- 4. If you do not think of anything when I give a word, leave blank the line on which it should have been written.
 - 5. If uncertain how to spell a word, spell it by sound.

Just before beginning the experiment the following questions were asked, to be answered in chorus.

- (1) Are you going to write the word I pronounce? (No.)
- (2) How many words are you going to write on each blank? (One.)
- (3) If you should think of two or three different words, which one would you write? (The first.)

3. Choice of Stimulus Words.

As we desired to compare our results with those of Kent and Rosanoff, we naturally used the same stimulus words. The data obtained by Rosanoff and Rosanoff had already shown, however, that some of the words were too hard for children. This was shown by the large number of failures to respond to some of the words. We accordingly added twenty words which seemed more appropriate for children, so that we worked with a list of 120 stimulus words. The words added were the following:-fun, school, ice, dog, friend, orange, mouse, finger, circle, kiss, bird, money, laugh, garden, ghost, flag, milk, pencil, stork, and candy. Of the 100 Kent and Rosanoff words, there were only ten, however, that gave over 20 per cent of failures to respond. We decided, therefore, to reject only those ten words and to use the results of only ten of our twenty new words in their place. Our frequency table, consequently, consists of one hundred words, ninety of which are identical with those of Kent and Rosanoff. Our comparisons of adults and children will be limited of course to these ninety words. The remaining ten Kent-Rosanoff words we regard as too unfamiliar to children to allow of satisfactory results.

The words rejected and substituted were the following:

New Words			
Substituted			
fun			
school			
candy			
stork			
garden			
flag			
laugh			
milk			
ghost			
friend			

Of the ten Kent-Rosanoff words rejected, seven were found by Rosanoff and Rosanoff to give the largest number of failures of response, and the remaining three were also found by them to give failures comparatively often.¹ Since the words rejected by us were those which we found to give the largest number of failures of response, there is substantial agreement here between our results and those of Rosanoff and Rosanoff. In our children's frequency tables we have given the stimulus words the same numbers they have in the Kent-Rosanoff tables, and substituted our ten new words for theirs in the order indicated above.

4. Treatment of Failures of Response.

When it came to comparing children with adults, the presence, in the case of the children, of a large group of failures of response with most of the stimulus words created something of a problem. In the Kent-Rosanoff adult tables, there are no cases of no response. It seemed improper to compare frequencies based on 1,000 adult responses with frequencies based on, say 900, children's responses. What we did, was to take enough additional responses to total one thousand actual responses, not including failures to respond. In order to have the material for this, we used 200 additional children, and, after arranging their blanks in haphazard order, counted down as far as necessary to get a number of responses equal to the number of failures of response with the stimulus word in question. We proceeded similarly with the oral data, fillling in failures of response from

¹ Psych. Rev., Vol. XX, 1913, Table III, p. 47.

additional oral data. Our children's frequency tables are thus made up on the basis of one thousand actual responses.

These additional responses, substituted for the failures of response, we usually found to consist largely of the same words already obtained as responses, but they included always a number of new responses. That this filling-in procedure is not open to any material objection appears evident from the comparison we have made of the frequency tables obtained by the oral method, with which the number of failures of response was quite small, and those obtained by the written method. In general, then, it is probable that if the responses had been obtained from those children who did not respond, their responses would not differ strikingly from those of any other equal number of children.

The number of failures of response in one thousand children for each of the 100 stimulus words is given in the accompanying table. The data for the oral responses are given in italics.

	TABLE	SHOWING	Num	BER OF	FAILURES	of Re	SPONSE	то Елсн	STIMULU	s Word	
1.	Table	(11) 38	26.	Wish	122	51.	Stem	6	5 76.	Friend	174
2.	Dark	(28) 124	27.]	River	18	52.	Lamp	2	2 77.	Hammer	34
3.	Music	(16) 22	28. 1	White	81	53.	Dream	10	8 78.	Thirsty	92
4.	Sickness	(33) 90	29.]	Beautif	ul 39	54.	Yellow			City	109
5.	Man	(60) 73	30.	Windov	v 21	55.	Bread			Square	184
6.	Deep	(36) 62	31. 1	Rough	127	56.	Flag			Butter	79
7.	Soft	(37) 87	32, 5	Stork	82	57.	Boy	8		Doctor	91
8.	Eating	(11) 61	33, 1	Foot	97	58.	Light			Loud	187
9.	Mountain	(13) 46	34. 5	Spider	111		Laugh	11		Thief	77
	House	60	35. I	Needle	37		Bible			Lion	79
11.	Black	102	36. I	Red	115	61.	Milk	2	5 86.	Joy	107
12.	Fun	65	37. 5	Sleep	78	62.	Sheep			Bed	31
13.	School	0	38. 4	Anger	109	63.	Bath			Heavy	141
14.	Hand	102	39. (Carpet	66	64.	Cottage			Tobacco	43
15.	Short	175	40. (Girl	120	65.	Swift			Baby	92
16.	Fruit	44	41. I	High	98	66.	Blue	5		Moon	97
17.	Butterfly	112	42. V	Working	g 118	67.	Hungry			Scissors	29
	Smooth	161	43. 5	Sour	107		Priest	11	4 93.	Quiet	114
19.	Candy	59	44. I	Earth	97	69.	Ocean	3	8 94.	Green	66
	Chair	89	45. (Garden	41	70.	Head	12		Salt	172
21	Sweet	109	46. 5	Soldier	39	71.	Stove	2		Street	59
	Whistle	100	47. (Cabbage	57	72.	Song	8	9 97.	ping	117
	Woman	123	48. I		175		Ghost	14		Cheese	65
	Cold	124	49. I	Eagle	42	74.	Whiske	y 8		Blossom	59
	Slow	172		Stomack	n 95		Child	. 8		Afraid	92

5. The Selection of the Children.

The children used in this investigation were all from 9 to 12 years of age, inclusive, and in either the 4th or 5th grade. Moreover, no children of 12 in the 4th grade were included. The children were therefore normal children. The number of children of each age composing the one thousand children used in

the written work was as follows: 9 yrs., 236; 10 yrs., 327; 11 yrs., 293; 12 yrs., 144. The two hundred children whose responses were used to fill in cases of no response were distributed somewhat the same, as follows: 9 yrs., 40; 10 yrs., 71; 11 yrs., 56; 12 yrs., 33.

Of course, it would be desirable to have a frequency table for each different age, or for as many different ages as possible. We believe it unlikely, in view of the enormous labor of compiling such tables, that any individual would undertake to compile several of them. It was thought that the four ages in question might be fairly satisfactorily grouped together. We have, however, tabulated the results for the different ages separately. Data as regards the most frequently given responses are given in Chapter V. As will be seen, the agreement for the four ages is marked. It extends throughout the whole of the frequency tables. Compared with the differences between children and adults, the differences between 9 and 12 year old children are very slight.

There were several reasons which influenced us to use the ages of 9 to 12. It seemed to us that children of 8 or under were really too young to carry out the directions that go with the free association test. We were confirmed in this opinion by the study of Otis, which appeared while we were carrying on our work.² On the other hand, the results of Meumann and, to some extent, perhaps, those of Rosanoff and Rosanoff, suggested that, beginning at the age of 12 to 13, the associative tendencies of children begin rapidly to approach those of adults. Moreover, we had to consider that children in grades lower than the fourth have hardly sufficient control over the process of writing to be able to write their responses, and 9 years is the youngest age occurring with any considerable frequency in the fourth grade.

The children were all Minneapolis school children, and the tests were all given in the fall of 1914. Ten different schools were included, scattered in various sections of the city. In each school, four classes were used, the B 4th and A 4th, and the

² See our account of 'Previous Work', Chapter II, p. 19-20.

B 5th and A 5th. The question might now arise whether results obtained in one city are as truly representative of the population in general as are the Kent-Rosanoff results obtained in various places in the East. We believe that they are fully as representative, because nearly all children of the ages we used are in school and therefore families of all classes and occupation are represented in about the right proportion. However, it may be well to keep in mind that these children are all city children and to be on the lookout for local influences. To the word river, we obtained the response Mississippi (which flows through Minneapolis) seventeen times and the name of no other river more than once. The Kent-Rosanoff results show just as much local color however, since to the word river they obtained the response Hudson thirty-three times, East, four, Mississippi, eight, and no other river more than once.

The children were of nearly all the nationalities commonly represented in the United States. They were asked to write the nationality of their parents upon the back of their blanks. The data obtained are shown in the following table:

NATIONALITIES

10 Scotch

123 American 12 German-Swedish I Armenian 1 Greek 67 Irish 6 Austrian 1 Austrian-American 17 Irish-American 1 Austrian-Servian 2 Irish-Bohemian I Irish-Canadian 24 Bohemian I Irish-Chinese 1 Bohemian-American 1 Bohemian-Norwegian 13 Irish-English 3 Canadian-American 1 Danish I Irish-German-English 1 Irish-Norwegian 2 Danish-German I Irish-Polish 3 Irish-Swiss 3 Danish-Norwegian 8 Italian 3 Dutch-American 1 Italian-English 3 Jewish 68 Norwegian 3 Dutch-Swedish 33 English 7 English-American 9 Norwegian-American 1 English-Bohemian 3 Norwegian-English ... I Norwegian-Scotch-Irish 1 English-Swedish 1 English-Swiss 23 Norwegian-Swedish 46 Polish 5 Finn 30 French 1 Polish-Russian 3 Polish-Slavonian 4 French-American 1 French-Bohemian 34 Russian

I French-Dutch

- 15 French-German
- 11 French-Irish
- 3 French-Norwegian
- 5 French-Scotch
- I French-Scotch-Irish
- 3 French-Swedish
- oo German 20 German-American
- 4 German-Bohemian
- i German-Canadian
- 1 German-Dutch
- 1 German-Icelander
- 17 German-Irish
- 11 German-Norwegian
- 14 German-Polish I German-Roumanian
- 1 German-Russian
- 3 German-Scotch
- 11 German-Scotch-Irish

- 10 Scotch-American
 - 6 Scotch-English
- I Scotch-German
- 17 Scotch-Irish
- 1 Scotch-Norwegian
- 2 Scotch-Swedish 3 Scotch-Welsh
- 10 Slavonian
- 114 Swedish

 - 11 Swedish-American
 - I Swedish-Danish
 - 1 Swedish-French-German
 - 1 Swedish-Irish
 - 1 Swiss-American
 - 8 Syrian
 - 1 Welsh-American
 - 1 Welsh-German
 - T Welsh-Swedish

The thousand children given the oral tests were selected from the same ages and grades as those used in the written work. but from ten other schools. No record was kept of their nationality.

6. Classification and Comparison.

The question we have asked ourselves is, to what extent do children give the same responses as adults. The most complete answer to this question consists in the complete adults' and children's frequency tables. So far as possible, however, it is desirable to summarize the points of agreement and disagreement. To do this, it is necessary to study the tables from various points of view and to classify the results in various ways. The data of the frequency tables thus worked over are presented in Chapters VI to VIII.

In Chapter VI, we have attempted a somewhat elaborate comparison of children's and adults' associations according to asso-Chapter VII gives a comparison of the three ciation type. most frequent responses of children and adults. In Chapter VIII, the children are compared with adults as regards the total number of responses and the number of individual responses.

The children's association frequency tables, which constitute our fundamental data, are given in Chapter IV, followed in Chapter V, by a study of the variation in the preferred reactions within the ages included in our study. In Chapter IX, we show that all the differences which we find to exist between children and adults hold whether we use the written or oral responses.

CHAPTER IV

CHILDREN'S FREQUENCY TABLES

The following tables show the frequency with which was given each of the responses to each of our 100 stimulus words. In the case of the first 9 stimulus words, for which responses were obtained orally as well as in writing, the frequencies for oral responses are given in parentheses. For all the other stimulus words, written responses alone were obtained. The total number of responses given for each stimulus word is one thousand, except in the case of the first 9 words, where it is two thousand, i.e., one thousand written, and one thousand oral responses.

For convenience in reference, we give a list of the stimulus words in alphabetical order. The order in which the list was read to the children is indicated by the numbers before the words, which correspond with the Kent-Rosanoff numbers, except in the 10 cases where we have substituted a new word in place of the Kent-Rosanoff word. Under the column headed 'Page' is given for each stimulus word the page on which may be found its frequency table.

STIMULUS WORDS

	PAGE	PAGE	PAGE	PAGE
100. Afraid	71	49. Eagle54	85. Lion66	18. Smooth43
38. Anger		44. Earth52	72. Long61	7. Soft38
00. III.BC.		8. Eating38	83. Loud65	46. Soldier53
90. Baby .	67			43. Sour52
63. Bath		56. Flag56	5. Man36	34. Spider48
29. Beautif		33. Foot48	61. Milk58	80. Square64
87. Bed .		76. Friend63	91. Moon68	51. Stem54
60. Bible		16. Fruit42	9. Mountain 39	50. Stomach54
11. Black		12. Fun41	3. Music35	32. Stork48
99. Blosson			•	71. Stove61
66. Blue .		45. Garden52	35. Needle49	96. Street69
57. Boy	56	73. Ghost62		21. Sweet44
55. Bread	56	40. Girl50	69. Ocean60	65. Swift59
81. Butter	65	94. Green68		
17. Butterf	Ly .42		68. Priest60	1. Table 34
		77. Hammer .63		84. Thief65
47. Cabbag		14. Hand41	93. Quiet68	78. Thirsty 64
19. Candy		48. Hard53		89. Tobacco67
39. Carpet		70. Head61	36. Red49	
20. Chair		88. Heavy67	27. River46	74. Whiskey 62
98. Cheese		41. High51	31. Rough47	22. Whistle44
75. Child		10. House40		28. White46
79. City .		67. Hungry . 60	95. Salt69	30. Window47
24. Cold .	45	· · · · · · · · · · · · · · · · · · ·	13. School41	26. Wish46
64. Cottage	59	86. Joy66	92. Scissors. 68	23. Woman44
_ .			62. Sheep58	42. Working .51
2. Dark		97. King70	15. Short42	
6. Deep		52. Lamp 55	4. Sickness 35	54. Yellow55
82. Doctor		59. Laugh 57	37. Sleep49	
53. Dream	5 5	58. Light57	25. Slow45	

THE FREQUENCY TABLES

1. TABLE

					1. 1.	- LUL	-			
1 0 1	(2)	able arithmetic ate	1 2 0	(0)	doily draw drawer	0	(1)	lunch magazine	0 0 0	(1) sixes (1) sofa-pillow (1) something
						1		map	0	(2) spelling
1	(0) (0)	banana bicycle	358 0	(331)	eat	2	(0)	marble	12 4	(4) spoon
2	(i)	big	28	(33)	eatables eating	2	88	massive meals	ĭ	(0) spoons (1) stable
0	(2)	board	4	(3)	eats	10	(0)	meat	ō	(1) stand
5	(0)		0	(1)	examples	1	(0)	men	0	(1) store
0 5 5 5		book books	3	(0)	f	0	$-\Omega$	multiply		(1)
ő		boys	ŏ	- 83	feet floor	0	(1)	multipli- cation	0	(1) study (1) studying
11	(3)	bread	0	(2)	flowers	0	(1)	my	ĭ	(0) stuff
8		breakfast	17	(15)	food				2	(1) sugar
2		broken butter	1 2	(0)	foot fork	0		napkins number	0 7	(1) sugar-bowl (4) supper
•	(0)	butter	4	(2)	forks	U	(1)	пишьег	,	(4) supper
1	(0)	cable	1	(0)	frame	0	(1)	off	10	(17) table-cloth
1		cake	0	(1)	furniture	1	(0)	orange	1	(0) tape
1		candy cards	0	(1)	got	2	(0)	oranges	0	(1) teacher (1) the
i	ίŏ	carpet	·	(1)	got	1	(0)	paper	2	(0) things
0	(1)	center-table	0	(1)		0	(3)	pen	0	(2) time-table
16	(30)	chair	2		high	1		pencil	1	(3) top
8	(18)	chairs children	0 4		home house	0		pencils people	2	(0) tumblers (0) turkey
ŏ		class		(12)	nouse	1	8	pie	í	(0) twelves
. 1	(0)	clock	0		ice-cream	9	(7)	plate	Ō	(1) twos
43 3	(30)	cloth	2 1		ink	12	(7)	plates		(0)
ő	- 83	coffee cold	1	(0)	18	1	(0)	porch potatoes	1	(0) upon (1) use
1	(0)	come	0	(1)	kitchen-	_		=	ŏ	(1) using
0		cook			table		(3)	read		
1 1		cooking cover	4 10		knife knives	0	(3)	reading room	0	(1) varnish
7	(5)	cup	10	(2)	Knives	6	(2)	round	ģ	(0) vegetable (1) vegetables
4	(2)	cups	1		lady					
			2	(1)	lamp	2	(0)	salt	1	(0) whittle
4 2	(8)	desk dining	4	(0)	lamps large	0		sat saucers	21 9	(26) wood (0) wooden
ō	(2)	dining-	8		leg	ŏ		school	0	(4) work
	-	room	70	(56)	legs	1	(0)	seat	0 3	(1) working
22 33	(28)	dinner	0		light	1		see	3 5	(44) write
126	diss	dish dishes	ŏ		lighting long	2 6	(2) (15)	set sit	1	(25) writing (0) written
	` -,		-	(-)	6	-	()		_	(5)
					2. D	AR				
49		afraid	1	(2)	dress	8	(3)	lantern lark	.1	(0) sad
1		alone ark	1		dungeon dusk	7	(8)	lark	18 0	(18) scared (1) scary
ŏ	(3)	asleep	•	(0)	uusa	38	(98)	late light lights	ŏ	(2) cohool
0	(2)	awful	1	(0)		2	(0)	lights	47	(21) see
1	(0)	bark	1 10		eraser evening	0	(1)	lonely	0	(1) searchlight
Ô		bats	10	(3)	evening	ĭ	- 253	look lost	6	(3) shades (0) shadow
28	(16)	bed	0	(1)	face				6	(0) shady
1	(1)	bed-time	1		fade	7	(0)	man	0	(1) shoe
0 80	(100)	bird black	0	(2)	fear fearful	1 2		marble mark	0	(1) shoes (1) sit
1	(4)	blackboard	3		fine	3	8	match	6	(0) sky
4	(3)	blue	0	(1)	fire	1	(0)	mean	6	(28) sleep
1		board	0	(1)	flowers	1	(0)	men	0	(3) sleeping
3		book brown	1	8	forest fright	1		midnight mice	0	(1) so (1) space
6	(0)	burglar	Ô	(4)	frightened	10	(ĕ)	moon	0	(1) space (1) spark
1		butter			-	0	(1)	mouse	3	(0) star
0	(2)	camp	3 0	(0)	gaslight	1	(0)	moving-	1 4	(0) stark
1		camp candle	ŏ	(1)	geography ghost	4	(0)	picture nice	21	(0) starlight (12) stars
1	(0)	can't	0	(4) (5)	ghosts	421	(410)	night	2	(0) startled
0	(1)	cave	5 0	(5)	gloomy	0 5	(2)	night-time	o o	(1) steps
1		cellar chair	0	(1) (3)	go goods	0		no light noises	2	(2) storm (0) stumble
Ž		closet	ĭ	(ĭí	green	i		not	ŏ	(1) sugar
				-						-

1 0 5 3 4 7 0 0 4 1 1 1 1 0 0 4 1 1 1 0 0 4 1	(1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	cloth clothes clouds cloudy cold color colors complexion corner cough curtain curtains dare darkness darkroom day death den die dismal	0 0 4 0 1 0 1 0 0 1 8 1 1 3 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(2) (1) (0) (1) (1) (2) (8) (0) (0) (4) (0) (10)	inside is	6 4 1 2 1 0 0 0 0 0 0 1 1 1 0 2 3 0 0 0 0 0	(9) (9) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	not light out outside pale paper park people pitch pleasure purple rain rainy red robber rooms	0 1 0 0 1 0 4 0 0 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(1) (2) (1) (0) (1) (0) (1) (3) (0) (1) (1) (1) (2)	supper table theirs too tree trees twilight unlight upset very walk was water weather white wood woods
					3. M						
1 6 1 0 0 0 1 1 1 5 5 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0	(0) (0) (4) (2) (2) (5) (0) (1) (16) (10) (11) (11) (11) (11) (11) (11) (11	angels band beat beating beating beating beating beauty book book book choir clarinet concert dance dance dancing dinner do drawing drum easy enjoy eraser excellent fiddle fine finger fun girl glad good	0 0 0 3 3 0 3 3 1 1 1 1 0 0 0 0 0 1 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	hard hardest harmony harp hate hear hearing here high history home Home weet Home hook I instrument joy keys learn learning lessons like line line line loud lovel lovely melody melt merry	0 198 1 1 0 81 2 1	(0) (5) (2) (66) (2) (10) (1) (1) (1) (1) (1) (1) (1) (1) (2) (2) (3) (3) (1) (1) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	paid paper pencil person phonograph piano piece pipe play played player playing playsed player practice pretty public read reading record rhythm roll	50 1 16 35 1	(236) (54) (1) (236) (1) (teach teacher ticket time tone train tune victrola violin voice we whine whistle
33	(0)	grand	1	(0)	much	1	(0)	room rosy	1	(2)	words work write
1 2		great happy	0	(i)	music-book musician	1 0	(0) (2)	sang scale	0	(3)	writing
					4. SIC	KNE	SS				
1 0 5 1 2 1 3	(1) (1) (0) (0) (0)	able absent ache all right alone are awful baby	1 4 4 0 2 1 3 0	(8) (0) (2) (1) (0) (0)	duty dying earache eating faint families family famine	1 0 1 3 0 1 6 0	(0) (1) (4) (2) (1) (0)	kink kitchen lady lay like lonesome man me	0 0 1 58 1 0 1 0	(0) (65) (1) (1) (2) (1) (0)	serious sets she sick sickly sipped sleep small-pox smother sore throat
24	(1/)	Nau	v	(1)		v	(1)	****	U	(3)	Pore minat

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(131) bed (0) bedside (0) bicycle (0) bicycle (0) bicycle (0) bicycle (0) bird (2) boy (1) brother (0) bum (1) careless (0) catch (1) chicken-pox (3) child (0) children (18) cold (0) consumption (1) croup (1) croup (1) croup (1) crying (2) cure (1) dangerous (0) dark (7) dead (44) death (14) die (0) diet (19) diphtheria (1) disagree- able (44) disease (116) doctor (1) doctors (1) dread (1) diread	0 3 3 0 1 1 1 0 0 3 2 6 1 1 1 0 0 0 3 3 6 1 9 5 5 1 1	(1) fearful (1) feeble (1) feel bad (0) feel bad (0) feet (0) felt (36) fever (0) fiet (36) fever (0) friend (1) germs (7) girl (1) good (0) grippe (1) hard (1) has (0) have (1) he (0) headway (1) health (0) healthy (0) hiccough (13) home (2) hope (2) hope (2) hope (1) hot (3) house (6) hurt (4) I (94) ill (6) illness (1) inthe	35 1 1 1 9 2 1 1 1 1 7 7 1 1 1 2 1 1 1 2 1 1 1 1 1	(40) measles (40) medicine (40) medicine (0) miserable (0) money (0) mother (0) moyel (3) mumps (0) night (0) not healthy (2) not well (3) nurse (0) pain (1) paint (2) pale (1) pall (1) pall (1) pall (2) people (4) person (0) pils (0) play (1) pneumonia (2) poor (1) poorly (1) quarantine (1) quiet (5) sad (4) sadness (1) scared (36) scarlet- fever (4) school	16 13 00 0 0 2 0 12 2 0 20 20 28 0 1	(0) sorry (0) spoon (0) stomach- trouble (1) suffer (0) suffering (1) summer- time (2) terrible (0) throat (1) tired (0) too bad (4) trouble (1) tuberculosis (3) typhoid- fever (1) unhealthful (4) unhealthy (2) very (1) wan (1) was (0) water (1) wa (2) weather (26) well (26) well (10) white (11) whooping- (20) cough (21) woman (32)
0 2 0	(4) dreary (0) drug (1) dull	0 1	(1) itches (0) kill	1	(0) school- ma'am (0) see	3	(2) you
			5. 1	MAN			
3 0 1 1 1 3 0 1 0 1 0 0 0 1 0 0 0 1 0 0 5 7 3 0 0 5 5 1 0 0 0 2 8 0 7 5 0 0 1 0	(3) adult (1) age (0) agent (1) all (0) American (1) an (0) animal (1) appearance (0) arm (1) auto (4) bad (1) bald (0) bather (2) beg (1) beggar (1) being (1) best (26) big (3) body (1) book-binder (29) boy (1) boys (3) brave (1) bravery (1) burglar (9) business (1) can (2) cap (2) cap (2) cappenter (0) chap (1) child	300210 044002880154 51310288790131012	(2) fellow (1) flesh (1) food (0) foot (0) football (2) form (1) garden (0) gentle (10) gentleman (2) girl (2) goes (0) going (7) good (2) great (2) grown (3) grown (10) grown-up (4) hair (3) hand (0) happy (1) hard (1) hard work (82) hat (22) he (4) head (1) height (0) helper (2) here (1) hidden (0) high (0) hire	10 68 84 30 31 19 00 00 50 11 34 41 11 02 31 57 00 00	(0) loud (1) lumber (2) mad (4) male (6) mamma (2) manhood (5) married (0) marry (11) mean (19) men (1) mister (1) mr. Smith (0) money (1) muscles (0) my (5) necktie (1) negro (2) nice (4) office (9) old (0) one (0) out (1) overalls (0) pan (0) pan (6) pants (0) papa (1) parents (1) pay	0 0 1 1 1 0 0 5 0 4 1 1 0 0 0 0 5 1 1 1 1 2 1 0 0 0 1 1 1 5 1 1 5 0 0 0 2 1	(1) size (1) skillful (0) skiln (0) skin (0) slid (2) small (0) smoke (2) smoke (2) smoke (3) smoking (0) snowman (1) soldier (1) son (1) spade (1) store (0) strong (2) street (0) strength (23) strong (2) street (0) strong (2) suit (5) talk (42) tall (0) tan (3) teacher (2) the (0) there (0) there (0) thirty (0) tie (0) took (4) trousers (1) true (1) ugly (0) uncle (0) up

0	(1) city	3	(4)	home	8	(8)	people			
2	(0) cloak	0	(1)	homely	1	(0)	pen	.0	(1)	waiter walk
40	(0) cloth	0	(2)	horse	45	(38)	person	17	(27)	walk
40 5	(42) clothes (2) clothing	2 6		house human	1	SX	plan play	3 5	(0) (9)	walked
15	(28) coat	ő		human-	ô	- 283	plow	3	(6)	walking walks
ĩ	(0) cold	٠	(0)	being	ŏ	àií	pocket	3	(ž)	watch
4	(0) cold (2) collar	0	(1)	hurt	0	(1)	pocket policeman poor	1	(0)	went
1	(0) creature	7	(6)	husband	4	(2)	poor	0	(2)	whiskers
_	(1) 1.11			-	1	(0)	potatoes	2	(0) (1) (1)	white
0	(1) daddy (0) dark	0 1	(1)	I.	0	(3)	principal	Ō	- (1)	wife
ō	(1) dead	1	(0)	111	3	(2)	ran	0 8	(46)	wins woman
ŏ	(1) desk	2	(1)	janitor	11	79.	rich	ő	(40) (17) (153)	women
0	(1) doctor	_	(-)	,	2	(2)	robber	168	(153)	work
0	(1) dog	0	(1)	kind	2		run	168 2	(0)	worked
1	(1) dress	1	(0)	knitting				3	(0) (2) (23)	worker
1	(0) drunk		(10)		1	(0)	saloon saw	11	(23)	working
0	(1) dust	17 3	(18)	lady lame	1	(3)	saw school	0	(1)	working- man
0	(1) eat	ŏ	(i)	language	ô	(1)	see	0	(1)	workman
ŏ	(1) Ed	5	(4)	large	ĭ	čôś	sew	14	(1) (9)	works
0	(6) eyes	5 2	(2)	leg	0	(5)	shirt	Ō	(1)	write
1	(0) excuse	1	(2)	legs	8	(6)	shoes			
	(4)	1	(0)	light likes	1	(0)	shoot	1	(0)	yes
14	(4) face	3	(8)	likes	0	(1)	shooting	õ	(1) (2)	you
ő	(1) family (1) fat	1 3 2 0	- 283	little live	2	(1)	shop shovel	5 1	$\begin{pmatrix} 2 \\ 0 \end{pmatrix}$	young your
30	(19) father	2		living	ŏ	(i)	show	i	(1)	youth
ŏ	(2) feet	õ	čií	long pants	7	(1)	sick	•	(-)	Journ
	• ,		,			·-/				
				6. D	EEF	•				
1	(0) a	1	(2)	drowning	0		loddon		(0)	3-
	(2) afraid	2	(4)	dug	9	757	ladder lake	1	(0)	seeds serious
5 1 2	(0) are	õ	(i)	dungeon	ó	(1)	land	ō	(3)	sewer
2	(1) awful	-			0 7	(6)	large	ő.	(16)	shallow
0	(1) angle-worm	0	(1)	earth erase	1	(0)	leap length	1	(3)	shovel
	(0) 1 11	0	(1)	erase	1	(0)	length	0	(1)	ship
1	(0) ball (0) barn	17	(15)	£_11	1 2 1 1	(0)	like	8	(1)	sink
5 1	(0) barn (0) barrel	3	(15)	fall in	1	\\\\\	limp lion	9	(1) (0)	sky sled
i	(0) beautiful	ŏ	čĭ	fall in falling	12	(14)	long	1 3	(2)	sleep
9	(5) big	25	(41)	far	2	(14) (1) (0)	lost	ŏ	(1)	snakes
0	(1) billow	0	(1)	fearful	4	(0)	love	10	(1)	snow
8 0 4 0	(6) black	1	(1)	feet	35	(52)	low	1	(0)	so
ų,	(4) blue (0) bottom	5 1	(0)	fell	1	(0)		0	(1)	soft
7	(1) bottomless	2	(0) (1)	fire fish	1	(0)	man mat	0 1	(1)	soil some
ŏ	(3) breath	ĩ	ìôí	fishing	ī	783	mine	ō	(0) (1)	sore
Õ	(I) breathing	ō	(3)	forest	õ	čĭí	moderate	Λ	(i)	sorrow
Ť	(0) bridge	0	(1)	frightened	0	(3)	mud	7 2	(2)	steep
1	(0) bury				0	(1)	my		(0)	stream
1	(0)14	0	(1)	gone	0	(1)		6	(3)	swim
ō	(0) can't (1) cave	ō	(0) (1)	good grass	1	(3)	narrow nice	0	(1)	4-11-
5	(3) cellar	2	à	grave	•	(0)	HICE	ĭ	763	table
5 1 0	(0) cloud	3	(ō)	groan	15	(14)	ocean	ô	číš	thick thin
0	(1) cold	21	(23)	grave groan ground	0	(1)	outside	Ō	(ī)	think
0	(1) color	0	(1)	grown			_	1	(3)	thought
3 1	(1) cover	•	/11		1	(0)	peak	2	(0)	through
ò	(0) creek	3 1	(0)	hard haunt	0		peep	0	(1)	3
ĭ	(2) creep (3) cup	î	797	heap	0	(6)	pit nlav	U	(1)	under-
î	(3) cup (1) cut	1	(0) (1)	heart	4	(i) (0)	pond	0	(1)	ground under-
	(-) 0	3	(0)	heavy		(-)		•	(-)	standing
0	(1) dangerous	3	(0)	height	1	(0)		0	(1)	up
12	(33) dark	4	(19)	high	1	(0)	reap	_		_
0	(1) darkness (5) depth	0 257	(1) (244)	hill	0	(2)	red	1		vase
12	(5) depth (5) dig	237	(0)	holes	36	(30)	river rocks	4	(0)	very voice
12 0	(1) digging	8	(5)	hollow	2	63	room	3	(0)	voice
4	(5) dirt	•			3	₹65	round	145	(162)	water
1 7	(0) dish	1	(0)	in	1	(0)	round run	1	(1)	way
7	(4) ditch	1		inside				87	(76)	well
0	(2) dive	3 2	(0)	is it	1 3	(0)	salt	õ	(2) (0) (0)	wet
47 0	(43) down (1) dreary	4	(3)	IL	1		sand saw	5 1	(0)	wide
ğ	(1) dreary (8) drown	1	(1)	jump	2	(0)	saw scared	11	(6)	woods woods
4	(2) drowned	-	(-)	JP	14		sea	Ô	(2)	work
								-	\- /	

7. SOFT

					7. 5	01.1					
6	(5)	apple	1	(2)	feathery	3	(1)	linen	3	(2)	seat
5	(3)	apples	3 0	(2)	felt	8	(0)	little	3	(0)	shirt
_			0	(1)	filling	4		loft	6 2 0 2 4	(2)	silk
5	(6)	ball	3 1	(1)	fine	1	(0)	looked	2	(6)	sing
1	(1)	banana	ō	(0)	fingers	1	(0)	looking	ŭ	(2)	singing
0	(1)	bananas	Ň	$\binom{1}{(2)}$	floor flour	0	(4)	loud	2	(6) (4)	sink
ō	(1)	bathe batting	Ę	(10)	fluffy	4	(17)	lounge	3	(i)	sit skin
ĭ		be	0 5 1	(0)		•	(1/)	IOW	3	- >=<	sleep
î	(0)		î		fresh	0	(2)	marsh	ŏ	(5) (2)	sleeping
57	(62)	bed	ō		fruit	ŏ		mattress	ŏ	(ĩ)	slippers
0	(1)	bench	20	(125	fruit fur	4		meat	ĭ	(ō)	slippery
0	(1)	big	1	(0)	furs	2		mellow	22	(19)	smooth
1	(0)	billow				1	(1)	melt	20	(6)	snow
. 1	(0)	bind	1	(0)	girl	0	(2)	moist moss	0	(1)	soap
10	(1)	blanket	2 7	(3) (5)	glossy	4	(7)	moss	7	(3)	sofa
1 1	(0)	blow	ó	(3)	good	21 21	(0)	mosses	i	(0)	softer
45	(0) (50)	book bread	Š	(1)	goods grass	7		mud muddy	1 3	(0)	softly softness
6		butter	5		grease	4	- 233	mush	ĭ	(6)	softy
•	(-)	butter	0	(2)	green	19	(12)	mushy	õ	(ĭ)	soggy
9	(8)	cake	9	ζōί	ground	ő	(12)	music		(ō)	soup
5	(4)	candy	0	(5)	ground grounds	Ŏ	(3)	mussy	1 2 5	(1)	sow
1	(0)	cap	0		gum				5	(0)	sponge
4	(0)	carpet	_			. 3	(0)	nest	1	(10)	spongy
7	(5)	cat	Ō	(5)	hair	46		nice	0	(1)	spot
4 7 1 3 0	(8)	catch	1		hand	ő		noise	0	(1)	spring
ຸ	(1)	chair chalk	6		hands	0	(1)	not	0	(1)	squash
ň	(1)	chicken	U	(1)	handker- chief	1	(0)		ő	(1) (3)	squeeze
ĭ	(0)	chunk	27	(63)	hard	ō	(0) (2)	ocean oft	1	(0)	sticky
2	(0)	clay	0	(1)	hat	ŏ	(1)	often	ô	ä	strong sugar
1	(0)	clear	4	(ī)		ĭ		oily	ĭ		sunk
13	(22)	cloth	0	(1)	hazy	ī	(ŏ)	on toe	3	₹05	swamp
0	(3)		1	(0)		0	(2)	orange	1		sweet
0	(1)	coal	0	(1)	head			ŭ	1	(0)	swing
3		coat	1		hear	0	(1)	pancake			•
1		coats	1	(0)	heat	9	(2)	paper	1		taste
1		cold	1	(<u>i</u>)	heavy	0	(1)	pencil	3	(3)	tender
4 0	(12)	comfortable	0	(1)	high	0	(1)	person	0 7		that
57	(25)	cooky cotton	ŏ	(1)	home house	3	(1)	pie	1		thin
6	(11)	couch	U	(1)	nouse	138	(122)	pieces pillow	ō	(0)	thing
2	707	cover	1	(0)	ice	130	(122)	pincushion	ŏ		tip-toe too
11	(4)	cozy	9	(25	ice-cream	ŏ	à	play	ŏ		touch
Ō	(1)	cream	2	(ō)	is	ĭ	čií	potato	ĭ		touchy
1		crimson	3	(1)		2		potatoes		(*)	touchy
39		cushion				1	(0)	press	0	(1)	us
_			0	(1) (2)	įelly	6	(4)	pretty			
2	(3)		5	(2)	juicy jump	2	(0)	puppy	4		velvet
0	(1)	down	0	(1)	jump	0	(1)	push	4	(5)	very
2	(5)	downy				0	(1)	pussy-			
6 1		dress	0 1	- 532	kind			willow	ò	(1)	walk
3		drink drinks		(2)	kitten	2	(0)	quicksand	é	- 523	warm
ĭ	707	dry	0	(1)	lacy	3	223	quiet	2	753	water well
-	(0)	423	š	(4)	lav		(,,	quice	2	(ĭ)	wet
3	(5)	earth	í	(6)	lav on	0	(1)	rain	5 2 2 7 2	(2)	white
15	(28)	easy	1	(0)	leaf	ŏ	(1)	rest	2	(1)	wood
1	(0)	egg	0	(1)	leather	Ō	(1)	rough	9	(6)	wool
2	(2)	eraser	3		leaves	0	(2)	round	4	(0)	woolly
_			0	(1)	lesson	0	(1)	rub	0	(1)	work
1	(0)	fainting	1	(0)	let	_		_			
ō	(2)		18	(32)	light	5		sand	1	(0)	you
5 15	(3)	feather	1	(2)	lightly	0	(1)	school			
13	(12)	feathers	0	(1)	lightning	2	(0)	sea			
					8. EA	TIN	G				
1	(2)	annetite	2	(1)	enough	0	(2)	luncheon	0	(1)	F81108
21	- 251	appetite apple	ő	- 237	enough everybody	U	(2)	iuncheon	1	- 133	sauce sheath
21	77	apple	U	(2)	everybody	1	(0)	man	4		sick
1	(6)	are	3	(2)	fast	å	787	meal	2	(6)	slow
20	(13)		3	(2)	fat	2		meals	ĩ	(0)	Snow
			Ó	(2)	fill	42	(40)	meat	0	(2)	something
3	(0)	baby	0		filled up	0		meeting	5	(2)	soup
								-			-

05 01 32 0178 10 2 18 16 2 10 7 3 12	(6) (3) (0) (2) (1) (152) (20) (3) (9) (4) (0) (8) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	baker banana bananas beans beating bite biting bread bread breakfast butter cake candy chair cheese cheew chewing chicken clean coffee	0 2 5 4 1 1 1 1 4 4 5 1 3 9 3 2 2 1 3 1 2 1	(1) (103) (15) (0) (0) (4) (5) (3) (0) (47) (0) (1) (0) (2)	finish fish food footk forks foresh fruit full girl girl good goodies grapes he healthy heart hearty help	1 1 5 0 0 4 0 3 2 0 0 1 2 4 0	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	melon mice milk mother mouse mouth musk- melon napkin nice noon noon-time not catmeal orange oranges peanuts people	6 0 0 1 3 2 5 0 3 1 2 9 5 1 0 1 0 8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(18) spoon (1) starving (1) steak (1) stealing (1) stomach (0) store (0) store (1) strong (2) sugar (0) sut (30) supper (6) swallow (0) sweet (1) swell (113) table (0) take (0) take (0) taste (0) taste (1) steating
1 4 0 1 3	(2) (1) (0) (0)	delicious	0 6 0 8 43	(8) (3) (3) (37)	high home house hot hungry	0 2 1 3 3 0	(2) (0) (8) (0) (7) (0) (1)	person pickles pie pies plate plates play	3 6 1 1 1 0	(2) tasting (0) teeth (0) Thanks- giving (0) there (0) thing (0) things (1) through
0 0 42 1 3 1	(1) (44) (5) (9) (1)	digest dining dinner dish dishes done don't drink	2 13 0 1 2 8 0	(1) (0) (0) (8)	ice-cream is	0 3 25 1 2 1	(0) (23) (0) (0) (0)	polite potato potatoes prayer pudding pumpkin	0 1 6 0 0	(1) tomatoes (0) too much (0) turkey (9) vegetables (4) victuals (0) waffles
6 2 1 51 3 1	(6) (0) (58) (2) (0)	drinking drinks	1 0 2 1 0 4	(0) (2) (2) (2) (1)	let's like live lots lumber lunch	1 1 0 1 1	(0) (0) (1)	rabbit raisins rice room salt salting	6 1 0 0 0	(0) warm (0) was (1) washing (1) water (2) we
					9. MOU	JNTA	IN			
0 0 11 17 13 10 0 1 1 10 0 0 1 1 2 18 13 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	(3) (0) (3) (26) (10) (10) (22) (11) (11) (11) (7) (12) (12) (12) (13) (14) (15) (15) (12) (13) (14) (15) (15) (15) (15) (15) (15) (15) (15	Alaska Alps bad bear beautiful big black Blue Mts. bowlder breaks brick burrow cabin California Canada cattle cave caves cement cliff climbing	1000 11182 2410 033 1500 221 1153 3900 1114 9110 000 000	(1) (1) (1) (2) (3) (4) (4) (4) (4) (12) (12) (13) (14) (12) (13) (14) (12) (13) (14) (12) (13) (14) (14) (15) (16) (16) (17) (17) (17) (17) (17) (17) (17) (17	fell flowers forest forest fountain frosted frozen fun geography glazier go granite grass ground hard height high er highest highland	20 1133100000100000000000000000000000000	(2) (1) (0) (0) (0) (0) (1) (1) (1) (1) (2) (3) (3) (3) (1) (1) (2) (4) (2) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Osakis outside peak peaks Pike's Peak place plain plateaus rain range	0 3 3 2 2 2 1 1 0 0 1 3 3 3 3 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(0) silver (0) skis (0) sledding (0) slide (0) slide (1) smoke (43) snow (6) snowy (1) soft (9) springs (3) squirrel (24) steep (9) stone (5) stones (1) summit (3) Switzer- land (2) tall (1) ten (1) the (1) there (1) things (5) top (2) train (2) travel (1) traveling (3) trees (0) trolley-car

Λ	(1) Denver	1	(0)	in	10	(15) rocky	3	(8)	valley
4	(3) dirt	î	(0) (0)	in is	ŏ	(1) roof	10	(14)	volcano
0	(1) donkey				0	(1) rope			
		0	(1)	Keegan's	0	(1) rough	0	(1)	walk
4	(0) eagle			Lake	1	(0) run	1	(0)	was
0	(1) eagles	0	(1)	killing			0	(1)	Washing-
0	(2) earth			_	0	(1) sand			ton
1	(0) even	1	(2)	lake	1	(0) scene	0	(4)	water
		3	(1)	land	1	(0) scenery	1	(0)	west
4	(0) fall	2	(7)	large	0	(1) school	2	(4)	woods
1	(0) fallen	3	(0)	lava	0	(1) see	1	(0)	work
1	(0) farther	1	(0)	light	1	(0) she			

10. HOUSE

	10. HOUSE									
3	baby	3	covering	2	in	4	our	1	stay	
12	barn	1	cozy	1	indoors	1	outdoors		step	
3	beautiful	1	cup	6	inside	1	over		steps	
7	bed		=	1	is			6	stone	
_ 1	bell		dirty				paint	8	stove	
51	big		door	3	kitchen	2	painted	1	swim	
2	black	5					parlor			
3	board	1	dwelling		lady		people		table	
1	boards			10	large		piano	1	top	
8	brick		family		leaving	3	picture		trees	
2	bricks	4		1	light	1	place	1	two	
2	build	2	fire	1	little	1	plant	_		
16	building	1	fog		live		plastering	2	village	
		- 1	funny		lived	2	play			
	cabin	23	furniture		living	6	porch		wall-paper	
1	camp				lives	4	pretty		ward	
2	carpet	2	glass	1	look	_	_		warm .	
1	carpenter	1	going	8	lumber		red		warmth	
ī	carpets	3	good			1	restore	3	white	
	cellar	2	grandmother	1		1	right	1	wide	
	chair	i	green	2	man		rods	11		
4	chairs	- ;	gray	1	material		roof	12		
26	children	4	ground	1	men's		room		wood	
25	chimney		1	ï.	mice	24	rooms	1		
2	clean	Ţ	heat	- 4	mother	_	. 1 1	5	work	
1	clock		heavy	4	mouse	- 2	school	•		
1	close		high	4	move		schoolhouse		yard	
4	coal cold	1	hill hollow	1	my		shelter	T	yellow	
4		39		•		2	shingles			
4	color				neat		sleep			
1	cooking	2	hot	9	nice		small			
	cottage couch	5 3	houses hut	1	night		smoke			
1	couch	ა	nut	1	no	1	stairs			

11. BLACK

	11. BLACK									
1	afraid		crane crayons		hair hands	5	mud		sky smoke	
1	back		crepe	6	hat	1	nap	1	soil	
1	ball			1	hatbox	1	negro	3	soot	
Ţ	beard		dark	2	heavy	1	nice	1	sorrow	
	blackboard	7	darkness	6	hole	15	night	1	south	
6	blue	3	danger	4	horse			8	stove	
43	board	1	dangerous	4	house	1	orange	1	stoves	
1	boards	1	dead					1	suit	
1	book	5	dirt	2	I	32	paint			
3	pox			30	ink	1	painted	1	thread	
1	burnt		dog	1	inquire	3	pants			
			drab		iron	1	paper	2	veil	
7	cat	63	dress	2	is	7	pen	3	very	
4	chalk					13	pencil			
4	charcoal	1	face	1	jacket			3	waist	
4	chimney	5	feathers		-	1	racer	2	wear	
2	clock	1	flat	1	kitten	1	rain	1	were	
2	closed	3	floor			3	red	27	white	
9	cloth	1	funny	3	lead pencil	11	ribbon	3	woods	
5	clothes			1	lever			1	wool	
8	coal	1	globe			1	sheep	1	write	
10	coat	3	gloomy	1	mack	1	shine			
1	coke	5	goods	1	men	1	shirt	3	yarn	
104	color	1	green	1	moon	1	shoe		-	
1	colors	1	gray	1	mourn	9	shoes			
4	coon			3	mourning	9	skirt			

12. FUN

		12. FUN		
2 bad	1 down	1 ground	3 lunch	1 sew
35 bali	1 drowned	4 gun		2 shovel
7 baseball 5 basketball	2 eat	1 had	6 marbles 2 money	2 show 4 skate
1 box	5 eating	16 happy	1 much	1 skates
4 boy	1 enjoy	4 happiness		11 skating
10 boys	2 enjoying	17 have	8 nice	3 sled
2 build 1 bun	2 fall	11 hide & seek 4 hockey	2 noise	2 slide 5 snow
1 butter	2 fell	2 hop	2 outdoors	6 snowball
_	3 fight	3 hurt	1 outside	6 snowballs
1 can	1 finger	1 I	704 mla	2 snowfight
1 cap 4 cheery	9 fishing 1 food	1 I 1 it	394 play 34 playing	4 sport 7 swimming
2 child	15 football		4 pleasure	
13 children	3 frolic	3 jokes		22 tag
1 clock 1 cookie	3 full 5 funny	1 joking 6 jolly	3 race 2 ran	2 time 2 toy
I COURTE	3 Iumny	29 joy	1 rat	1 toys
3 dark	12 game	6 jump	2 read	,-
1 delight	38 games		3 recess	1 very
2 delightful 4 digging	1 gay 1 girl	18 laugh 2 laughed	3 rope 46 run	2 walk
4 digging 2 dirt	1 girl 2 girls	3 laughing	1 running	1 water
1 doll	4 glad	1 light	_	1 well
9 dolls	9 good	5 like	4 school	1 window
3 doors	4 goodtime	5 lots	1 see	
		12 504001		
		13. SCHOOL	1	
39 arithmetic	31 desk	18 late	18 reading	38 study
11.3	20 desks	93 learn	1 reads	0.4.1
l bad 2 bell	6 door	5 learning 2 lesson	13 recess 1 rest	2 tardy 9 teach
14 blackboard	1 education	14 lessons	1 roof	44 teacher
24 book	5 eraser	1 like	16 room	6 teaching
81 books		•	4 rooms	1 telephone
3 boy 14 boys	1 fool 3 fun	1 map 3 mates	2 ruler 1 run	1 theirs 1 think
1 brick	5 144	3 morning	1 Iuu	8 time
6 building	6 girls	6 music	6 scholar	1 trees
	29 go	5 paper	7 schoolmate	2 Tuttle
1 ceiling 1 chair	7 going 3 grounds	5 paper 17 pencil	1 schoolroom 10 seat	1 wait
5 chalk	o grounds	1 pens	3 seats	3 went
101 children	1 happy	1 people	3 Sheridan	1 whole
2 classes	2 Holmes	7 play 4 playmate	1 smart	1 word
3 clock 1 crayon	1 home 2 hours	4 playmate 1 pool	17 spelling 3 spool	68 work 2 working
1 Clayon	14 house	6 pupil	1 starts	15 write
2 day			1 steps	24 writing
5 days	3 language	28 read	2 studies	2
				3 yard
		14. HAND		
44 arm	14 dirty	3 have	6 nail	1 scratch
l ax	1 doing 2 draw	1 head 1 heart	3 nails 1 nice	1 sweat
3 band	2 draw 1 dress	l help	1 mice	1 take
2 beckon	. arcos	3 her	1 o'clock	3 take hold
12 big	5 eat	1 his	1 one	1 them
2 black 2 blisters	4 eating 3 elbow	17 hold 1 hook	1 pain	1 there 5 throw
2 blisters 4 body	3 elbow 1 every	3 hurt	l pain l paint	5 throw 3 touch
4 bone	1 eyes	3 hurts	6 palm	3 two
5 bones		_	1 pen	
1 book	1 face 1 fast	1 iron	7 pencil 1 penny	33 use
1 breakfast 6 broad	1 fast 2 fat	1 kind	1 penny 1 pick	1 used 12 useful
3 broke	2 feel	1 kiss	1 picture	1 using
3 broken	1 felt	1 knife	1 piece	
3 brown	69 finger	1 lam 3	1 pores 7 pretty	7 veins
1 busy 1 button	5 fingernail 3 fingernails	1 land 2 large	7 pretty 1 pulling	1 was
1 by	130 fingers	6 left	. bannig	5 was
,	1 first	2 leg	3 raise	1 watch

65 1 7 1 1 3	carry catch chapped clean clock cloth cold comfort command cook crawl cut	4 1 4 1 1 1 1	girl gloves go goes handed	3 1 1 5 4 7 2 2 2	lift little long man meat mitten move moving muscle music my	18 11 7 1 1 6 16 11 11	reach right ring rough sand sew shake skin skirt small soft sore	1 113 6 4 52 1 9 2	white wood work worked works wrist write writes writing wrote your
				1	5. SHO	RT			
1 12 1 1 1 8 5 5 5 1 2 0 0 1 1 1 1 1 1 1 1 1 1 8 1 3 8 1 3 8	are around baby bad ban ban big block board boy brief broad broke cake chalk child close clothes court cut Dan day descent distance dog dress	111 213 113 115 33 111 11 14 22 88 51 11 13 3 44 11 11	he hook hours house inch inches is Japanese jiffy ladder ladies lads	55 433 65 11 157 157 143 11 11 11 11 11 11 11 11 11 11	letters life line life line life lock long lort low man men mice minute mouse my name narrow neck nice night not papa pants paper	4 4 1 1 1 1 2 2 3 3 1 6 6 1 1 1 7 7 7 2 1 4 4 1 1 1 1 4 4 1 1 5 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	story stout strap	15	tubby very waist walk was way wide winter woman women
1	easy	23	lady		pencil 6. FRU		string		
								_	_
174 52	apple apples banana bananas belong berries big bread butt	153 2 25 1 1	eat eatable eating eatness eggs	1 1 2 1 1 7		45 8 14 9 7 4	orange oranges peach peaches pear pears plums quiet	2 3 20 1 1 1 7	seeds spoiled strawberries sweet taste there thing tree trees
1	cake California can carrots cone delicacy	89 1 3 29 3	garden good goodies grape grapes green grows	2 2 1 1 12	like look love mute nectar nice	2 2 2 1	red ripe rotten salad sauce sauces	3	vegetables vegetables yesterday
				17. J	BUTTE	RFLY			
18 2 2	air animal ant beast beating	5 8 3 2	capture catch caterpillar caught chase cocoon	4 41 19	field flew flies flower flowers fly	5	insects it little look	3 1 1 3	saw seen setting seven silk small

17 beautiful	3 color	1 flyer	1 moth	5 soft
		10 4	1 mom	
6 beauty	3 colored	18 flying	0 . 4	1 soul
4 bee	1 colors	4 1	2 net	3 spring
9 big	16 creature	4 garden	7 nice	16 summer
57 bird	4 1 1 1	3 golden	4	1 sunbeam
1 bread	1 dandelion	1 green	1 picture	1 sunshine
1 bring	1 dark		4 play	
6 brown	1 dragon	1 head	1 pet	1 web
14 bug		1 high	4 powder	13 white
5 bugs	1 eat	5 honey	89 pretty	23 wing
54 butter	1 eats	1 hurt		114 wings
			7 red	6 worm
1 cage	1 fast	66 insect	1 rich	
				47 yellow
		18. SMOOTH	,	
		10. SMOOTH	•	
1 ain't	33 desk	39 ice	3 nicture	1 smoothed
4 apple	4 dress	1 in	3 picture 2 pillow	3 smoother
4 appic	7 41633	1 iron		1 smoother
4 h.a	4 easy	4 iron		
6 bed		4 ironed	4 plane	6 snow 132 soft
1 bench 15 blackboard	1 egg	4 it	1 play	
	3 eraser	1 1-1	1 potatoes	1 soothe 2 stone
43 board	70 even	1 lake	1 pretty	
1 book		2 land	A 11.	39 straight
1 box	3 face	4 leather	2 quilts	
1 bright	3 feathers	55 level		16 table
1 butter	3 feels	1 leveled	1 right	3 tablecloth
_	2 fine	3 light	3 road	1 talk
3 candy	29 flat	2 line	10 rock	1 tender
4 carpet	20 floor	1 lumps	35 rough	1 thin
4 cat	1 flowers		4 round	1 tone
4 chair	11 fur	1 mind	1 rugged	
1 clean		1 mold		1 use
1 clear	48 glass	3 molded	1 sand	1 useful
25 cloth	2 glossy		1 salt	
1 clothes	3 good	2 neat	1 shining	2 varnish
1 coat	2 grease	68 nice	7 shiny	8 velvet
1 color	13 ground	1 no	1 sight	3 very
4 cotton	8	- 135	5 silk	0 1013
2 cozy	4 hair	33 paper	1 silky	5 wall
1 crooked	3 hand	5 pavement	4 slick	5 water
	7 hands	5 pencil	2 slide	4 window
2 cup	10 hard	5 penen	19 slippery	5 wood
	10 Haru		17 suppery	3 wood
		19. CANDY		
2 ate	3 coughdrops	2 goods	4 marshmallov	
	2 cream	2 goody	5 money	
2 bad		2 grocers		9 sticky
2 bought	2 dandy	14 gum	7 nice	15 store
12 box	2 dirty		7 nickel	14 suck
1 boy	1 dog	2 had	2 nut	39 sugar
1 bring		11 hard	2 nuts	297 sweet
3 brown	181 eat	2 hate		1 sweetmeats
2 burn	3 eatables	5 have	1 pastry 15 peanut	13 sweets
7 buy	1 eaten	2 honey	15 peanut	
	13 eating		4 penny	3 teeth
	2 eats	3 ice cream	8 peppermint	2 treat
2 candy-man				
2 candy-man 3 caramels			2 person	
	1 fruit	2 lemon	2 person 3 pink	1 wax
3 caramels 1 cat	1 fruit	2 lemon 4 licorice	2 person	1 wax 3 white
3 caramels 1 cat 25 chocolate	1 fruit	2 lemon 4 licorice 18 like	2 person 3 pink	
3 caramels 1 cat 25 chocolate 5 chocolates	1 fruit 7 fudge	4 licorice 18 like	2 person 3 pink 2 please	3 white
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery	1 fruit 7 fudge 1 gone	4 licorice	2 person 3 pink	
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery 1 cookies	1 fruit 7 fudge 1 gone 149 good	4 licorice 18 like	2 person 3 pink 2 please 2 rich	3 white
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery	1 fruit 7 fudge 1 gone	4 licorice 18 like 3 love	2 person 3 pink 2 please 2 rich	3 white
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery 1 cookies	1 fruit 7 fudge 1 gone 149 good	4 licorice 18 like 3 love 8 make	2 person 3 pink 2 please 2 rich	3 white
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery 1 cookies	1 fruit 7 fudge 1 gone 149 good	4 licorice 18 like 3 love	2 person 3 pink 2 please 2 rich	3 white
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery 1 cookies 2 cooks	1 fruit 7 fudge 1 gone 149 good 3 goodies	4 licorice 18 like 3 love 8 make 20. CHAIR	2 person 3 pink 2 please 2 rich 1 round	3 white 1 yellow
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks	1 fruit 7 fudge 1 gone 149 good	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have	2 person 3 pink 2 please 2 rich	3 white 1 yellow 17 sitting
3 caramels 1 cat 25 chocolate 5 chocolates 1 confectionery 1 cookies 2 cooks	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy	2 person 3 pink 2 please 2 rich 1 round	3 white 1 yellow 17 sitting 4 small
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high	2 person 3 pink 2 please 2 rich 1 round	3 white 1 yellow 17 sitting 4 small 6 soft
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk 1 doll's	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back 1 bare	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high 10 house	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on 1 pair	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand 8 stool
3 caramels 1 cat 25 chocolate 5 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back 1 bare 1 bear	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk 1 doll's 1 down	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high 10 house 1 I	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand 8 stool 5 straight
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back 1 bare 1 bear 1 bear 2 bed	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk 1 doll's 1 down 2 eat	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high 10 house	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on 1 pair 1 piece	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand 8 stool 5 straight 3 strong
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back 1 bare 1 bear 1 bear 2 bed	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk 1 doll's 1 down 2 eat 1 eating	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high 10 house 1 I 1 iron	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on 1 pair 1 piece 5 rest	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand 8 stool 5 straight
3 caramels 1 cat 25 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back 1 bare 1 bear 1 bear 2 bed 14 big 6 board	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk 1 doll's 1 down 2 eat	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high 10 house 1 I	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on 1 pair 1 piece 5 rest 3 rock	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand 8 stool 5 straight 3 strong 1 supper
3 caramels 1 cat 25 chocolate 5 chocolate 5 chocolate 1 confectionery 1 cookies 2 cooks 21 arm 6 arms 17 back 1 bare 1 bear	1 fruit 7 fudge 1 gone 149 good 3 goodies 1 crooked 5 desk 1 doll's 1 down 2 eat 1 eating	4 licorice 18 like 3 love 8 make 20. CHAIR 2 have 8 heavy 9 high 10 house 1 I 1 iron	2 person 3 pink 2 please 2 rich 1 round 6 nice 1 on 1 pair 1 piece 5 rest	3 white 1 yellow 17 sitting 4 small 6 soft 3 stand 8 stool 5 straight 3 strong

• •					
2	box	2 fall	7 large	13 rocking	
	boy	1 feel	5 leather	10 TOURING	2 use
5	broke	1 feet	18 leg	9 sat	2 useful
10	broken	7 furniture	26 legs	2 school	1 white
2	brown	3 good	1 level 1 look	131 seat 38 set	34 wood
2	cloth	3 grandpa	3 low	1 setting	5 wooden
1	color			430 sit	
3	comfort	3 hair	1 nap	2 sits	1 yellow
					3 your
			21. SWEET		
				4.77	
	apple	6 cookies	10 girl	17 milk	1 sick 1 slow
21	apples	1 cream 1 cute	213 good 4 goodies	37 nice	7 smell
5	baby		, 6004.00		1 something
1	banana	1 dear	1 he	7 orange	1 song
	bananas	1 delicate 4 delicious	23 honey	26 oranges	1 sorrow 1 sounds
i	beautiful beloved	4 doll	11 ice cream	3 peas	23 sour
1	biscuit	4 drink	1 it	3 perfume	1 stew
	bite		4 * 11	5 pickle	178 sugar
	blossom butter	13 eat 1 eating	4 jelly 8 juicy	6 pie 1 play	1 sugary 1 sweetpea
•	bread	1 canng	o juicy	1 potatoes	4 syrup
		1 flavor	5 lady	16 pretty	
	cake	5 flower	1 like	2	23 taste
	candy cherries	4 flowers 1 freeze	1 lovable 3 love	3 rich 3 rose	1 very
18	chocolate	3 frosting	3 lovely	4 roses	1 voice
1 .	coffee	4 fruit	-		
1	cold		2 meat	1 sauce	1 wood
			1 meet		
			22. WHISTL	c	
_					_
	aloud arrested	3 engine	9 horn	5 nice 185 noise	9 song 18 sound
4	arrested	3 fast	1 Jim	6 noisy	1 squeaking
1	bad	2 finger	1 joy	6 noon	6 steam
	beckoned	4 fingers		4 nose	1 story
	bird blew	19 fire	1 kind	1 note	1 supper
189		1 frolic 4 fun	2 lady	1 people	1 thistle
2 1	blowing		1 let's	1 pipe	2 time
	blown	4 girl	1 like	1 plow	1 tin
79 I	blows	1 goat 3 good	1 likes 6 lips	7 police 1 pretty	1 tone 4 toot
24	boys	1 got	3 listen	1 protty	21 train
1 1	breath	1 green	1 long	1 ring	11 tune
	bristle	7 1	71 loud	1 ristle	2 mhianan
4 1	bullet	7 happy 5 hard	4 low	.2 round 3 run	2 whisper 2 whistler
14	call	1 has	2 make		7 willow
4 (calling	1 have	6 man	2 scared	22 wind
	can canary	5 hear 3 hearing	1 mean 4 merry	2 sharp 2 shout	9 wood 3 wooden
	can't	1 help	1 missle	11 shrill	1 work
1 0	castle	1 her	5 morning	6 sing	
5 (come	1 high	16 mouth	2 singing	1 Yankee
3.	dinner	1 him 1 hole	14 music	1 sings 1 somebody	Doodle
2 0	dog	10 holler	11 name	1 somebody	
			23. WOMAN	Ī	
4 :	adult	1 face	3 kiss	1 one	1 straw hat
	arm	2 fashions	0 4100		3 sweep
		4 fat	1 laces	6 people 21 person	12 sweet
3 1	pabies	1 feather	13 ladies 243 lady	21 person	1 4011
	baby bake	9 female 7 furs	3 large	1 plush 1 poor	1 tall 1 talk
			4 laugh	12 pretty	1 tarts
4 1	oig				
4 l 1 l	olanket	17 girl	1 legs	1 prize	6 teacher
4 l 1 l		4 gloves	1 legs 1 likeness	1 prize	6 teacher
4 l 1 l 5 l	olanket ousy	4 gloves 2 going	1 legs 1 likeness 6 little	1 prize 6 run	6 teacher 1 use
4 l 1 l 5 l	olanket ousy can child	4 gloves 2 going 12 good	1 legs 1 likeness	1 prize 6 run	6 teacher
4 l 1 l 5 l	olanket ousy	4 gloves 2 going	1 legs 1 likeness 6 little 1 living	1 prize	6 teacher 1 use

5 1 1 5 5	cleans cloth clothes club coat cook cooking cooks crone dead dies dishes dishwashing dress dresses	7 hair 5 hands 44 hat 1 hats 2 head 1 hire 3 home 1 hose 7 house 2 housekeeper 1 housework 1 it 1 Jennie 3 kind	4 17 4 5 1 2 1 1 1 5 3	maid mamma man marry married me mean mend Miss mother neat nice old	1 4 1 3 1 4 2 1 1 13 7 1 1 1 5	sews shawl she shoe shoe shopping short silk sings singing skirt skirts slim slow small straight	1 2 17 4 5 2 1 1 1 1 18 42	walk walking warm wash washed washing washwoman way weak wealthy went widow women work
4	eyes		2	4. COLD				
5	air	10 coal		froze		nose	62	snow
2	awful	17 coat	9	frozen	ĭ	numb	1	soup
1	baby	1 colder 13 cool	1	fuel fun		old		stony
2	bad	37 cough				one	9	stove
1	beng	1 coughs	1	hand	4	out		thermometer
1	below bird	1 cream	13	hands hard	3	outdoors outside		thing think
2	biting	1 damp	1	head		overcoat		today
10	bitter black	25 day 1 do	1	heat hold		nnoumonia	1	too
1	blackboard	5 doctor		hot		pneumonia pole	8	very
	blow	3 dog	11	house		· .		•
3	bold boy	1 dreary	4 1	nunger	1	rain recent	25	warm warming
1	breath	6 ears	84	ice		red		was
4	breez e	4 evening	3	ice-cream	4	room	. 5	water
	bundle burn	5 feel		icy illness	1	severe	34	weather whooping
	buttermilk	6 feet		is		she	•	cough
		1 felt	1	it		shiver	36	wind
i	came chair	1 fever 9 fingers	1	Jack Frost	5	shivering shivery	103	windy winter
1	chase	17 fire	•	Juck 1100t	4	sick	103	WILLEL
3	child	68 freeze		meat	4	skates		
	chill chilly	40 freezing 5 frost		medicine mitten		sleet sliding	8	zero
	close	1 frosty	1	mold		sneeze		
			_	_ ~ ~ ~ ~				
				5. SLOW				_
	auto	2 dress		lame	3	reading	9	time
14	automobile awful	9 early		late lazily		reads run		tired tiresome
·		13 easy	138	lazy			2	too
2	babies	3 eating 5 elephant	. 5	lessons	. 2	said	1	top
1 2	baby bad	5 elephant 1 engine	14	long	3	school sew	2	tops tortoise
3	balky			man	3	short	3	train
9 2	behind	65 fast	2	me		show	22	turtle
3	bicycle blow	4 faster 3 feeble	4	molasses move	5	slack sleepy	7	very
3	book	4 feet	2	moving	8	slowly		
16	boy	10 -1-1	2	music		snail	21	wagon
1	can't	19 girl 3 girls	2	near	2	snake snow	1	wait wake
ī	cat	2 glow	1	night	1	soft	1	waken
4	child	18 go	8	not	2	something	107	walk.
36	children clock	3 goes 4 good	4	not quick	1	song stew	12	walking walks
4	come		1	oh	2	still	4	was
1	cooled	2 happy	.2	old	16	stop		way
2 2	cow crawi	1 he 3 heavy	14	oxen	3	stopping stole		work worker
~	CIONI	29 horse	3	people		stupid		working
3	dinner	2 horses	1	pig poke	1	sum	1	WOTTY
5 8	donker	20 hurry	2 5	poke poky	5	swift	4	write
î	donkey don't	10 lag	33	PORY	5	talking	1	writing
7	drag	1 lagging	4	quick	3	tedious	7	you

26 WISH

		26. WISH		
3 anything 2 apple 9 ask 2 asked 5 asks 1 at home 4 ball 3 bicycle 3 birthday 3 boat 5 bone 3 book 4 boy 5 cake 41 candy 3 cap 3 cat 15 Christmas 5 come 1 cone 6 could 4 desire	3 dollar 11 dress 1 eat 3 fairies 64 fairy 2 father 6 fish 2 flowers 6 for 2 fun 8 furs 5 game 18 get 7 gift 1 gladly 1 go 1 going 3 gold 19 good 2 grand 14 grant 4 guess	1 harm 25 have 2 her 5 home 10 hope 16 horse 2 horses 3 house 6 I 4 ice 1 ill 2 it 2 king 10 like 3 look 1 lot 17 luck 1 mad 3 man 1 me 4 merry	1 nickel 1 offer 1 park 1 pen 17 pony 4 present 2 prince 1 rainbow 5 ribbon 9 rich 2 sad 5 Santa Claus 1 sane 2 school 2 she 1 show 12 skates 4 sled 36 something 5 star 2 storybook	5 thing 2 things 37 think 3 thought 2 thousand 1 time 2 toy 6 toys 6 train 43 true 2 wagon 1 wait 5 wand 99 want 3 wanted 4 watch 1 water 6 well 2 what 1 which 1 wishbone 2 wished 3 wishing 4 witch
4 did		1 mish	3 suit	1 with
3 dish 3 do 16 dog 46 doll	13 had 3 happiness 3 happy 3 hard	12 money 1 monkey 6 nice	1 tall 4 telling 1 the	1 worked 2 you
		27. RIVER		
4 bath 4 bathing 14 big 37 boat 1 branches 3 bridge 1 broad 7 brook 4 canoe 1 cold 5 current 44 deep 2 delta 2 dirty 1 dive	11 drown 11 drowned 9 drowning 1 fall 4 fast 34 fish 8 fishing 1 float 16 flow 5 flowing 33 flows 1 freeze 2 frog 2 froze 6 frozen 2 go over	3 high 13 ice 1 icy 42 lake 1 large 1 lime 5 long 3 low 17 Mississippi 1 muddy 1 near 3 ocean 28. WHITE	1 ran 3 rapid 1 riding 1 rivulet 1 road 4 rock 3 row 5 run 13 running 16 runs 3 sail 1 saw 1 silver 4 skate 1 silver 3 slow	4 small 2 soft 30 stream 6 swift 72 swim 7 swimming 1 that 433 water 2 wave 3 waves 1 wear 10 wide 1 width 1 Yangzte
1 air	3 collar	8 goods	1 net	1 sewing
1 angel 6 apron 1 baby 2 bath tub 5 beautiful 1 billow 1 bird 28 black 1 blackboard 1 blue 1 board 1 brave 3 bread 16 bright 4 cat 3 chair 7 chalk 97 clean 4 clear 1 cloak	116 color 1 colored 2 cotton 2 curtain 1 dainty 1 dark 3 dead 1 dike 3 dirty 1 do 4 dog 1 draw 149 dress 1 duck 5 face 1 fast 1 fine 8 fiag 1 flight 1 flour	2 hair 2 hands 1 hard 1 hat 3 horse 19 house 1 hurt 1 ice 1 ice cream 1 jacket 1 jam 1 kitten 1 lace 125 light 2 lovely	10 nice 1 nightgown 1 old 6 paint 6 pale 1 pants 54 paper 1 people 1 pictures 1 pig 1 pigeon 1 pillow 1 plain 24 pretty 4 pure 1 rabbit 1 red 1 rib 14 ribbon	1 sheep 7 sheet 1 ship 1 shoes 1 sick 2 sky 65 snow 1 soft 2 still 2 stocking 1 swan 1 sweep 1 table 6 tablecloth 1 thread 1 tight 1 too 1 towels 1 very

61 cloth 5 clothes	4 flowers	1 man 2 mice	1 right 1 rims	6 waist
1 cloud	2 ghost	7 milk	1 111113	1 walls
1 clouds	1 gleam	1 my	1 sail	1 wear
3 coat	1 goat	1	1 screen	2 yellow
1 coin	1 good	1 name	1 see	2 yellow
		29. BEAUTIFU		
1 are	6 dog	7 hat	2 name	4 she
10 baby	28 dress	4 homel y 9 horse	169 nice 1 niceful	1 shine 9 silk
1 be	4 face	7 house	1 Bicciui	3 skin
19 beauty	1 fair		2 palace	3 stars
1 bed	1 feet	1 is	4 park	2 store 7 sun
3 belle 5 bird	3 fine 1 flag	1 jewelry	1 petticoat 15 picture	7 sun 3 sunset
1 birds	6 flower	1 jeweny	3 pictures	3 sweet
1 bright	37 flowers	38 lady	l plant	2 swell
7 butterfly	1 forest	4 lake	5 pony	4 41.1
1 bury	1 fountain	3 laugh 2 like	2 powder 280 pretty	1 thing 3 tree
1 careful	4 garden	3 lion	3 prince	5 tice
1 carriage	27 girl	1 look	4 princess	3 very
12 cat	1 glorious	3 looking	2 '11	
3 child 1 class	3 good 1 gorgeous	3 looks 4 love	3 ribbon 1 rich	2 wagon 13 woman
2 clean	2 graceful	1 loving	3 ring	5 women
5 coat	10 grand	8 lovely	2 river	12 wonderful
14 color	3 great		9 rose	4 woods
5 cute	1 green	1 magnificent 2 man	2 roses	3 wreath
3 day	7 hair	1 mother	2 satin	9 you
1 diamonds	1 have	1 mountain	2 scenery	•
30 doll	13 handsome	1 muff		
		30. WINDOV		
8 air	3 dirty 2 door	1 icicle 1 invisible	5 room	4 sun
1 ball	1 down	1 it	1 run	1 take
8 big			1 sale	1 through
1 blows	1 fall	2 large	1 sash	1 toys
1 board 13 break	6 frame 1 fresh	47 light 3 little	1 sat 2 school	4 tree 5 trees
1 breeze	1 frost	116 look	1 screen	5 11003
1 brick	1 frosty	2 looked	36 see	9 up
37 broke	1 froze	2 looking	1 sceing	1
23 broken	1 frozen	8 lookout	6 shade 2 shines	1 varnish
1 church	1 girl	24 open	1 shiny	12 wasb
1 class	1 glance	6 out	l shot	1 white
6 clean 1 close	421 glass 1 grass	4 outdoors	5 shut 9 sill	5 wide 2 wind
21 cold	1 g1455	62 pane	2 stained	1 windmill
1 cooler	1 hall	1 pillow	l stare	2 windows
1 comfort	12 house	1 plate	1 straight	1 wood
7 curtain 1 curtains	1 I	1 rattle	1 streetcar 1 storm	
Cuitama			2 0001111	
		31. ROUGH	I	
2 angry	2 decay	2 horrid	1 pain 12 paper	8 sidewalk
2 are	3 dirt	2 horse	12 paper	2 skin
16 bad	3 dog 1 doll	1 humpy 8 hurt	3 place 2 plain	2 slivers 2 small
1 bear	2 door	1 hurtful	5 plaster	35 smooth
2 beard	1 dress		25 play	1 soft
4 big	1 anamw	9 ice	3 playing 1 pleasant	1 stand
27 board 1 book	1 enemy	1 iceberg 2 irregular	1 pleasant 2 poor	1 sticker 11 stone
89 boy	1 fall		1 pump	4 stones
37 boys	6 fight	2 jagged		1 stove
2 broom 2 bump	2 fighting 1 file	2 jerky	l rat l railway	2 stumps
2 bump 23 bumps	2 files	1 knot	1 red	2 table
61 bumpy	1 flat		1 ribs	1 tear
	15 floor	2 language	2 right	1 torn

1 cake 1 candy 4 careless 1 carpet 1 chair 1 chap 5 chapped 1 Charles 7 child 6 cloth 2 clothes 1 clumsy 4 coarse 1 coat 1 come 1 come 1 cough 1 crooked 1 cut-glass	2 football 2 frog 3 fur 1 fuzzy 1 gentle 1 girl 1 glass 1 goody 1 grass 14 ground 1 gruff 13 hand 15 hands 144 hard 1 hill 3 hit 4 hitting	1 leather 1 line 1 logs 2 lumpy 11 man 71 mean 1 meat 1 men 3 mountain 5 mountains 1 mouse 1 nasty 3 naughty 1 no good 8 ocean 1 old 1 ouch	41 road 8 rock 4 rocks 10 rocky 1 roof 2 round 2 rowdy 3 rude 1 rug 10 rugged 1 rush 6 sand 2 sandpaper 2 sandy 4 sea 2 shaggy 1 shake 1 shoes	7 tough 1 tree 1 uncomfortable 13 uneven 1 unkind 2 unlevel 2 unsmooth 1 voice 1 wall 4 water 2 waters 4 waves 1 wind 15 wood 1 work 1 wrestle
		32. STORK		
1 Africa 14 animal 1 animals 34 babies 287 baby 11 beak 26 big	4 chimney 1 colors 1 crane 1 dear 1 duck 2 Dutch	3 Germany 1 girl 1 going 1 have 1 head 9 Holland 1 house	11 long-legs 1 many 1 mean 1 meat 1 mother 4 neck	1 ship 1 shoot 1 shot 1 skin 1 skin 2 small 1 spaghetti 1 stole
16 bill 372 bird 2 bring 1 brook 1 brother 1 building 1 carried 2 carries 1 carry 1 chicken 1 children	1 eat 1 eggs 1 fast 1 feather 6 feathers 1 fish 19 fly 1 flies 1 foot 1 fork 1 frogs	1 I 1 is 1 kill 2 large 3 leg 41 legs 1 life 14 long 1 long-leg	14 nest 1 nice 1 ostrich 1 plan 1 play 1 quick 1 river 1 rork	1 stories 1 strange 1 swift 4 tall 1 talk 2 walk 3 white 4 wing 35 wings
		33. FOOT		
11 ache 1 afoot 15 ankle 1 ball 3 bare 2 barefoot 1 beat 27 big 1 black 11 body 10 bone 1 boots 1 boots 1 boots 1 boots 2 bortom 16 break 7 broke 3 broken 3 clean 6 cold 21 corn 4 corns 1 crawls 2 cut	1 dog 1 fat 71 feet 1 figure 1 fingers 1 fleet 2 flesh 1 football 4 go 1 go on 1 had 5 hand 5 hand 1 heel 18 hurt 1 hurts 1 inches 2 jump 6 kick 1 kicked	1 ladder 1 lady 1 lame 6 large 1 leak 79 leg 36 legs 1 like 8 little 1 look 1 loot 11 long 1 lumber 12 man 1 march 1 measure 1 measure 1 muscle 1 my 5 nails 1 one 1 people	1 piece 1 print 1 rough 1 rule 1 ruler 22 run 1 runs 1 shape 73 shoe 8 shoes 1 shot 5 skin 1 slipper 7 small 1 soothe 23 sore 1 sort 1 sour 1 square 1 stamp 1 stamp 1 stank 3 stand 11 step 1 stink	1 stockings 1 stool 1 strong 1 swollen 1 teacher 1 tiny 1 tired 34 toe 81 toes 1 track 1 twelve inches 1 useful 205 walk 3 walked 8 walking 38 walks 1 warm 1 wide 1 wiped 1 wonderful 1 work 1 yard
5 afraid	1 cobwebs	1 funny	4 lucky	2 sews
36 animal 1 ant 1 awful	1 cones 2 cook 1 corner	1 glass 1 grown	1 mean 1 meat	1 shanty 1 six legs 8 small

			crawl				mider	1 soft
	bad	_4	crawling	1	hang	1	Muffet	10 spin
.1	banana	54	crawls		head			6 spins
14 2	big	2	creature	1	hid	2	nasty	1 spun
	bit bite		crept crow	1	hoops hornet		nice no	1 stepped 2 sting
~2	biter	•	CIOW		house	•	110	2 Sting
5	bites	1	daddylonglegs	•	House	4	pan	1 trap
	biting	ī	dirt	57	insect		parlor	
4	body				insects	36	poison	3 ugly
_1	boy	5	eggs			2	poisonous put	
83	bug	1	enemy	4	kill	1	put	19 walk
1		1	eye		killed			5 wall
1	burn butterfly		face	1	kind		reptile	l wasps
1	butterny		face farm	1	large	2	round run	261 web 2 webs
1	catch	6	feet	î	leg	3	runs	2 webs 7 weave
ī	caught		flee	107	legs legs	٠	14	1 wing
1	claws	40	fly	17	little	1	scare	2 worm
2	clmb	1	flyeater	19	long	1	see	
12	cobweb	9	fry	11	longlegs	1	sew	
				35	. NEEDLE			
1	angry	2	eyes	1	long	2	pricked	2 sticks
i	article	- 2	Cycs	•	Tong		pricked	1 sting
	awake	1	feather	3	machine	1	reedle	1 stockings
			finger		mother			1 string
1	beetle	1	food			2	scratch	
1	bench	_	_	2	nickel	449	sew	4 thin
	bend	3	good	_			sewed	1 thing
1	bumpy	_		1	old		sewer	72 thread
0	-1-41-		head	-	-:-1-	81	sewing	1 tin
1	cloth	11	hole	3	pick	20	sews	1 tool
	clothes	3	hold hurt	38	pierce pin	30	sharp sharpened	1 wire
1	doll		Muit	30	pins	3	silver	6 work
17	dress	1	lamp	23	point		small	O WOLK
				-=				
		- 7	large	- 5	pointed	23	steel	
41	eye	17	large little	16	pointed prick	23 39	steel stick	
41	eye	17	large little	16	pointed prick	23 39	steel stick	
41	eye	17	large little	16	pointed	23 39	steel stick	
		17	little	16	pointed prick 36. RED	39	stick	1
1	afraid	17	little children	16	pointed prick 36. RED goods	39	steel stick nose	1 run
1 42	afraid apple	17 1 1	children Christmas	16	pointed prick 36. RED	39 2	stick nose	
1 42 14	afraid apple apples	17 1 1 65	children Christmas	16 3 4	pointed prick 36. RED goods green	39 2	stick	1 sale
1 42 14	afraid apple	17 1 65 9	children Christmas cloth coat	16 3 4 10	pointed prick 36. RED goods green hair	39 2 1	nose orange	1 sale 11 scarlet
1 42 14	afraid apple apples	17 1 1 65 9 1 298	children Christmas cloth coat cold	16 3 4 10 2 5	pointed prick 36. RED goods green hair happy hat	39 2 1 24 1	nose orange paint painted	1 sale 11 scarlet 2 school
1 42 14 1 1 6	afraid apple apples at baby ball	17 1 65 9 1 298 1	children Christmas cloth coat cold cold color colors	16 3 4 10 2 5 1	pointed prick 36. RED goods green hair happy hat	2 1 24 1 7	nose orange paint painted paper	1 sale 11 scarlet 2 school 1 see 1 shiny
1 42 14 1 1 6	afraid apple apples at baby ball barn	17 1 1 65 9 1 298 1	children Christmas cloth coat cold color colors cows	16 3 4 10 2 5 1	pointed prick 36. RED goods green hair happy hat head homely	2 1 24 1 7	nose orange paint painted paper papers	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled
1 42 14 1 1 6 12 1	afraid apple apples at baby ball barn bead	17 1 1 65 9 1 298 1	children Christmas cloth coat cold cold color colors	16 3 4 10 2 5 1 1	pointed prick 36. RED goods green hair happy hat head homely hood	2 1 24 1 7 1 2	nose orange paint painted paper papers pencil	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel
1 42 14 1 1 6 12 1	afraid apple apples at baby ball barn bead beil	17 1 1 65 9 1 298 1 1	children Christmas cloth coat cold color colors cows crayon	16 3 4 10 2 5 1 1 1	pointed prick 36. RED goods green hair happy hat head homely hood hot	2 1 24 1 7 1 2 1	nose orange paint painted paper papers pencil pillow	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star
1 42 14 1 1 6 12 1 1	afraid apple apples at baby ball barn bead bell	17 1 1 65 9 1 298 1 1 1 1	children Christmas cloth coat cold color colors cows crayon danger	16 3 4 10 2 5 1 1 1	pointed prick 36. RED goods green hair happy hat head homely hood	2 1 24 1 7 1 2 1	nose orange paint painted paper papers pencil pillow pinch	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings
1 42 14 1 1 6 12 1 1 1 3	afraid apple apples at baby ball barn bead beill bells belt	17 1 1 65 9 1 298 1 1 1 31	children Christmas cloth coat cold color colors cows crayon danger dark	16 3 4 10 2 5 1 1 1 1 7	pointed prick 36. RED goods green hair happy hat head homely hood hot house	2 1 24 1 7 1 2 1 1 3	nose orange paint painted paper papers pencil pillow pinch pink	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings I story
1 42 14 1 1 6 12 1 1 1 3 1	afraid apple apples at baby ball barn bead beil beils bett bett	17 1 1 65 9 1 298 1 1 1 31 6	children Christmas cloth coat coldr colors cows crayon danger dark dirty	16 3 4 10 2 5 1 1 1 1 7	pointed prick 36. RED goods green hair happy hat head homely hood hot	2 1 24 1 7 1 2 1 1 3	nose orange paint painted paper papers pencil pillow pinch	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater
1 42 14 1 1 6 12 1 1 1 3 1	afraid apple apples at baby ball bern bead beil bells belt bench blood	17 1 1 65 9 1 298 1 1 1 1 31 6 1 1 1	children Christmas cloth coat cold color colors cows crayon danger dark dirty door	3 4 10 2 5 1 1 1 1 7 4	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian	2 1 24 1 7 1 1 3 14	nose orange paint painted paper papers pencil pillow pinch pinch pretty	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings I story
1 42 14 1 1 6 12 1 1 1 1 1 1 1 1	afraid apple apples at baby ball barn bead beil beils bett bett	17 1 1 65 9 1 298 1 1 1 1 6 1 1 1 1	children Christmas cloth coat coldr colors cows crayon danger dark dirty	16 3 4 10 2 5 1 1 1 1 7 4 13 2	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led	2 1 24 1 7 1 2 1 1 3 14	nose orange paint painted paper papers pencil pillow pinch pinch pretty radish read	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater
1 42 14 1 1 6 12 1 1 1 1 1 1 1 9 3 1	afraid apple apples at baby ball barn bead bell bells belt bench blood blue books	17 1 1 65 9 1 298 1 1 1 1 6 1 1 1 1 85	children Christmas cloth coat color color colors cows crayon danger dark dirty door draw	16 3 4 10 2 5 1 1 1 7 7 4 13 2 1	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters	2 1 24 17 1 2 1 1 3 14	nose orange paint painted paper papers pencil pillow pinch pink pretty radish read	1 sale 11 scarlet 2 school 1 sec 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that
1 42 14 1 1 6 12 1 1 1 1 3 1 1 4 9 3 5 1 1	afraid apple apples at baby ball barn bead bell bells belt bench blood blue book books	17 1 1 65 9 1 298 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	children Christmas cloth coat cold color colors cows crayon danger dark dirty door draw draw dress dresses	3 4 10 2 5 1 1 1 1 7 4 13 2 1 15	pointed prick 36. RED goods green hair head homely hood hot house Indian lantern led letters light	39 2 1 24 17 12 13 14 15 1	nose orange paint painted paper papers pencil pillow pinch pink pretty readish ready ready remarkable	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk
1 42 14 1 1 6 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	afraid apple apples at baby ball bern bead beil belt bench blood blue book books bow	17 1 1 65 9 1 298 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress	3 4 10 2 5 1 1 1 1 7 4 13 2 1 15 1	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip	39 2 1 24 17 12 11 3 14 15 11 16	nose orange paint painted paper papers pencil pillow pinch prink pretty radish read read read remarkable ribbon	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread
1 42 14 1 1 6 12 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	afraid apple apples at baby ball barn bead bell bells belt bench blood blue books bow box box	17 11 65 9 12 298 1 1 1 1 85 1	children Christmas cloth coat cold color colors cows crayon danger dark dirty door draw dress dresses eraser	16 3 4 10 2 5 1 1 1 7 4 13 2 1 15 1	pointed prick 36. RED goods green hair head homely hood hot house Indian lantern led letters light	39 2 1 24 17 12 13 14 15 11 16 1	nose orange paint painted paper papers pencil pillow pinch pink radish read ready remarkable ribbon ring	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread
1 42 14 1 1 6 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	afraid apple apples at baby ball bern bead beil belt bench blood blue book books bow	17 11 65 9 1 298 1 1 1 1 85 1	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face	34 10 25 11 11 17 4 13 22 15 11	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light light look	24 1 24 1 7 1 1 2 1 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty radish read ready remarkable ribbon ring river	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake
1 42 14 1 1 6 12 1 1 1 3 1 1 1 1 6 8 6 8	afraid apple apples at baby ball barn bead bell bells belt bench blood blue books bow box bread bright	17 11 65 9 29 11 11 31 61 11 85 1	children Christmas cloth coat color colors cows crayon danger dark dirty door draw dress dresses eraser face fire	34 10 25 11 11 17 4 13 22 15 11	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip	24 1 24 1 7 1 2 1 1 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink read ready remarkable ribbon ring river road	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war
1 42 14 1 1 62 1 1 1 3 1 1 4 9 3 5 1 1 1 1 68 1	afraid apple apples at baby ball barn bead bell bells belt bench blood blue book books books bow bow bow bow cad bright calendar	17 11 65 9 12 298 11 11 85 11 185 11 29 24	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face fire flag	16 34 10 25 11 11 17 4 13 2 15 11 11 11	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip look morn	24 1 24 1 7 1 1 2 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty readi ready remarkable ribbon ring river road robin	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 war 18 white
1 42 14 1 1 62 1 1 1 3 1 1 4 9 3 5 1 1 1 1 68 1	afraid apple apples at baby ball bern bead beils belt bench blood blue books bow box bread bright calendar candy	17 1 1 1 65 9 1 298 1 1 1 1 1 1 1 85 1 1 1 2 9 2 4 4 4	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face fire flag flower	16 34 10 25 11 11 17 4 13 21 15 11 11	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip look morn needle	24 1 24 1 7 1 1 2 1 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch prink pretty radish read read ready remarkable ribbon ring river road robbin rose	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war
142 141 16 12 11 13 11 14 9 35 11 11 68 16	afraid apple apples at baby ball barn bead bell bells belt bench blood blue book books books bow bow bow bow cad bright calendar	17 1 1 65 9 1 298 1 1 1 1 1 85 1 1 1 2 9 24 4 2 2 4 4 2	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face fire flag	16 34 10 25 11 11 17 4 13 21 15 11 11	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip look morn	24 1 24 1 7 7 1 2 2 1 1 1 3 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty readi ready remarkable ribbon ring river road robin	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 war 18 white
142 141 16 12 11 11 14 19 35 11 11 168 161	afraid apple apples at baby ball barn bead bell bells belt bench blood blue book book bow box calendar candy canoe	17 1 1 65 9 1 298 1 1 1 1 1 85 1 1 1 2 9 24 4 2 2 4 4 2	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face fire flag flower flowers	16 34 10 25 11 11 17 4 13 2 15 11 11 11 12	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip look morn needle nice	24 1 24 1 7 7 1 2 2 1 1 1 3 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty radish read ready remarkable ribbon ring river rodin rose rose	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war 18 white 1 words
142 141 16 12 11 11 14 19 35 11 11 168 161	afraid apple apples at baby ball barn bead bell bells belt bench blood blue book book bow box calendar candy canoe	17 1 1 65 9 1 298 1 1 1 1 1 85 1 1 1 2 9 24 4 2 2 4 4 2	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face fire flag flower flowers	16 34 10 25 11 11 17 4 13 2 15 11 11 11 12	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip look morn needle	24 1 24 1 7 7 1 2 2 1 1 1 3 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty radish read ready remarkable ribbon ring river rodin rose rose	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war 18 white 1 words
142 141 161 121 113 114 114 115 116 116 116 116 116 116 116 116 116	afraid apple apples at baby ball bern bead bell bells belt bench blood blue books bow broad bright calendar candy canoe cap	17 1 1 1 1 1 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1	children Christmas cloth coat color colors cows crayon danger dark dirty door dresses dresses eraser face fire flage flowers fly	16 3 4 10 2 5 1 1 1 1 7 7 4 13 2 1 1 1 1 1 2 2 3	pointed prick 36. RED goods green hair happy hat head homely hood house Indian lantern led letters light lip look morn needle nice 7. SLEEP	2 2 1 24 1 7 7 7 1 1 2 1 1 1 3 3 1 4 1 1 1 1 1 1 1 1 1 2 2	nose orange paint painted paper papers pencil pillow pinch pink read ready remarkable ribbon ring river road robin rose rose rose	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war 18 white 1 words 1 yellow
12111131111168 16114	afraid apple apples at baby ball barn bead beil belt bench blood blue book books books bow bread bright calendar candy canoe cap	17 655 91 2988 1 1 1 1 1 1 1 1 1 1 29 24 4 2 2 1	children Christmas cloth coat cold colors cows crayon danger dark dirty door draw dress dresses eraser face fine fing flower flowers fly down	16 3 4 10 2 5 1 1 1 1 7 7 4 13 2 1 1 1 1 1 2 2 3	pointed prick 36. RED goods green hair happy hat head homely hood hot house Indian lantern led letters light lip look morn needle nice	2 2 1 24 1 7 7 1 2 1 1 1 3 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty read; ready ready remarkable ribbon ring river roadi robin rose rosy rug	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 war 18 white 1 words 1 yellow 4 slept
12 14 14 16 12 11 13 11 14 14 16 16 16 11 14 16 16 16 16 16 16 16 16 16 16 16 16 16	afraid apple apples at baby ball bern bead beils belt bench blood blue books bow box bread bright calendar candy canoe cap	17 1 1 1 1 1 298 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 9 9 2 4 4 2 2 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	children Christmas cloth coat color colors cows crayon danger dark dirty door dresses dresses eraser face fire flage flowers fly	16 3 4 4 10 2 5 5 1 1 1 1 7 7 4 1 3 2 1 1 1 1 2 2 3 1 5	pointed prick 36. RED goods green hair happy hat head homely hood house Indian lantern led letters light lip look morn needle nice 7. SLEEP keep late	2 1 24 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink read ready remarkable ribbon ring river road robin rose rose rose	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war 18 white 1 words 1 yellow
12111314935111168 14141	afraid apple apples at baby ball bern bead bell belt bench blood blue book books bow bread bright calendar candy canoe cap asleep awake awoke	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	children Christmas cloth coat cold colors cows crayon danger dark dirty door drass dresses eraser face fire flag flower flag flowers fly down doze dream dream dream dreaming	16 3 4 10 2 5 1 1 1 1 7 4 1 3 2 2 1 1 5 1 1 1 2 3 1 5 9	pointed prick 36. RED goods green hair happy hat head homely hood hot led letters light lip look morn needle nice 7. SLEEP keep late lay	2 1 244 1 7 1 1 2 2 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty radish read ready remarkable ribbon ring river road robin rose rosy rug peace peacefully people pillow	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 war 18 white 1 words 1 yellow 4 slept 6 slumber 15 snores
142 141 161 121 113 114 114 114 114 114 114 114 114 11	afraid apple apples at baby ball barn bead bell bells belt bench blood blue books bow brad bright calendar candy canoe cap	17 1 1 1 65 9 1 298 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	children Christmas cloth coat color colors cows crayon danger dark dirty door draw dress dresses eraser face fire flag flower flower flowers fly down doze dream dreaming drowsy	16 34 10 22 51 11 11 7 4 13 22 15 11 11 11 11 11 11 11 11 11 11 11 11	pointed prick 36. RED goods green hair happy hat head homely hood house Indian lantern led letters light lip look morn needle nice 7. SLEEP keep late lay slays	2 1 244 1 7 1 1 2 2 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink read ready remarkable ribbon ring river road robin rose rosy rug	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war 18 white 1 words 1 yellow 4 slept 6 slumber 15 snore 1 snores 1 snores 1 snoreing
12111314935111168 1614 141 281	afraid apple apples at baby ball bern bead bell belt bench blood blue book books bow bread bright calendar candy canoe cap asleep awake awoke	17 1 1 1 65 9 1 298 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	children Christmas cloth coat cold colors cows crayon danger dark dirty door drass dresses eraser face fire flag flower flag flowers fly down doze dream dream dream dream dreaming	16 34 1025111117 4 132211511 1 12 31 5916	pointed prick 36. RED goods green hair happy hat head homely hood hot led letters light lip look morn needle nice 7. SLEEP keep late lay	2 1 2 4 1 7 7 1 1 1 3 3 1 4 4 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nose orange paint painted paper papers pencil pillow pinch pink pretty radish read ready remarkable ribbon ring river road robin rose rosy rug peace peacefully people pillow	1 sale 11 scarlet 2 school 1 see 1 shiny 1 sled 1 squirrel 1 star 1 stockings 1 story 10 sweater 1 Sweden 1 talk 1 that 1 thread 4 waist 1 wake 1 war 18 white 1 words 1 yellow 4 slept 6 slumber 15 snore

1 bird 6 boy 1 boys 1 bride 1 buggy 1 calm 1 candy 6 child 1 clean 5 close 1 closed 1 crept 1 cross	1 enough 1 eye 40 eyes 1 fall 3 fast 1 fine 1 gentle 1 girl 1 go 7 good 1 goodnight 1 happy 1 hard	1 lie 1 lies 1 like 3 long 9 man 1 me 1 meet 1 morning 1 mothers 3 much 15 nap 4 need 3 nice 95 night	1 quilt 12 quilts 40 rest 1 resting 1 see 1 senseless 1 she 1 sheep 1 sheet 5 shut 1 shutting 1 silent 4 sleeping 9 sleepy	1 sweep 1 take 1 time 67 tired 1 uncle 6 wake 1 waken 1 we 1 went 1 will 1 woman 1 writing
1 did 1 do	1 I	1 papa	1 sleepyhead 1 sleet	1 you
		38. ANGER		
1 410000	1 diaghau		52 maan	1 enante
1 Alonzo 1 angrily 20 angry 1 ant 1 at	1 disobey 6 dog 1 eat	1 hands 3 happy 1 harm 3 he 1 him	53 mean I mind I mother 1 naughty 6 nice	1 spank 1 spanking 1 strong 7 swear
1 baby 17 bad	1 fancy 4 fierce	1 horse 1 hungry	1 on	6 teacher 8 temper
1 bashful	57 fight 19 fighting	1 I		1 tiger 5 tired
1 beer 1 bet 1 blow 38 boy 15 boys	1 finger 1 flop 1 funny 1 furious 1 fury	6 kill 1 killed 1 lady	1 play 12 quarrel 1 quarreling 1 quick	8 ugly 1 unhappy 1 very
1 children 10 cranky 1 cries 56 cross 1 crossness 1 cruel 6 cry 1 danger	3 girl 1 girls 9 glad 7 good 1 grave 1 greedy 1 grouch 1 grow 1 grow	1 language 1 langer 1 large 1 lion 1 lookout 471 mad 1 madness I mamma 45 man	1 rough 1 saucy 10 scold 3 scowl 1 sin 1 soften 9 sore 1 sorrow	1 walk 1 we 1 weary 1 whack 1 wicked 1 wild 1 wolf 11 woman
	- B	39. CARPET		
20 beat 1 beating 9 beautitul 4 big 1 black 6 blue 1 border 9 broom 1 brush 3 brussels 3 chairs 1 children 18 clean 19 cloth 16 color 3 colors 1 cover 1 design 1 designs 10 dirt 15 dirty	1 down 9 dust 15 dusty 1 fall 1 feet 1 felt 1 flat 149 floor 2 flowers 1 foot 2 front 2 furniture 3 green 1 hall 1 have 12 home 30 house 6 large 2 lay	10 lays 1 like 1 little 1 long 1 man 1 marble 12 mat 1 mice 1 mothers 1 muddy 15 new 15 nice 1 on 1 person 1 pit 1 poor 16 pretty 1 put	9 rag 4 rags 1 ragged 8 red 1 rolled 2 room 4 rough 245 rug 2 rugs 1 run 1 Saturday 1 shake 1 sing 5 small 7 smooth 28 soft 2 square 1 stain 1 stain 1 stand 4 step 1 straw 45 sweeper	1 sweeps 1 swept 2 tack 20 tacks 1 the 1 thread 1 torn 6 velvet 88 walk 3 walked 1 walking 2 walks 1 warm 1 wash 1 we 1 weave 1 weed 1 wheels 1 wipe 1 women
				1 woven
		40. GIRL		
1 anger 11 baby 34 beautiful	1 dolls 240 dress 23 dresses	1 her 6 home 1 homely 3 house	2 money 1 neat 24 nice	2 she 8 shoes 1 sing 4 sister

1 beauty	2 eat	6 human		2 skirt
2 being	11 eyes		1 Pearl	2 skirts
22 big		1 June	5 people	2 small
40 boy	19 face	1 jumping	18 person	1 sole
1 boys	1 fair	7 15	1 pies	2 stockings
2 bracelet	1 fancy 5 feet	7 kiss	1 plant	11 sweet
1 000	5 feet 22 female	1 lad	18 play 3 playing	I talks
1 cap 45 child	1 flirt	26 lady	3 playing 2 playmate	1 that
12 children	1 flower	5 laugh	3 plays	1 there
2 clean	1 foot	1 legs	1 poor	
26 clothes	1 full	/ little	25 pretty	3 walks
1 clothing	8 furs	1 live	2 punk	1 wash
1 coat		5 love		1 washes
10 cook 1 creature	1 giggle	3 maid	19 ribbon	l went l where
1 cry	2 girls 17 good	3 maid 2 maiden	5 ribbons 1 rill	1 where 1 wife
i curi	1 grow	1 Margaret	3 run	8 woman
3 curls	- 8	1 Marion		1 women
1 cute	38 hair	4 mate	21 school	8 work
	10 hands	2 me	1 scold	1 wrangle
I dancer	1 happy	5 mean	2 sew	1 write
1 daughter	17 hat	1 mirth	1 sewed	0
23 doll	1 have	4 miss	1 sews	2 you
				8 young
		41. HIGH		
		41. nign		
2 above	9 church	2 gastank	1 lumber	1 ship
4 aeroplane	1 class	1 globe		1 sing
9 afraid	10 cliff	1 goat	1 man	1 size
50 air	1 climb	5 good	1 money	22 sky
4 airship 1 Alps	1 clock 3 clouds	1 goodies	1 moon 120 mountain	1 so 1 stand
7 apple	3 cold	1 hair	5 mountains	1 stars
10 apples	1 courthouse	î hard	1 my	30 steep
1 are	1 crust	1 heaven		1 steeple
	1 cut	10 height	l nest	1 step
1 bakery	10 3	92 hill	4 nice	1 suņ
1 balloon 3 bank	16 deep	1 home	2 nigh	14 swing
3 bank 1 beans	1 did 3 distance	32 house	1 number	56 tall
1 bees	o distance	1 in	1 oranges	1 thought
14 big	1 ear	1 iron	1 oranges	1 throw
5 bird	18 eat		2 peak	1 tone
1 birds	3 cating	7 jump	8 peaks	5 top
1 blow	1 embankment	1 jumped	1 picture	13 tower
1 boy 1 build	l every	1 1-2	1 post	7 tree
1 bulld 32 building	22 fall	1 king	10 reach	5 trees
1 bush	58 far	1 ladder	1 righ	60 up
7 butter	1 fate	1 large	1 road	or up
	2 fence	3 length	1 rock	3 very
1 cake	1 flagpole	1 light	12 rocks	1 vines
3 castle	1 flower	8 long	16 roof	
8 ceiling	1 flowers	1 look 1 loud	1 room 1 rug	9 wall
7 chair 1 children	24 fly	l loud 25 low	1 rug	3 way up 2 windmill
1 children		23 IOW	1 school	2 Williamin
		42. WORKIN	G	
		. 1. 1. 1	•	
3 bad 1 bank	1 driving 1 drudging	1 helping 7 home	3 noon 1 not	1 slow 1 stonequarry
2 beds	1 dust	20 horse	1 1100	1 stop
1 bench	1 dusting	1 hot	9 pay	12 store
1 better		1 house	1 people	2 strong
1 blind	10 earn		1 pinch	11 study
8 books	l earning	6 job	34 play	2 sturdy
1 boss	1 eat	10 1-1	11 playing	3 sweat
7 boy	2 fortuning	18 labor	l plumber	2 40-1-
1 boys 1 bricks	2 factories 6 factory	1 laboring 1 lace	1 pop	2 task 1 thrifty
1 build	1 farm	1 late	1 rake	29 tired
49 busy	6 farmer	13 lazy	1 rate	1 today
	1 fast	2 learn	9 rest	2 toil
2 carpenter	12 father	4 learning		1 ton
l chair	1 fireman	1 light	1 sand	l tools
1 chop		4 loafing	1 saving	1 tried

1 cigar 15 clothes 1 crust 8 day 1 digging 19 dishes 9 do 4 doing 1 done 1 doughnut	3 garden 2 girl 5 girls 1 good 1 hammer 1 hand 7 hands 299 hard 1 he 4 help	1 lumber 6 machine 1 machinist 1 make 93 man 1 mark 53 men 4 mind 1 mining 27 money 43. SOUR	1 scholar 13 school 1 scrub 10 shop 1 shopping 2 shovel 1 shovels 1 slave 1 sleep 1 sleeping	3 wash 1 well 10 woman 3 women 2 wood 19 work 2 worked 1 workman 1 workmen 1 wring
47 apple	54 eat	8 kraut	1 peaches	1 sting
49 apples			21 pickle	1 stomach
7 ate	1 face	57 lemon	89 pickles	4 strong
25 bad	1 food 19 fruit	3 lemons 1 liquid	1 pie plant 1 pills	1 sugar 75 sweet
63 bitter	_	1 lour	l plum	20 4
1 boy 1 burns	33 good 1 grape	1 meat	l plums l poison	28 taste 1 tasteful
3 buttermilk	8 grapes	124 milk	-	1 tastes
2 anhhama	9 green	£	1 radish	1 that 1 things
3 cabb age 9 candy	13 hard	6 nasty 8 nice	1 rotten	1 too
1 cider	1 have	l no	4 salad	1 tour
1 corn 1 cow	1 horrid	1 not	7 salt 1 salts	1 unhappy
I cranberries	1 it	1 onion	4 sauce	1 unpleasant
52 cream 4 cucumber	0 inion	1 our 1 onions	1 scour 1 sorry	1 unsweet
	9 juice 1 juicy	8 orange	1 soup	53 vinegar
1 dill	1 1 - 441 -	17 oranges	24 sauerkraut	1 very
1 drink	1 kettle	1 pancake	1 spoiled	1 warm
				1 water
		44. EARTH		
4 air	1 feet	4 houses	4 plant	2 star 1 step
1 awful	2 fertile 1 fire	1 in	l plaster 5 play	1 step 1 stone
18 ball	2 flowers	1 is		1 stones
21 big 2 birth	1 food 3 frightened	43 land	5 quake	1 stream
73 black	1 froze	34 large	1 rabbit	4 tree
1 blue	1 frozen	1 light	3 roads 2 rock	3 trees
1 boy 1 bright	4 garden	38 live 1 lovely	2 rock 1 rocks	1 vegetable
1 brook	4 globe		5 rocky	
1 city	1 God 1 good	1 man 1 meek	1 rough 82 round	15 walk 1 walking
1 cloud	9 grass	1 moist		3 warm
1 coat 3 cold	2 gravel	1 mother	39 sand 2 seed	4 water 1 we
1 color	2 green 1 grit	1 mountain 1 mud	1 shack	1 we 1 woods
1 corn	223 ground	1 muddy	1 shovels	1 work
1 deep	I grow	2 nature	1 sinking 6 sky	30 world 1 worms
1 dig	31 hard	1 nice	1 snow	
1 dirth 102 dirt	7 heaven 5 hemisphere	1 nose	1 sod 4 soft	1 yard 1 you
1 dug	3 high	1 open	4 soil	1 304
0	10 hole	22	1 solid 3 sohere	
9 earthqu ake	33 house	23 people	3 sphere	
		45. GARDEI	N	
l angel I apple	13 eat	1 grown 9 grows	6 nice	1 raked 3 rose
36 apples	2 farm	. 8	2 onions	5 roses
1 baby	1 father's	7 hoe	1 paper	1 round
15 beautiful	2 fence 4 field	1 hoeing	i pansy 1 pardon	4 seed
1 beet	1 first	1 I	3 peas	8 seeds
13 big	132 flower 327 flowers	4 land	1 person 37 plant	2 shovel 1 soil
5 cabbage	2 food	1 large	1 planting	2 sow
1 cakes	1 fragrant 52 fruit	1 lilies	20 plants	3 summer
	Ja Hilli			

2	carrot	3	fruits			3	play .		
20	carrots				made	1	poppies	3	tomatoes
12	corn		gardener		make	3	potato	00	
1	club		good grand		man marden	32	potatoes pretty		vegetable vegetables
1	den		green_		men	2	pumpkin	30	Vegetables
	dirt	19	ground		mine			1	weather
_		34	grow	1	mother's		radish		wet
9	earth	5	growing	1	mud	1	raise	2	yard
				46.	SOLDIE	R			
1	am	7	danger	9	guard		navy	26	sword
	are	3	dead	61	gun		nice		
	armor		die	1	guns		_	1	tall
63	army		died	2	hard		of -ec		
1	bang	1	d r ill	2	hat		officer old	1	uniform United States
14	battle	1	enemy	ī	he	•	olu	•	Onned Dunes
1	blue		-			1	papa	1	walking
3	boy	160	fight		İ	1	patriotic		war .
	brave	40	fighter	1	is	1	poor powder		warring warrior
1	bride	10	fighting fights	Я	killed	1	powder		word
1	cadet		flag	•		1	sad		work
	camp	1	for	1	leg		save	1	working
	cannon	_				17	shoot		worries
	captain citizen	1	general	95	man march	4	shot stab		worry worth
	command	1	German go		marches		stand		wound
	comrades	5	good		marching	ĩ	star		wounded
1	country	1	great	3	men	32	straight	2	write
1	cruel	1	grows	2 2	money	8	strong	•	
				2	musket	0	suit	3	young
				47.	CABBAC	ΞE			
1	apples	9	eating	47	head	1	peeling	1	sick
	ate		_	1	heart	27	peeling plant pork	6	smell soup
			farm		house	2	pork	31	soup
ļ	bad		field fine	1	hungry	1	pot		sour spareribs
1	big boiled		food	1	Y		potatoes pumpkin		spoiled
	bugs		fresh		it	-	pumpan		stewed
1	bread	1	froze	_	_	13	rabbit		strong
•		1	fruit	2	kraut		rabbits	,1	stump
	carrot cellar	1	garbage	1	lazy		raw roots		supper sweet
42	cook		garden	ģ	leaf	3	rotten		Sweet
13	cooking	40	grood	62	leaves		round		vegetable
	-	21	green grow	1	lettuce	-		34	vegetables
	did	1/	grow growing	1	like	· '	salad sauce	1	well
11	dinner		grows	4	nice	î	saucer	ģ	white
193	eat		8			34	sauerkraut		worm
1	catables	3	hard	3	patch	1	scent		
						2	sell	1	yard
				_					
				4	8. HARD	,			
13	apple	1	can't	4	hand	1	pound	1	strong
	apples	2	cement	10	heavy	1	press		stuck
_			chair	3	house	1	pudding	1	sweep
	bad		chalk chosen	2	hurt	1	radiator	1	tack
	baked ball		chun k	33	ice		ring		test
	bard		coal		ice-cream	1	road		that
1	bat	1	cracked		iron	92	rock	1	there
1	bed	9	crust				rocks		thick
5 2	big		danle	1	jelly	20	rocky rough		thing throw
2	bite black	13	desk dirt	4	lard		rub	7	tough
	board		do	1	log				
1	bone		door	1	look		sharp	1	very
1	bones			3	lump	1	sidewalk	_	
39	bread		earth	,	man	25	slippery smooth	1	was water
∠8 1	break breakable	1	casy		Marie		Snow		water winter
•	CMERUIC			•		• •		•	

22 brick	1 fight	2 mean		30 wood
1 bricks	54 floor		65 soft 17 solid	l word
1 bumpy	1 frozen	3 nut	17 solid 1 sore	89 work 1 worker
1 butter	4 glass	1 old	1 sort	2 working
1 cake	1 good		1 sound	1 worry
1 can	51 ground	4 packed	4 stiff	
48 candy		1 plate 2 play	113 stone	
		2 play		
		49. EAGLE		
			•	
1 air 19 American	3 cloud 1 condor	3 gray	9 mean 1 miegle	1 small 1 soar
1 angry	1 coward	2 head	35 mountain	1 steal
6 animal		1 hen hawk		1 strength
	1 dog	6 high	1 name	30 strong
11 baby 1 banner	6 eat	1 imagination	18 nest	1 swift 1 swoop
2 beak	1 eggs	1 insect	2 owl	1 5woop
2 beast	l emblem	1 insects		1 talons
1 beater	1 eyes	1 invisible	1 play 2 pretty	1 teeth 3 thief
52 big 2 bill	9 feather	1 kidnap	2 picity	1 took
373 bird	28 feathers	1 kill	1 reagle	
2 birds	1 fierce	1 king	1 robber	4 United States
3 bite 6 black	2 flag 1 flew	1 lamb	2 run	2 warbird
1 bregle	26 flies	19 large	1 savage	1 white
	120 Hy	1 lodge	2 scratch	43 wing
1 chicken 1 child	10 flying	3 mad	1 seven 2 show	49 wings 1 work
30 claws	1 gander	3 man	1 size	1 wrong
1 cliff	1 good		1 slide	
		50. STOMAC	H	
189 ache	2 cramps	1 grind	1 meal	22 sore
3 aches	2 Clamps	1 grow	2 mean	1 sound
1 apples	8 digest	1 guts	1 meat	3 sour
1 ate	1 digestion 1 dinner	1 had	1 milk 1 music	l steak 1 stick
13 bad	1 doctor	1 hammock	1 music	1 stone
1 ball	1 drouth	3 hard	1 name	1 stumble
48 belly	21.	7 healthy 21 heart	4	1 swallow
1 belt 3 big	2 each 108 eat	1 heavy	1 out	3 throat
2 bladder	1 eatable	1 hill	18 pain	1 tomato
2 blood	16 eating	6 hungry	1 people	2 treat
78 body 2 bones	1 eats 5 empty	23 hurt 5 hurts	1 person	1 tripe
1 born	э стріў	Julis	10 poor 1 pudding	11 trouble 1 tube
4 bowels	1 fall	1 I		
9 boy 3 bread	1 false	5 indigestion 9 inside	1 rice	1
3 bread 3 breast	16 fat 1 feed	6 insides	1 ring 1 rock	1 veins 1 velvet
2 breathe	2 feeling	1 intestine	1 rotten	1 vital
1 brick	1 feet		3 round	
1 candy	1 felt 2 flesh	4 kidney	i see	1 warm 1 water
4 care	82 food	1 lazy	1 short	15 weak
4 chest	1 for food	1 light	85 sick	1 well
2 clean 1 close	19 full	1 little	1 sickness	3 white
1 cold	1 garhage	1 liver 1 lumic	13 skin 1 soft	1 wood
-	23 good	6 lungs	•	
		51. STEM		
25 apple	15 corn	1 hard	1 pick	1 string
	1 crooked	1 have	1 pin 42 pipe	1 strong
l bad	41 cut	1 hold	42 pipe	1 sugar
l beginning l bend	1 down	1 holds 3 hollow	25 plant 1 plants	1 system
1 bent			1 point	5 tall
1 berries 14 big	I earth	14 juicy	_	I them
1 bitter	1 eating 8 end	1 large	1 red 2 reed	1 thick 11 thin
	- chu	1 MIRC	# 10ca	11

1	black			11	leaf	13	root	1	top
î	blossom	1 fi	irm	î	leaves	3	rose	35	tree
1	boat	1 fi 367 fl	ower	3	letter	1	roses	1	trees
1	body	80 ti	lowers	3	lily	1	rough	1	trunk
1	bone bough	1 f	roze		limb long	1	rubber	y	twig
16	branch	1 5	ruit	1	look	4	short	1	vine
ī	broke		- 4		lots	6	slender	•	*****
		1 g	ray			3	slim	8	weed
1	brown	1 g	rass		paint		small	1	white
1	buds burn	40 g	reen round	1	paper part		sort stalk		wide wood
•	burn	9 8	row	î	paste		stand	•	WOOd
1	came		rowing	ï	pen		stick		
1	cord	1 g	rows		pencil	2	straight		
				5	2. LAMP				
1	bedtime	1 c	eiling		gas	1	lantern	4	shade
3	big		himney	50	glass	648	light		shine
1	blaze	1 c	olor	5	globe	4	lights	1	sleep
1	blow	1 c	ommand	3	good		_		small
1	blue box	1 4			hanning		nice		smoke
3	br eak		lamp lark	i	hanging hard	0	night	1	stamp street
8	bright		lesk		have	38	oil	•	317000
1	broke		lown	10	home	ĩ	oily	1	tipped
_1	bro ken			1	hook	3	out		
70	burn		xploded		•.				white
	burns burning	1 e:	xplosion	1	is	1	pretty		wick
10	animing	22 fi	ire	4	kerosene	1	red	•	wool
1	camp	9 fi	ires	i	kitchen	•		1	yellow
1	cat	3 fl	lame			3	see		
				53	B. DREAM				
2	about	1 c	ry	1	happened	3	picture	1	talk
6	afraid				happy		pictures		tell
1	alas		ark		hear		pleasant		thing
2	Alice	1 d		2	her	1	position		things
1	angel angels	1 d 3 d	lies		horses house	1	pretty	30	think thinking
î	animal	i d	oll	•	nouse	1	quiet		thought
7	asleep	1 d	oze	1	imagination	_	•	ĩ	thoughts
5	awake		reaming	8	imagine		rats		train
4	awful		reamland				ream	1	true
2	baby		reamt		lady		robbers		naad
31	bad		resses rowsy		lake laugh		rose	1	used
ī	bear			î	lessons	1	Santa	4	vision
1	bears		airies	1	like	1	scared		visions
20	beautiful		airy		lions		school		
78 1	bed		airyland	3	long	1	scream		war
i	bedtime bird	4 fi	erce ight	Q	man		see sister		was water
î	boat	4 fi	gut		mare	272	sleep		water
ì	book	i fi	lowers		mine	- 8	sleeping		what
6	boy	3 f	un		money	1	sleepy	2	window
1	burgla r	13 ft	unny			4	something	5	wonder
1		4 g	t	1	never	1	spirit	4	wonderful
1	can car		host irl	260	nice night		stories story	1	wondrous
1	cat		leam	200	nightmare		strange	1	yell
ī	children	20 g	ood	ĭ	noise		sweet	-	•
1	cream	·			nothing				
				54	YELLOW	,			
3	apple	1 c	nat		golden		nice	1	ruler
•	-ppro	i c	orn		goldenrod				
1	ball	320 c	olor	1	good	81	orange		saffron
11	banana	1 c	olored	9	green	1	oranges	1	sea
1	beautiful		olors	~	1	24	!		shine
1	bed biovele	1 c	ream		hair hair ribbon	21	paint pale		silk skin
4	bicycl e bird	4 4	laisy	1	hall	i	pare pants		spelling
ĭ	black		landelion	-	hat		paper		stars
1	blossom		lark		honey		peach	1	suit

3 blue 3 book 1 box 30 bright 1 brother 3 brown 8 butter 1 buttercup 7 butterfly 4 cake 1 canary 1 Carlo 1 clock 8 cloth	1 dish 1 do 1 draw 129 dress 1 egg 1 fellow 1 fever 1 fire 105 flower 1 girl 1 globe 1 gold	3 house 1 I 1 is 1 Japan 1 lantern 1 leaf 13 lemon 59 light 1 mellow 1 money	1 peaches 1 peanut 9 pencil 1 pillow 1 pilnk 1 plant 14 pretty 1 pumpkin 1 race 7 red 1 rellow 7 ribbon 1 river 1 rose	1 sulphur 5 sun 5 sunflower 1 tulips 1 very 4 waist 5 white 1 woodwork 1 yeast 1 yellowish
1 -11	•		1 114.	•
1 all gone 2 ate 1 bad 13 bake 9 baked 1 baker 9 baking 1 Belgium 3 biscuit 1 black 1 brown 1 burn 68 butter 3 cake 2 coffee 3 cook 1 crisp	1 crumb 8 crumbs 3 crust 1 cut 1 daily 1 dead 3 dinner 80 dough 1 dry 356 eat 1 eatables 14 eating 1 eats 1 five cents 95 flour 37 food 1 fried	1 fresh 1 ginger 90 good 4 grain 1 hair 11 hard 1 have 1 homemade 1 honey 3 hungry 1 it 5 jelly 1 kind 3 kneed 2 knife	1 life 1 light 1 like 10 loaf 1 loaves 1 lot 3 made 5 make 2 meal 1 milk 1 mother 1 oatmeal 1 oven 1 piece 1 pudding 1 rabbit	1 raisin 13 rye 1 said 3 salt 1 sandwich 17 slice 9 soft 5 stale 1 strength 1 supper 3 sweet 1 taste 1 Tip Top 1 use 1 Wanda 7 wheat
				48 white
		56. FLAG		
33 America 95 American 1 any 5 army 1 bag 38 banner 1 battle 1 beautiful 15 big 1 birthday 1 blow 28 blue 2 brave 3 bright 1 carry 1 cling 34 cloth 25 color 1 colored 88 colors 1 continent 121 country	2 drill 1 English 1 fell 4 fly 1 flying 6 free 2 French 3 German 1 Germany 6 good 2 goods 1 green 1 hag 3 high 1 hold 1 hurrah 1 Irish 6 July	1 knew 1 lag 1 land 1 language 1 liberty 1 lines 2 love 1 make 2 man 2 march 15 nation 2 nationality 2 native 1 navy 4 nice 2 our 2 ours 2 play 38 pole	1 Polish 2 post 14 pretty 1 proud 5 rag 1 raised 94 red 1 red & white 19 red, white 2 school 1 shine 1 signal 3 silk 2 soldier 2 soldiers 1 staff 5 star 36 stars	1 stars & stripes 3 state 1 stick 9 stripe 1 striped 26 stripes 1 Swede 1 sword 1 tag 1 train 1 truth 19 United States 1 war 62 wave 39 waves 11 wavy 1 way 1 we 5 white 1 window
1 active 1 afraid 6 baby 36 bad 55 ball 1 bean 1 being 1 bicycle 9 big	1 ear 1 eat 2 errand 2 eyes 2 face 1 fat 2 feet 11 fight 2 fighting	2 health 1 hearted 1 height 1 help 1 home 1 horse 3 human 1 hungry	7 mean 1 mouth 1 myself 2 name 9 naughty 3 necktie 1 negro 17 nice 1 nightmare	3 shirt 8 shoes I shout 1 sister 25 skate 2 skates 1 skating I ski 1 skuil 9 small

2	blue	1	fights	1	John	1	no	6	snowball
1	body	1	fish	1	jump Junior			4	son
1	boyhood	1	fishng	1	Junior	63	pants	1	store
3	boys		football foy	10	kid	26	people	7	strong suit
2	brave bright		frank	10	killed	84	person play		suit swim
ĩ	brother		fun		kites	i	playful	-	5 W 1111
ī	bum	1	funny			3	plays	2	tie
		_			lad	1	poor		toe
53	cap child	2	games		large	1	pretty		toes
	children	32	gentleman girl	i	laugh lazy	1	quick	1	toy trouble
i	clean	1	girls	3	leg	•	quick		trousers
9	clothes	1	go	1	like	1	race		
	coat		good		limbs	1	read	1	Vivian
1	color	1 2	grocery		little living	1	red	2	. •
1	cows creature		grow growing	i	loy		rich romp		waist wagon
•	cicatuic	•	STOWING		luck	18	rough	1	walk
1	darkey		hair			1	Roy		walked
2	dirty	1	haircut	4	mad	18	run .	1	wear
1	do	1	happy hard	4	male man	3	running	14	whistle
1	driving drum		hat		man marbles	3	runs	29	work
*	di uni		he	ĭ	master	11	school	4	young
1	eager	7	head	2	me		see	-	,
	_			E .	8. LIGH	т			
_									
1 5	Aladdin air	67 1		1	headlight heaven	1	noon-day		star
3	air		daytime dirt	4	heaven	1	oil	1	stone store
1	baby		dog		help			2	strong
1	barn		dress	1	home		outside	2	suit
1	beautiful	_		9	house			29	sun
1	bird black		easy electric		is	4		1	sunny
1	blaze		enough	1	18	1	penny pin	1	thought
i	book	Ž	eyes	1	kerosene	Ž	pretty		to-day
1	boy					3	poor	1	tower
.1	bread		fair	251	lamp	_	•	_	
74	bright	10	feather	2	late		radiant	1	up
5	brighter burn	19	fire flame	i	lighting lights	5	read red		us
ĭ	burned	î	flash	i	like		room	1	walk
4	burning	1	flowers	4	look			3	want
							sec	. 2	warm
2 5	candle clear	64	gas		man match	1 2	seen	17	white
1	coal	1	glad glass		matches		shade sharp	12	window windows
	color	47	good		mean	30	shine	4	work
1	complexion	1	grate	2	might	2	shines	2	write
1	cotton			4	moon	3	shining	1	writing
00	dark	5 1	hair hall	6	morning	2	ship	9	11
	dark		hard	4	nice	2	shone sky	9	yellow yes
•	44 11 11	-			night	4	soft		<i>y</i> c <i>a</i>
				E (. LAUG	u			
_		•						_	
3	ache aloud	2	enjoy enjoying		hard hearty		man me	5	smiling sober
ĭ		i	easy	ī	hiccough	20	merry		something
	u. waya				niceough	1	monkey	ĭ	squeak
7	baby	7	face	7	joke	4	mouth	35	sweet
14	boy	2	fine	-1	jokes jolly			_	
	boys	138	fun	50	iona	3	noise		talk
1	burst	9/	funny	33	joy joyful	1	people		talked teeth
1	calling	1	gay	-	joyrui	i		î	tickle
1	cat _	22	giggle		lady	1			tickled
1	chatter	33	girl	3	laughed	2			time
2	cherry	1	girls	2 7	laughing		C	_	
27 1	children clown	26 3	glad gladness	í	laughter like	1		1	weak wide
i	comical	ĭ	glee		lips	2		i	wide with
i	cough	9	good	2	long	1	shout	5	woman
1	crazy	3	gun	1	lot	2	show	1	women
1	crow	10	ha h-	38	loud	1 2	sideache	1	wrong
14	cry		ha ha happiness	1	lumber	1	silly sing	6	you
2	do	78	happy	1	makes	15Ô	smile	U	you
				_					

60. BIBLE

2 angel 1 angels 3 believe 5 big 4 black 1 blessed 2 blue 224 book 1 burnt 1 carry 1 catechism 2 Catholic 3 chapter 22 Christ 10 Christian 110 church 2 church book 1 class 1 comment	1 create 1 cries 2 cross 1 dear 1 dog 1 faith 3 faithful 2 Genesis 124 God 1 God's word 20 good 2 gospel 1 have 1 heaven 38 history 68 holy 3 holy book 2 house	1 hymns 1 Jacob 1 James 36 Jesus 7 learn 1 learned 3 lesson 1 liar 2 lible 17 Lord 1 mamma 2 marble 1 mine 4 minister 2 new 2 nice 1 old	1 page 1 poetry 25 pray 6 prayer 1 prayer book 5 prayers 5 preach 1 pretty 4 priest 1 prose 1 pailms 116 read 6 reading 4 religion 1 Sabbath 1 save 4 scripture 1 solemn 3 stories 4 story	7 study 11 Sunday 1 swear 1 sweet 4 teach 1 teaches 1 tells 5 Testament 1 text 3 think 3 true 3 truth 4 verse 5 verses 5 words 2 world 1 write
		01 MII V		
47 baby 1 bitter 10 bottle 2 boy 3 bread 3 breakfast butter 1 can 10 cat 7 coffee 4 cold 1 cook 280 cow 7 cows	27 cream 1 cup 4 drank 360 drink 3 drinking 1 drinks 1 dry 2 cat 4 farm 1 fat 1 food 1 fresh	fl. MILK 1 glass 1 goat 25 good 1 have 1 hot 1 ice 1 impure 1 ilk 2 kitty 3 like 9 liquid	1 little 1 maid 1 milked 1 milked 1 milkman 1 nice 1 pail 1 pailful 2 pure 1 sick 2 silk 1 song	26 sour 1 spill 1 sugar 1 swallow 25 sweet 1 toast 1 thin 4 warm 8 water 91 white
		62. SHEEP		
1 afraid 117 animal 1 animals 1 ate 2 baa 6 baby 1 beast 3 bed 2 bell 7 big 6 black 7 bleat 1 bones 1 boy 1 brick 1 buy 3 catch 11 cattle 1 child 1 clean 3 cloth 1 clothes 1 coat	1 cool 8 country 2 cover 1 cows 1 cunning 1 deep 1 did 4 dog 3 eat 1 eyes 2 face 9 farm 1 feed 1 feed 1 field 4 fleece 1 fleet 29 flock 1 flocks 1 frisky 11 fur	1 garden 4 goat 3 goats 1 good 3 grass 1 gun 1 has 1 have 1 heap 1 herbs 10 herd 1 herding 1 herdsman 1 here 1 kept 1 lady 79 lamb 1 lambkins 29 lambs 3 leap 1 like 1 little	1 live 1 lost 1 lot 1 lots 1 man 5 many 6 meadow 3 meat 2 milk 1 money 9 mutton 1 my 6 nice 1 old 3 paper 16 pasture 1 pet 1 pet 1 poor 1 pretty	1 ram 1 range 2 run 1 sewing 3 shear 32 shepherd 1 shepherds 7 skin 1 slip 1 steak 1 stock 1 track 1 walk 1 walk 1 waked 1 wash 57 white 411 wool 1 woolen 1 woolly
13 baby 1 baby's 1 ball 27 bathe 2 bathed 1 bathhouse	1 cleanliness 10 cold 1 cool 2 dirt 9 dirty	fa. BATH I have I healthy I here 2 home Hot I house	1 person 1 pours 1 river 1 robe 4 room	3 take 1 toilet 4 took 6 towel 131 tub

3	bathing	1	door			1	run	1	wade
1	bathroom	1	dress		last			10	Warm
4	bathtub bird	1	fresh	7	like little	20	Saturday scrub		wash washing
î	body	i			lot		shower		washtub
	boy		fire			1	sink	295	water
	boys				naked	8	soap	1	week
1	but	11	girl		naughty neck	1	splash swim	2	yesterday
1	camp	- 15	good had	7	nice		swimming	_	yesiciday.
192	clean	ĭ	happy	•		•	011.11111111111111111111111111111111111		
				64.	COTTAC	E.			
			out.	70	live	,	3		
1	age	1	cute	19	lived	1	red rent	1	swimming
1	bad	1	dirty		lives	1	residence	2	take
4	big	1	door	1	log	1	river	_	
1	blotch	2	farm	1	man	1	roof room	3	village
1 3	brown bungalow		father	i	matey	2	root	4	warm
1	burnt		funny		-	ī	run	i	we
1	buy	_			neighbors			1	
	anen at	2	good		news nice		school		wife
i	carpet chair	101	home	12	mee	i	sea shack		window women
	cheese	1	hot	1	paint	1	shanty	17	wood
1	children	425	house	1	paper		shelter	2	wooden
	clean comfortable	9	hut		plain	1	shoot		woods
	cot	1	ladv	3	poor porch	36	sleep small	1	work
6	country	117	lady lake	ī	pretty	2	snug	1	yard
5	cozy	34	little			.3	stove		
				1	rain	14	summer		
					e cuiet				
				0	5. SWIFT				
	actor	2	care		goes	10	quick		Santa
	air		car cars	3	going	1	quite		see skate
	auto		company	1	Hiawatha	1	rabbit		sled
	automobile	11	current	124	Hiawatha horse	11	race	1	slight
			1.	3	horses	1	raise	28	slow
5	baby ball		deer drive		hose hurry	1	ran read	4	speed stream
2	baseball	•	dire	7	Hully	4	reindeer		Stream
1	beat	1	engine	1	kick	1	ride		threw
3 2	bicycle		falls		lard	1	rider	1	time
1	bird birds	391	fast		legs		riding ring	15	to train
3	boat	7	feet	2	lift	14	river rough	.,	114111
1	boy	1	firehorses	_	_	1	rough	3	wagon
1	breath	1	fleet		meal motor	202	round run	8	water
1	bring broom		fly foot		mouse		runner	3	went wind
	bullet		footed	_			running	1	work
					nest	1	runs		
1	can	4	go	1	not			1	you
					o Dilir				
				6	6. BLUE				
3	air	1	boy		flower		light blue	1	sea
1	any	1	bread	1	fly		line	1	silver
1	apron		bright brown	1	forgetmeno	t 1	mark	1	sister skirt
1	bad	1	brown	1	globe	i	match	102	sky
	bag	1	circus		good		mew	2	stick
2	ball	1	clean	1	goods	^		3	sticky
	balloon		cloth	1	green	2	navy nice	12	stocking suit
1	bean flower beautiful		clothes coat		hard				sweater
1	beauty	318	color		hat	22	paint		
1	hell	ĩ	crew	3	high	6	paper	6	true
4	hig		11	2	horn	3	paste pastry		
	bird black		dark dirty	9	house	10	pastry pencil	1	very
	blood		draw	1	ĭ	2	Dicture	1	violet
	blossom	173	dress		ink	15	pretty		
						2	sad		waist
								J	water

1 blow 1 blue bird 1 blue jay	1 dresses	1 it 4 jacket	1 printing 1 purple	1 whistle 1 wild 34 wind
6 bluing 1 boat	1 eyes	2 jay	21 red 1 red, white &	1 windy 1 writing
1 boo	1 fair	1 lake	blu 2 ribbon	
l book l box	1 fast 82 flag	1 lamp 5 light	1 round	1 yellow
		67. HUNGRY	•	
5 am 1 angry	1 cooky	1 hear 3 home	1 pangs 1 pantry	1 table 1 taste
3 appetite	1 die	1 horse	1 peace	I tasty
l apple	24 dinner	1 house	1 people	1 terrible
1 apples 3 ate	14 dog 1 dogs	5 hunger	1 person 1 pity	1 than 1 thin
1 awfully	1 doughnut	3 I	1 plant	1 thirst
14 haba	11 drink	2 is	18 poor	13 thirsty 1 time
14 baby 2 bad	1 dry	1 jam	1 potato 2 potatoes	3 tired
1 bad feeli ng	337 eat	-		1 too
3 bear 3 beggar	1 eatable 5 eating	1 lamb 1 lion	1 rabbit 2 robin	1 tramp
3 beggar 1 Belgian	1 eats	1 little	2 100111	3 very
1 belly	3 empty	1 lunch	1 satisfied	
2 bite 1 black	1 eyes	9 man	1 school 1 sea	1 wait 6 want
12 boy	1 face	1 meals	12 sick	1 wants
2 boys	1 faint	20 meat	1 sit	2 wanting
173 bread 1 breakfast	1 famine 1 feast	1 men 1 milk	1 small 1 sober	1 war 1 warm
1 DICARIAGE	1 feed	1 minstrel	2 something	1 was
1 cake	1 fight	1 mouth	1 starvation	l water l weak
1 candy 2 cat	55 food 1 fox	1 need	47 starve 6 starved	3 wolf
2 chicken		1 neighbor	44 starving	1 woman
2 children 2 coffee	1 German 7 girl	3 noon 2 nothing	3 stomach	1 work
2 coffee 1 cold	7 girl 9 good	4 now	1 sugar 1 supper	1 yellow
1 cook		1 oatmeal	1 sweet	2 yes
1 cookies	2 head	1 Oatmeai		1 you
		68. PRIEST	55 1 .	
4 altar	1 death 1 demon	1 kill him	57 preacher 1 preaches	1 speaker 1 speaking
1 back	1 died	15 learn	3 preaching	
1 baptize		1 letter		3 speech 16 Sunday 1 Swede
1 beads 21 Bible	1 east	69 man	1 read 2 reading	1 Swede
1 big	8 father	1 marriage	1 religion	2 talk
1 bishop 1 blackeloak	1 flock 1 fold	5 married 2 marry	1 religious 1 reverend	1 talks 4 teach
1 blackeloak 2 book	1 fold 1 folded	2 marry 12 mass	1 reverend 1 rich	2 teacher
1 brother	1 friar	2 master	1 robe	1 tear
1 bunk	25 God	168 minister	1 robes	1 there 1 think
1 candles	27 good	3 paper	1 said	1
1 carpet	9 gospel	9 pastor	1 school	l wagon
1 cathedral 111 Catholic	1 great	1 people 17 pray	4 sermon 1 serves	1 ward 2 wedding
1 Christ	1 healthy	1 prayers	1 service	1 where
271 church	13 heaven	2 praying 2 prays	1 shirt	1 white
1 church man 1 collar	5 holy 1 home	2 prays 41 preach	1 singing 5 speak	1 wife 1 worship
		69. OCEAN		
2 across 7 Atlantic	2 fish 1 flow	1 over	I salty	1 the
7 Atlantic	1 flow	3 Pacific	1 saw 88 sea	1 Titanic
2 beach	1 good	5 pearls	1 seas	1 war
1 beautiful 42 big	1 hear	1 pilgrims	l seal 1 seals	413 water 8 wave
7 blue	1 NCSI	1 riches	1 shell	88 waves
34 boat	1 iceberg	1 ride	43 ship	1 wavy

20 boats			36 river	36 ships	1 were
1 calm		lake lands	3 roar 5 rough	1 shore 1 sky	l whale l whales
1 coast	4	large	5 rough 1 round	1 sponge	1 wharf
	4	liner		1 steamboat	35 wide
23 deep		37 - 37 - 1	3 sail	11 steamer	1 wild
1 dip 14 drown	1	New York	1 sails 6 salt	1 steamship 1 swift	
1 drowne	d 1	on	1 saltwater	2 swim	
			70. HEAD		
22 ache	1	dead	3 headache	12 nose	1 sore
13 aches	i	dog	2 hear	1 nut	1 sparrow
1 aching	3	doll	1 hog		
1 army	2	ear	2 horse 1 human	3 off 1 on	5 talk 1 talker
1 band		ears	1 numan	1 011	2 teeth
1 ball	1	eat	1 it	1 part	1 there
1 bed 15 big		elephant	2 large	3 people 5 person	59 think 2 thinking
15 big 1 bird		eye eyes	2 large 5 lead	5 person	1 thinks
1 black			2 learn	1 quarters	6 thought
1 blood 26 body		face fat	1 light 2 listen	1 =04	1 top
1 bone	1		4 little	l red 1 rough	1 up
3 boy		fish		58 round	3 use
2 braid		fist	1 made	•	
25 brain 137 brains		forehead funny	10 man 3 memory	1 sausage 3 scalp	1 veins
1 bumps	•		46 mind	1 school	1 warm
- 11	1	girl,	1 mine	8 see	I were
6 cabbage 2 captain		good grant	9 mouth 1 move	2 sense 1 sings	1 white
1 chest	1	grant	1 my	14 skull	1 yours
8 chicken	203	hair		1 sleep	-
1 clean 1 cloth	1 3		2 nails 2 neck	9 small 1 smiles	1 zebra
1 comb		hat	1 nerve	1 soft	
3 cut		hats	1 nerves		
			71. STOVE		
1 bake	3	cooking	71. STOVE	1 log	1 rat
1 baking		_	1 hair 3 hard	1 log 1 love	1 red
1 baking 5 big		cooking damper	1 hair 3 hard 117 heat	1 love	
1 baking	1	_	1 hair 3 hard 117 heat 3 heater	1 love 1 match	1 red 1 rusty
1 baking 5 big 37 black 1 blue 1 broken	1	damper exploded	1 hair 3 hard 117 heat 3 heater 1 home 200 hot	1 love 1 match 1 move	1 red 1 rusty 2 smoke
1 baking 5 big 37 black 1 blue 1 broken 103 burn	1 1	damper exploded fill	1 hair 3 hard 117 heat 3 heater 1 home	1 love 1 match 1 move 1 nice	1 red 1 rusty
1 baking 5 big 37 black 1 blue 1 broken	1 1 1 1 164	damper exploded fill fire	1 hair 3 hard 117 heat 3 heater 1 home 200 hot	1 love 1 match 1 move	1 red 1 rusty 2 smoke 8 use
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns	1 1 1 164 2	damper exploded fill fire fry	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron	1 love 1 match 1 move 1 nice	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne	1 1 1 164 2	damper exploded fill fire fry	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house	1 love 1 match 1 move 1 nice 1 nickel 2 oven	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke	1 1 1 164 2 y 1 1	damper exploded fill fire fry gas girl	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold	1 1 1 164 2 7 1 1	damper exploded fill fire fry	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid	1 love 1 match 1 move 1 nice 1 nickel 2 oven	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke	1 1 1 164 2 7 1 1	damper exploded fill fire fry gas girl going	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold	1 1 1 164 2 7 1 1	damper exploded fill fire fry gas girl going	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook	1 1 1 164 2 7 1 1 1 1 1	damper exploded fill fire fre fry gas girl going good	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook	1 1 1 1 1 1 1 2 7 1 1 1 1 1 1 1 1 1	damper exploded fill fire fre fry gas girl going good	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 hid 1 little 72. LONG 1 lange 7 large	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good engine eraser every	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coal 2 cook 2 ago 1 arrow 4 away 1 bad	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl good engine eraser every face	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 90	damper exploded fill fire fry gas girl going good engine eraser every	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin
1 baking 5 big 37 black 1 blue 1 broken 103 burns 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good engine eraser every face far feet field	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rough	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 blaze	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas going good engine eraser every face far feet field figure	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 hid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rough 1 rug	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing 1 thong
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coal 2 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 black 1 blace 9 block	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas going good engine eraser every face far feet field figure find finger	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 hid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome 2 longer 1 long for	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rough	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing
1 baking 5 big 37 black 1 blue 1 broken 103 burn 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 blaze	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good engine eraser every face far feet field finger find finger fingers	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome 2 longer	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rough 1 rug 6 ruler 1 sad	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing 1 thought 1 thread 41 time
1 baking 5 big 37 black 1 blue 1 broken 103 burns 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 black 1 black 1 black 1 board 4 boat	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good engine eraser every face far feet field figure find finger fingers fish	1 hair 3 hard 117 heat 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome 2 longer 1 long for 1 lots	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rug 6 ruler 1 sad 3 school	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing 1 though 1 thread 41 time 1 Tipperary
1 baking 5 big 37 black 1 blue 1 broken 103 burns 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 blaze 9 block 11 board 4 boat 1 cabin	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good engine eraser every face far feet field finger find finger fingers	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 hid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome 2 longer 1 long for	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rough 1 rug 6 ruler 1 sad	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing 1 thought 1 thread 41 time 1 Tipperary 2 tiresome 5 train
1 baking 5 big 37 black 1 blue 1 broken 103 burns 8 burning 6 burns 1 chimne 16 coal 1 coke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 blace 9 block 11 board 4 boat 1 cabin 2 cakes 1 car	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl going good engine eraser every face far feet field figure find finger fingers fish flat floor flower	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 hid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome 2 longer 1 long for 1 lots 7 man 1 mane 1 measure	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rough 1 rug 6 ruler 1 sad 3 school 1 see 1 shirt 45 short	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing 1 thought 1 thread 41 time 1 Tipperary 2 tiresome 5 train 1 tree
1 baking 5 big 37 black 1 blue 1 broken 103 burns 6 burns 1 chimne 16 coal 1 cooke 7 cold 62 cook 2 ago 1 arrow 4 away 1 bad 55 big 1 bird 1 black 1 blaze 9 block 11 board 4 boat 1 cabin 2 cakes	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	damper exploded fill fire fry gas girl good engine eraser every face far feet field figure find finger find finger fingers fish flat floor	1 hair 3 hard 117 heat 3 heater 1 home 200 hot 1 house 45 iron 1 kitchen 2 legs 1 lid 1 little 72. LONG 1 lanky 7 large 7 legs 25 length 2 lengthy 1 lesson 3 line 1 log 1 lonesome 2 longer 1 long 1 long 7 man 1 mane	1 love 1 match 1 move 1 nice 1 nickel 2 oven 1 paper 12 pipe 6 polish 5 range 1 read 12 ribbon 6 ride 9 river 4 road 4 room 26 rope 1 rug 6 ruler 1 sad 3 school 1 see 1 shirt	1 red 1 rusty 2 smoke 8 use 127 warm 8 warmth 1 went 5 winter 11 wood 1 world 2 table 1 tail 1 tale 33 tall 1 telephone 1 ten 2 thin 3 thing 1 thought 1 thread 41 time 1 Tipperary 2 tiresome 5 train

1 change				
	1 go	1 mirrors	6 skinny	1 verse
1 child	1 goods		31 skirt	4 very
5 city	75 grass	2 narrow	1 skirts	1 visit
1 cloth	5 green	2 neck	13 slender	1 41316
10 coat	3 green	1 night		1 wagon
1 color	22 hair	1 noon	1 slim 2 slow	8 wait
	22 hair 1 hall	2 nose	1 small	1 waiting
	1 hard	2 Hose	2 spoles	
1 corn 1 cot	1 he	1 -1-1	3 snake 1 some	5 walk 1 wall
		i oblong		
1 court	1 heavy	1 off	1 sort	1 want
1 cut	6 high	1	1 spring	31 way
4 1-11-	1 hollow	1 page	4 stay	1 while
1 daddy	1 horse	2 paper	21 stick	12 wide
3 day	3 hour	1 path	2 store	4 width
1 deep	3 hours 2 house	7 pencil	4 stork	2 wish
1 desk	2 nouse	2 person	6 story	1 wood
6 distance		1 piece	3 straight	2 word
1 distant	1 it	2 pipe	1 stream	1 worm
1 door		8 pole	2 street	
42 dress	1 lake		48 string	3 yard
	1 lane	1 queer	2 swing	2 years
		** CHOCK		
		73. GHOST		
73 afraid	3 fairy	2 howling	1 party	2 silent
1 angel	1 fear		1 person	8 skeleton
1 animal	1 figure	1 image	18 play	1 small
	1 fool	2 imagine	1 post	36 spirit
6 bad	1 foolish		1 pretty	8 spook
1 believe	3 fright	3 killed		1 spooky
1 big	1 frighten		2 roast	1 story
1 bind	35 frightened	2 large	6 robber	-
1 bird	1 fun	24 lights	3 robbers	1 teacher
5 black	5 funny	1 like	4 run	2 Thanksgiving
1 blanket		1 look		1 think
1 bogies	1 good-night		1 saw	1 true
_		41 man	47 scare	
1 cemetery	88 Hallowe'en	6 mean	5 scarecrow	2 vision
1 creeps	1 haunt	2 men	39 scared	
-	1 haunted	2 moon	1 scares	364 white
28 dark	1 he ad	2 most	1 see	1 wig
23 dead	1 holler		2 shade	4 witch
1 devil	1 horrible	4 nice	7 shadow	1 woman
1 die	1 horrid	6 night	20 sheet	2 wood
	1 host	1 none	1 show	2 11000
1 faces	2 house	2 nothing	2 sight	1 you
				- 3
			_	
		74. WHISKEY		
1 abuse	1 bum	1 good	9 man	1 rum
1 acid	1 bum 1 burns	_	9 man 1 mean	1 rum 2 rye
1 acid 15 alcohol	1 burns	1 good 1 glass	9 man 1 mean 1 medicine	2 rye
1 acid	1 bum 1 burns 1 corn	1 good 1 glass 8 had	9 man 1 mean 1 medicine 31 men	2 rye 57 saloon
1 acid 15 alcohol 1 angry	1 burns 1 corn	1 good 1 glass 8 had 1 hard	9 man 1 mean 1 medicine	2 rye 57 saloon 9 sick
1 acid 15 alcohol 1 angry 41 bad	1 burns 1 corn 3 dope	1 good 1 glass 8 had 1 hard 1 hog	9 man 1 mean 1 medicine 31 men 1 much	2 rye
1 acid 15 alcohol 1 angry 41 bad 1 barley	1 burns 1 corn 3 dope 7 drank	1 good 1 glass 8 had 1 hard 1 hog 1 home	9 man 1 mean 1 medicine 31 men 1 much 1 name	2 rye 57 saloon 9 sick 10 strong
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel	1 burns 1 corn 3 dope 7 drank 279 drink	1 good 1 glass 8 had 1 hard 1 hog	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty	2 rye 57 saloon 9 sick 10 strong 1 tantalizing
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot	9 man 1 mean 1 medicine 31 men 1 much 1 name	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking	1 good 1 glass 8 had 1 hard 1 hog 1 home	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 1 drinking 2 drinks 138 drunk 13 drunkard	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 booze 1 booze 28 bottle	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunken	1 good 1 glass 8 had 1 hard 1 horg 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind 1 blue 9 booze 1 boozer 28 bottle 19 brandy	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunken	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 booze 1 booze 28 bottle	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunken	1 good 1 glass 8 had 1 hard 1 horg 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind 1 blue 9 booze 1 boozer 28 bottle 19 brandy	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunken	1 good 1 glass 8 had 1 hard 1 horg 1 horne 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquor	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild
1 acid 15 alcohol 1 angry 41 bad 1 barrey 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunken 1 fellow 1 firewater	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 1 drinking 2 drinks 138 drunk 13 drunkard 1 drunker 1 fellow 1 firewater	1 good 1 glass 8 had 1 hard 1 horg 1 horne 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquor	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild
1 acid 15 alcohol 1 angry 41 bad 1 barrey 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunker 1 fellow 1 firewater 1 dear 1 died	1 good 1 glass 8 had 1 hard 1 hog 1 horne 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquor 1 liquor 1 hurt	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 barndy 5 brown	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 1 drinking 2 drinks 138 drunk 13 drunkard 1 drunker 1 fellow 1 firewater	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 name 1 naughty	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 sister 1 sist years
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunker 1 fellow 1 firewater 1 dear 1 died 6 dress	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD 1 hurt 3 infant	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 nature 1 nature 1 nature 1 nice	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 bad	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunkard 1 fellow 1 firewater 1 dear 1 dear 1 died 6 dress 1 ear	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD 1 hurt 3 infant 5 kid	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 nature 1 naughty 7 nice 1 nicce	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 had 11 big	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunkard 1 fellow 1 firewater 1 dear 1 died 6 dress 1 ear 2 eat	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD 1 hurt 3 infant	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 nature 1 nature 1 nature 1 nice	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small 1 smart
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 booze 1 booze 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 bad 11 big 1 birth	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunkard 1 fellow 1 firewater 1 dear 1 dear 1 died 6 dress 1 ear	1 good 1 glass 8 had 1 hard 1 hog 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquor 1 liquor 1 hurt 3 infant 5 kid 1 kiss	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 nature 1 naughty 7 nice 1 nurse	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 bad 11 big 1 birth 26 born	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 1 drinks 138 drunk 13 drunkard 1 drunken 1 fellow 1 firewater 1 dear 1 died 6 dress 1 ear 2 eat 1 eyes	1 good 1 glass 8 had 1 hard 1 horg 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD 1 hurt 3 infant 5 kid 1 kiss 1 large	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 nature 1 naughty 7 nice 1 nicce	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small 1 smart
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 bad 11 big 1 birth 26 born 90 boy	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunkard 1 trunkard 1 fellow 1 firewater 1 dear 1 died 6 dress 1 ear 2 eat 1 eyes 1 feet	1 good 1 glass 8 had 1 hard 1 hog 1 horne 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquor 1 liquor 2 hurt 3 infant 5 kid 1 kiss 1 large 2 legs	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 naure 1 naughty 7 nice 1 niece 1 nurse 1 old	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small 1 smart 1 spirit 1 steal 1 stocking
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 bad 11 big 1 birth 26 born	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 1 drinks 138 drunk 13 drunkard 1 drunken 1 fellow 1 firewater 1 dear 1 died 6 dress 1 ear 2 eat 1 eyes	1 good 1 glass 8 had 1 hard 1 horg 1 home 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquors 75. CHILD 1 hurt 3 infant 5 kid 1 kiss 1 large	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 nature 1 naughty 7 nice 1 niece 1 nurse 1 old 1 people	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small 1 smart 1 spirit 1 steal
1 acid 15 alcohol 1 angry 41 bad 1 barley 1 barrel 108 beer 2 bitter 1 blind pig 1 blue 9 booze 1 boozer 28 bottle 19 brandy 5 brown 1 afraid 1 age 185 baby 18 bad 11 big 1 birth 26 born 90 boy	1 burns 1 corn 3 dope 7 drank 279 drink 1 drinker 12 drinking 2 drinks 138 drunk 13 drunkard 1 drunkard 1 trunkard 1 fellow 1 firewater 1 dear 1 died 6 dress 1 ear 2 eat 1 eyes 1 feet	1 good 1 glass 8 had 1 hard 1 hog 1 horne 1 hot 5 intoxicated 1 judge 1 like 24 liquid 97 liquor 1 liquor 1 liquor 2 hurt 3 infant 5 kid 1 kiss 1 large 2 legs	9 man 1 mean 1 medicine 31 men 1 much 1 name 2 nasty 2 nose 1 parents 1 play 1 poison 1 poor 1 rat 1 red 1 name 1 naure 1 naughty 7 nice 1 niece 1 nurse 1 old	2 rye 57 saloon 9 sick 10 strong 1 tantalizing 7 taste 1 temperance 1 tiger 1 tonic 8 water 1 wet 1 wild 7 wine 1 sickly 1 sister 1 six years 1 sleep 45 small 1 smart 1 spirit 1 steal 1 stocking

	5 friend	48 little	1 pile	1 strong
8 candy		3 lost	36 play	1 sturdy
94 children	1 get	8 love	2 playing	1 sweet
1 Christ 5 clean	93 girl 78 good	1 mad	4 plays	1 take
13 clothes	10 800d	1 mamma	11 poor 1 pretty	1 that
1 clothing	3 hair	5 man	1 pupil	
1 cold 1 creature	2 hand	1 meal	1	1 walk
1 creature 1 cries	1 hands 1 happy	2 mean 1 milk	1 ribbon 1 ride	l warm l well
21 cry	1 hat	1 mind	12 run	l while
1 crying	2 head	1 mine	2 running	1 white
5 cute	1 hid 1 hood	1 mischief 26 mother	2 runs	1 won't
1 dance	1 house	1 mothers	12 school	3 young
1 daughter	1 human	4 myself	1 scold	
1 dead	1 humor		1 sick	
		76 EDIENI		
		76. FRIENI	,	
1 acquaintance	2 dead	2 he	1 mates	1 red
1 acquainted	1 dear	1 help	1 mean	2 relation
1 afraid	1 death	1 hend	1 meet	4 relative
1 Alice 1 America	2 dog	1 him 1 horse	3 mine 1 money	1 rend 1 ring
1 Annie	1 Edith	1 hurt	4 mother	i Roy
1 August	1 Edna		I move	
4 aunt	1 Elson	1 Ida	1 Mrs.	3 school
2 bad	4 enemy 1 Evelyn	1 invite 1 Irish	6 my	4 schoolmate 1 see
1 bend	1 everyone	-	1 name	1 she
19 best	-	1 John	22 neighbor	1 ship
112 boy	1 father	1 killed	2 nephew	1 sick
3 boys 1 Brady	1 fellow 3 fight	6 kind	13 nice 1 no	1 sing 1 skin
3 brother	1 fire	2 kindness	1 nobody	1 smoke
	1 foe	8 know	1 now	1 some one
1 Carl 3 children	14 friends	11 lady	1	1 Abia
1 chick	4 friendship 2 fun	2 lend	1 over	1 this
98 chum		6 like	1 pal	1 visit
1 clean	1 gentleman	1 little	2 pals	1 visiting
1 Clifford 1 Clint	118 girl 1 girls	1 Louise 23 love	1 park	1 walk
10 companion	2 go	1 loved	2 partner 15 people	2 war
5 company	l gone	1 lovely	15 people 25 person 35 play	1 who
2 comrade	94 good	1 mad	35 play 2 playing	2 with
1 country 1 course	1 got	8 man	2 playing 35 playmate	1 women
66 cousin	1 happiness	4 marry	1 playmates	1 years
1 cousins	10 happy	1 Mary	1 plenty	8 you
1 cross	8 have	55 mate	1 pretty	1 your 2 yours
			1 Rea	2 yours
			-	
		77. HAMME	K	
1 axe	1 drive	2 knock	1 papa's	4 strong
			1 pieces	1 swings
1 baby	37 finger	1 lead 6 little	288 pound	1 tack
1 beat 1 big	1 good	5 loud	1 pounded 1 pounder	11 tool
1 blacks	•	1 lumber	1 pounder 28 pounding	3 tools
1 blacksmith	1 hand	11	4 pounds	2 1100
1 board 1 broken	9 handle 1 happy	1 make 1 manner	1 rammer	2 use
1 build	20 hard	1 man	1 rap	1 we
2 building	3 hatchet			7 wood
1 busted	1 have	218 nail	1 saw	2 work 1 works
1 carpenter	1 head 1 heavy	186 nails 1 new	1 slam 2 sledge	1 workshop
5 chop	32 hit	6 noise	1 smash	
1 club	4 house	1 noisy	2 sore	1 your
1 crack	2 hurt	2 nuts	1 square 1 steel	

1 ouch

62 iron

78. THIRSTY

2 ar 4 ar				milk mother	1	thirst throat tired
1 ba	aby 1	dog 1	home 3	parched	1	too
3 be	eer 4	drank 1	horse 1	рор		
1 bu	urning 364	drink 1 drinker 17	hot 1 hungry	pump	1	very
2 ca	amel 1	drinking		quench	8	want
2 ca 3 ch	at 132	dry 1		quenched		wash water
1 ch	hoke 1	filled	4	salt	2	weak
3 co	offe e 1	food 1	mad 1	starve	1	well
1 co	ooking	6	man		1	women would

				7	9. CITY				
	air automobile	1 3 86	corner council country	1	I inhabitants it	2	name New York noise	5	state store stores
1 124		1	crowd dark		July		oblong old		story story St. Paul
4 7 2	block blocks building	10	dirt down dust	4 5	lady lamp land	1 3		5	street streetcar streets
1	buildings burned burning burnt		eat folk		large lighted lights like	1	paving people place	1	table tired Toledo
	canal capital		fun	1 2	line little lity		president rat rest	110 1	town travel Turkey
2 2 11	car cat chair	1 3	going good	2	live lived lone	1 1 2	resting roads rocks	1	United U. S.
3 1 20	cheer church citizen	22	hill home horse	1	made majority		seat	2	village visit
	clean clothes coming		hospital house houses	2 218 10	man men Minneapolis Minnesota	1 1 1	sewer sidewalk sit	1 1 3 1	wagon wagons water we

80. SQUARE

					€				
1	acre arithmetic	83	corner		hole house		not not round	1	school schoolhouse
•		ĭ	cube					8	shape
	back	_		2	ice		oblong	1	sharp
	bear		deep	1	in .	1	one	1	shoulders
9	big	4	desk	29	inch			2	sides
1	bills	1	door		inches		paper	2	sidewalk
3	blackboard	1	draw	1	isn't	4	park	1	small
300	block		_	_		1	parts	1	50
4	blocks		edges	2	Jackson	2	perfect	1	soldiers
7	board	2	equal		_	4	picture	1	stand
	book	. 1	eraser		large	2	piece	1	steel
80	box	20	even	1	length	4	place	1	steeple
1	boy	7	exact	1	lengthwise	1	plank	30	straight
4	brick			1	letter	1	plate	1	sugar
1	Bridge		feet	1	level	3	play		-
1	buildin g	1	figure	4	line	1	plot	5	table
	-	3	flat	1	lines	1	public	1	that
1	cake	2	floor	1	log			6	thing
1	cakes	1	foot	17	long	1	right	1	tool
1	candy	3	four	3	lot	4	ring	1	town
1	cards	1	four-cornered			1	rock	1	triangle
1	case	1	fraction	1	make	1	rod		
1	carpet			1	map	6	room	2	walk
1	cell	2	game	1	market	35	round	1	while
2	chair	1	goods	1	mats	3	rug	12	
2	circle		~			8	ruler	3	wood
1	cloth	1	handkerchief	1	nice			_	
								5	yard

81. BUTTER

10 10 1 13 18 15 30 5	bad bread brown butterfly but cheap cheese churn cow cows cream creamery	1 1 3 122 2 1 1 1	dairy dandy dear dish eat eatable egg eggs farmer food fresh	5 1 2 8 1 1	goat good grease greasy hard high house I knife	1 1 3 47 1 1 1	love made man melt milk mutton nice on	1 1 5 8 5 1 3 4 1	syrup taste
1	cubes				like	1	pound		where yellow
				82	. DOCT	OR			•
7 1 1 9 1 1 1 6 3 1 1 1	auto baby bad bed bill bottle brother call care case cauterizer child come coming	24 2 1 2 1 1 1 40 7	cough cure dentist did examine family father find good heal healer heals	10 1 1 5 3 4 4 1 1 1 1	health help helper helper helpman helps home ill illness Johnson lawyer lay learn major mamma	136 2 2 2 1 13 13 1 6 6 1	man medicine men mother needed nice nurse office physician pills queer rain rich	1 448 34 3 1 1 1 1 1 4	satchel scar sick sickness sore tag day teeth tools treat treatment trouble visit was well
				8	3. LOU	D			
1 1 2 2 1 3 1 1 1 1 1 2 2 1 1 1 1 1 2 9 1 2 9 1	coarse color cried cry	1 1 1 7 7 7 7 7 1 1 1 1 1 1 2 7 7 2 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	heard hoarse holler hollering home horn	3 3 1 1 7 7 1 1 1 1 1 1 4 4 201 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 2 1 2 1 3 3 3 3 1 3 1	rags read reading recite record ring roud rough scream sharp shot shout shouted shriek shrill silent sing singing singing soft softly song sound speak speech	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	spelling steps still stormy swallow swear sweet talk talking teacher there tone train voice walk whistle word yell yelled you
				8	4. THIE	E F			
19 1 1 1 1	bad be beg blue boon boot	1 1 1 1	fight filled food fright fun girl gold	1 2 2 1 1 2	legs har lie light	1 1 2	night noisy oats police prison	8 28 20 2 2	stealing steals stole stolen store strong suit

1	booster bum burglar	1 good 11 gun 1 hat	1 mail 1 mamma 30 man	5 ring 21 rob 229 robber 4 robbers	9 take 1 theft 1 there 5 tramp
23	caught	1 he	1 me	6 robs	•
	chickens cow	3 hide 9 house	6 mean 1 meat	5 run	1 unkind 1 useful
ī			63 money	1 silverware	
2	dog	1 jail	1 mouse 1 murder	1 sold 1 sore	1 wagon 1 walk
	feet	4 kill 1 knife	•!	320 steal	3 watch
	reet	1 Killie	1 nice	10 stealer	1 white 1 women
			85. LION		
	afraid	1 cat	13 forest	1 jumps	1 purr
205	Africa animal	1 catch 1 cave	1 fright 1 fur	15 kill	52 roar
3	anger	1 claws	E mand	2 kills	3 roars
í	angry awful	1 close 4 creature	5 good 7 growl	27 king	3 rough
2	bad	1	1 growling	16 large	2 skin
1	bay	1 danger 1 David	5 growls 1 gun	3 legs 1 lift	1 small 1 story
5 95	bear beast	1 deer		3 live	1 string
83	big	8 den 1 desert	1 have 2 hair	1 long	16 strong
1	bind	1 dog	1 he	14 mad	2 tail
	bite biter	109 eat	1 head 1 horse	4 man 8 mane	1 tame 12 teeth
1	bit	3 eats	1 huge	1 many 7 mean	1 terrible
1	bones boy	1 fear	1 hunger 4 hungry	7 mean 1 monster	13 tiger
3	brave	1 feet		1 mouse	7 wild
1	bread	119 fierce 2 fight	1 insect	5 mouth	8 woods 1 wool
8	cage	1 fool	16 jungle	1 prance	
					1 yellow
					2 , 20000
			86. JOY		2 7 5
3	armv	2 eniov	86. JOY	3 marry	·
3 3	army automobile	2 enjoy	25 happiness 260 happy	3 merry 4 mother	3 sad 1 sadness
3	automobile	1 father	25 happiness 260 happy 3 heart	4 mother	3 sad 1 sadness 1 school
3 3 1	automobile baby birth	1 father 1 feel 1 fest	25 happiness 260 happy	4 mother 1 naughty 1 new	3 sad 1 sadness 1 school 1 show 1 skating
3 1 6	automobile baby birth boy	1 father 1 feel 1 fest 4 fine	25 happiness 260 happy 3 heart 6 home 1 honor	4 mother 1 naughty	3 sad 1 sadness 1 school 1 show 1 skating 1 song
3 1 6 1	automobile baby birth	1 father 1 feel 1 fest 4 fine 1 full 182 fun	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly	4 mother 1 naughty 1 new 28 nice 1 park	3 sad 1 sadness 1 school 1 show 1 skating
3 1 6 1 3	automobile baby birth boy boys bring	1 father 1 feel 1 fest 4 fine 1 full	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly	4 mother 1 naughty 1 new 28 nice 1 park 5 party	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang
3 1 6 1 3	automobile baby birth boy boys bring cake cheer	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling
3 1 6 1 3 1 1 2	automobile baby birth boy boys bring cake cheer child	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time
3 3 1 6 1 3 1 1 2 2 45	automobile baby birth boy boys bring cake cheer child children Christmas	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train
3 3 1 6 1 3 1 1 2 2	automobile baby birth boy boys bring cake cheer child children Christmas clap	1 father 1 feel 1 feet 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy
3 1 6 1 3 1 1 2 2 45 1 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way
3 3 1 6 1 3 1 1 2 2 45 1 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glees	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains
3 16 13 1 12 22 45 1 11 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way
3 16 13 1 12 22 45 11 11	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way
3 16 13 1 12 22 45 1 11 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance	1 father 1 feel 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way
3 1 6 1 3 1 1 2 2 2 45 1 1 1 1 2 2 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing	1 father 1 feel 1 feest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoice 2 riding	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way 1 worry
3 1 6 1 3 1 1 2 2 2 45 1 1 1 1 2 2 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance	1 father 1 feel 1 feet 1 fest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding	3 sad 1 sadness 1 school 1 show 1 skating 1 sorg 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way 1 worry
3 3 16 13 3 1 12 2 2 45 1 1 1 1 2 1	automobile baby birth boys boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding	1 father 1 feel 1 feest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lay 1 lay 1 lay 1 leg	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding 2 post 1 potatoes	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way 1 worry 39 soft 2 spread 4 springs
3 3 1 6 1 3 3 1 1 1 2 2 2 4 5 1 1 1 1 2 1 3 8 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding big	1 father 1 feel 1 feet 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily 1 father 1 fell 1 fool	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lazy	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 trains 1 trains 1 way 1 worry 39 soft 2 spread 4 springs 1 stadning
3 3 1 1 1 2 2 2 4 5 5 1 1 1 1 2 1 3 8 1 6 6 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding big blanket bought	1 father 1 feel 1 fest 4 fine 1 sylvariant 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily 1 father 1 fell 1 fool 2 go 1 going	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lazy 1 legs 10 lie 1 like	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding 2 post 1 potatoes 8 quilt 17 rest	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way 1 worry 39 soft 2 spread 4 springs
3 3 1 1 1 2 2 2 4 5 5 1 1 1 1 2 1 3 8 1 6 6 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding big blanket	1 father 1 feel 1 feest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily 1 father 1 fell 1 fool	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lazy 1 leg 1 legs 10 lie 1 like 1 like 1 little	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding 2 post 1 potatoes 8 quilt 17 rest 5 resting	3 sad 1 sadness 1 school 1 show 1 skating 1 sory 1 sorry 1 syrang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way 1 worry 39 soft 2 spread 4 springs 1 standing 6 supper 1 sweat
3 3 1 6 1 1 1 2 2 2 4 5 5 1 1 1 1 2 1 3 8 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding big blanket bought brass	1 father 1 feel 1 feest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 good 1 ha ha 1 happily 1 father 1 fell 1 fool 2 go 1 goong 2 good 1 hard	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lazy 1 legs 10 lic 1 like 1 little 1 lying	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding 2 post 1 potatoes 8 quilt 17 rest	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 syrang 1 teeth 1 tickling 2 time 1 toy 1 trains 1 trains 1 way 1 worry 39 soft 2 spread 4 springs 1 standing 6 supper 1 sweat 1 time 3 tired
3 3 1 6 1 3 3 1 1 1 2 2 2 4 5 1 1 1 1 2 1 3 8 1 6 6 1 1 1 1 1 1 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding big blanket bought brass broke	1 father 1 feel 1 feest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 going 27 good 1 ha ha 1 happily 1 father 1 fell 1 fool 2 go 1 going 2 good 1 hard 1 head	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lazy 1 leg 1 leg 1 legs 10 lie 1 like 1 little 1 lying 1 made	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoicing 3 ride 2 riding 2 post 1 potatoes 8 quilt 17 rest 5 resting 8 room 1 rough	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 sprang 1 teeth 1 tickling 2 time 1 toy 1 train 1 trains 1 way 1 worry 39 soft 2 spread 4 springs 1 standing 6 supper 1 sweat 1 time
3 316 1 3 1 1 2 2 2 4 5 5 1 1 1 1 2 1 3 8 1 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	automobile baby birth boy boys bring cake cheer child children Christmas clap comfortable company crazy dance doing asleep bedding big blanket bought brass broke buy	1 father 1 feel 1 feest 4 fine 1 full 182 fun 3 funny 1 game 2 girl 203 glad 2 gladly 7 gladness 1 glee 2 good 1 ha ha 1 happily 1 father 1 fell 1 fool 2 go 1 goong 2 good 1 hard	25 happiness 260 happy 3 heart 6 home 1 honor 2 jokes 2 jolly 1 joyful 1 joys 1 jump 25 laugh 2 laughing 11 laughter 1 life 2 like 3 love 1 loving 4 man 87. BED 2 laying 1 lazy 1 legs 10 lic 1 like 1 little 1 lying	4 mother 1 naughty 1 new 28 nice 1 park 5 party 1 passed 1 piano 49 play 2 playful 1 playing 6 pleasure 1 pretty 1 rejoice 1 rejoice 1 rejoicing 3 ride 2 riding 2 post 1 potatoes 8 quilt 17 rest 5 resting 8 room	3 sad 1 sadness 1 school 1 show 1 skating 1 song 1 sorry 1 syrang 1 teeth 1 tickling 2 time 1 toy 1 trains 1 trains 1 way 1 worry 39 soft 2 spread 4 springs 1 standing 6 supper 1 sweat 1 time 3 tired

12 3 2	couch cover covers down dream	1	iron keyhole lady lay	106 4	nice night nightgown pillow	1 16 9 6	sleep sleeper sleeping sleepy slept small	2	well went white wooden
				88	. HEAVY	7			
3 1	animal baby ball barrel	1 1 2 1	do dog doll drop	1	iron is it labor	3 1	no pail paper papers	20 1	stove strong sunk thick
37 3 2 4 12	bed big blocks boards book box	1 1 1	engine every fall fat father	22 2 35 1 36 5	large lazy lead leaves lift lifting	2 2 1	potatoes pound quilt rains	1 4 1 5 2	thing things this tight tired tiresome
6 1 5	boy bundle burden can't	1 3	flour full gold goods	54 1 72 2 1	light little load loaded loads	19 1 1	rock rocks sack salt	1 1 3	too tree trunk very
36 1 6 1 1	carry case chain chair cloth coal	1 5 178	guilt hammer hard head heaven	1 1 1 1 4	loan log look lot lumber lunch	1 1 1 1 1	sister sledge small soft steel steep stick	7 1 1 1 39	wagon water weak weigh weight were
_	desk	3	house hurt		man	32 1	stone stones	10 1	wood work world
					TOBAC				
	America awful	1	don't	3	like	1	Prince Albert	1	SO
1	bad bag		eat father	10	man men	1 1	raise red rug	20 1 5	spit squeal store
1 6	bitter blacksmith box brown	1	good grew	1	nasty naughty opium	1	ruin ruins life sick	1	strong sweet use
214 7	can chew chewing	1 1		70 2 4	pipe pipes plant	1 466	slow smith smoke smoked		Virginia weeds
4	cigar cigarettes cigars climax	1 2 7	Leader leaf leaves	1	plantation pledge pouch poison	2	smokers smokes smoking		
				9	O. BABY	•			
3 1 1 1 1	bakery	1 1! 119 22 14	die	1 6 3 1 2 1 1 1	girl go good growing hands happy have hear heel helpless	22 1 4 11 1 21 1	milk mother name new nice nickel night nipple nose nurse	3 5 20 90 1 1 40 11	school sick sister sleep small smiled soul stork sweet
35 7 31 1	blanket born bottle boy brother	2 1 2 1	doll dream dress drinks drive	20 1	infant it joy	4 1 1	nursy out people	2 1 1	toes toys tub
	buggy care carriage	1	ears ease eat	1	kiss kitten lady	6	person play playing pretty	1	well woman young

172 child 17 cradle 3 crawl 2 crawling 3 creeps	9 eyes 3 face 1 fat 1 flesh	1 legs 97 little 4 love 1 Mabel	3 rattle 1 rock 1 running	1 youngling 1 youngster
1 above 1 at 1 away 1 baby 4 ball 29 big 115 bright 3 clear 2 cloud 8 cold 1 color 3 cow 10 dark 1 earth 3 evening	1 eyes 13 face 1 far 20 full 1 ghost 3 gold 1 gone 1 good 8 heaven 6 high 1 hood 2 house 4 lake 2 large 1 leave	91. MOON 1 led 155 light 1 little 1 loom 4 look 1 looks 6 man 1 moonlight 3 moves 7 nice 128 night 2 noon 1 person 3 pretty 1 quickly	1 red 5 rise 2 rising 101 round 1 see 1 setting 107 shine 26 shines 19 shining 1 shining 1 shiny 2 silver 2 silvery 2 skies 103 sky 2 slow	1 small 1 soon 1 spoon 9 star 10 stars 1 still 6 summer 14 sun 1 sunlight 1 sunshiny 1 waxen 8 white 1 world 8 yellow
1 article 1 bird 1 brass 1 broke 1 broken 1 cast 1 clip	32 cloth 1 clothes 1 coat 802 cut 3 cuts 1 cutter 48 cutting 1 dull	92. SCISSOR 2 finger 1 glasses 1 have 1 knife 1 large	1 lizer 1 long 10 paper 2 papers 1 safety 1 screw 15 sew	11 sewing 35 sharp 8 shears 1 silk 1 silver 5 small 4 steel 1 waist 1 work
1 alone 4 asleep 1 awful 14 baby 1 be 1 bed 13 boy 1 calm 1 cat 5 child 7 children 1 clean 1 cold 1 comfortable 1 country 1 cozy 1 creak 1 day 1 dark 1 dead 1 deserted	I empty I feet I fight I girl I glass 20 good 3 hall I happy I hear 6 here 4 home 62 house I I I Indians I joy I keep 4 light	93. QUIET 1 lightly 1 likes 13 listen 2 lonely 1 lonesome 11 loud 4 low 1 man 1 me 22 mice 1 mine 37 mouse 1 music 1 nap 1 napped 6 nice 55 night 70 noise 6 noiseless 18 noisy 1 now	3 old 1 peace 3 peaceful 1 person 3 quiet 4 reading 4 rest 3 resting 1 robber 1 rock 43 room 4 school 3 sick 5 silence 4 silent 1 sit 72 sleep 7 sleeping 22 sleepy 1 slept	3 slumber 1 small 1 smoke 46 soft 1 softly 1 solemn 14 sound 1 stepping 300 still 1 study 3 talk 1 thought 4 very 1 wake 1 whiskey 1 woman 1 you
23 apple 7 apples 5 beautiful 1 beauty 1 bed 1 beet 1 big	1 cotton 2 country 12 dark 1 draw 100 dress 1 dummy 1 dye	94. GREEN 15 hat 9 horn 9 house 1 ignorant 1 indolent 21 Irish 1 it	1 meadow 3 meadows 4 nice 1 night 1 nothing	1 silky 4 skirt 1 slippers 1 small 1 sorrow 1 spire 1 spires 1 steam

1 blanket			0	A
	1.6	4 113	9 paper	9 stem
13 blue	1 fine	1 kind	1 park	1 style
1 boat	1 flag		6 pencil	1 sweet
3 book	7 flower	1 lace	1 pink	
1 boy	1 flowers	1 lavender	8 plant	1 thing
7 bright	1 fresh	1 lawn	1 plume	1 tree
	1 fruit	1 leaf	23 pretty	
1 cabbage		1 leafy		29 waist
1 checkered	1 glass	2 lean 13 leaves	1 railroad	1 walls
4 Christmas	1 good	13 leaves	4 red	3 white
12 cloth	3 goods	13 light	6 ribbon	1 wood
5 coat	272 grass	2 like	0 0100011	1 woods
237 color	1 gray	2	1 sad	1 110000
1 corn	l greenhouse	1 man	15 silk	6 yellow
1 COLL	* Breemouse	1 man	15 Siik	
				1 young
		95. SALT		
4 bad	1 doughnuts	1 kitchen	29 pepper	1 soft
1 bake	1 dress		3 petre	4 soup
1 beet	1 drink	1 lalt	2 pickle	79 sour
110 bitter	- 4111111	2 lake	2 pickle	
2 box	93 eat	3 like	3 pinch	1 stale
	50 Cal	3 11KC	2 pork	4 sting
8 bread	6 eating	1 loft	5 potato	3 store
1 bricks	1 egg	1 look	49 potatoes	13 strong
4 burn	1 eggs	1 love	1 pure	1 stuff
4 butter			1 put	23 sugar
	l fall	1 malt	1 put	6 sweet
1 carrot	1 feathers	99 meat	1 rabbit	
	1 fine	1 me		1 Syracuse
1 cattle	6 fish	1 men	1 roast	
3 cellar	4 flavor	3 mine	1 rock	14 table
1 China	Thavor		1 rotten	21 taste
1 class	5 food	3 mineral		I tasty
6 cook	1 found	1 mountains	1 sacks	
1 cooking		1 much	10 salty	10 thirsty
4 cow	1 goat		25 sea	3 tomato
1 cried	30 good	2 nasty		1 too
	1 goods	3 nice	1 shake	
1 crystal	1 goods		7 shaker	1 useful
	1 grain		1 sharp	1 userui
		64 ocean	1 sheep	
1 dandy	l halt	1 onion	1 small	1 wc
1 deep	1 horrid		1 smart	60 water
	1 horse	1 pain	1 soap	97 white
				•
		96. STREET		
		00. 21		
1 Adams	1 children	5 ground	1 meat	60 road
2 alley	8 city	J ground	2 meet	
	00 -1	1 11		1 rock
11 auto	90 clean	1 Hennepin	16 mud	3 run
1 autos	12 cleaner	1 home	15 muddy	1 running
2 automobile	1 cleaning	42 horse	_	
1 automobiles	1 complete	54 horses	3 narrow	7 sand
34 avenue	1 corners	4 house	1 newsboy	2 sewer
	4 country	1 houses	1 nice	23 sidewalk
1 beat	4 crossing		1 noise	2 slippery
1 big	15 curb	1 is	1 noisy	2 stone
1 black	10 0410	1 15	1 number	2 stores
	34 dirt	1 Jefferson	1 mamper	1 straight
1 bled 2 block	of Jim	1 Jenerson	1	
	85 dirty	4	1 on	1 streetcar
1 blocks	1 driving	41 lamp	1 open	
1 blood	1 dry	7 lamppost	1 order	1 teams
3 boys	7 dust	1 land	1 outdoors	5 town
4 brick	7 dusty	3 large		1 track
4 bricks	-	1 lawn	1 pass	
1 broad	1 earth	1 light	1 part	49 wagon
1 Broadway	1 even	3 lights	15 paved	3 wagons
1 bumpy		1 listen	15 pavement	88 walk
3 busy	1 far	7 live		1 walker
Juay		12 long	3 paving 7 people	
70	1 feet	13 long	/ people	1 walking
79 car	1 funny	4	1 place	5 walks
1 cars	_	4 man	1 play	1 water
2 cement	1 go	1 marbles	1 public	1 way
2 central	1 good	1 Marshall		2 wet
			5 ride	8 wide

97. KING

					_		_		
2	America		cruel		horse		nice	1	ruled
1	animal	4	Czar	1	hurt		noble		ruler
1	army					1	Norway	4	rules
	•	1	dress	1	i11		-	2	Russia
3	bad			1	Ireland	1	obey	1	Russian
1	beast	17	emperor	1	island	1	old	_	
ĩ	beautiful		England			1	own	1	seat
3	beer	1	English	1	judge	ī	owner	î	servants
ž	Belgium	ī	Europe	-	,			4	sit
ĩ	big	_		1	Kaiser	26	palace	i	small
ż	boss	•	fox	î	kill		person	â	soldier
ĩ	bow		102		kingdom	7	Peter	5	soldiers
i	brave	1	gentleman	1	knights	1	pillory	ž	sovereign
î	bring	1			**********	i	place	1	staff
+	brother	1	George	1	ladw	÷	Poland	2	state
1	DIOTHEL	1	George V	2	lady lame	1			state
		4	German	29	land	- 1	poor	14	
ĩ	candy	5	Germany	29		10	president	1	Sultan
5		1	God	Ţ	ling	4	pretty	1	Sweden
3	chief	- 2	gold	1	lion	1	prince	1	sword
1	Christ	25	good			1	princess		_
2		2	governor	1	majesty	1	principal		throne
3	city	1	grand	66	man	1	proud	1	trouble
1	clothes			1	manager				
1	cold	1	habit	1	master	50	queen	1	very
1	come	3	happy	1	mayor				
1	commander	1	Harold	1	mean	2	reign	5	walk
83	country	1	have	1	men	19	rich	2	war
3	court	4	head	1	money	1	robe	1	where
1	crime	1	hearts	ī	my	1	robes	ī	wine
124	crown	ī	high	-		1	royal	î	wise
	crowned	ī	hook	1	nail		rule	ī	wood
		-		•				3	world
									.,

98. CHEESE

1	bed-bugs	1	dinner	1	holes	59	mice	1	sneeze
1	bees			1	hungry		milk	2	soft
2	bitter	251	eat			128	mouse		sour
1	bought	4	eating	1	I			3	stink
78	bread	1	eats	ī	Italian	2	nice		store
22	brick	1	Edam	_		_		ī	strong
49	butter		egg	1	knees	1	old	1	supper
			-00	1	knife			1	sweet
6	cat	17	food			1	pound	9	Swiss
1	churn			4	like		•	1	Switzerland
8	cottage	1	goat	7	Limburger	57	rat		
3	cow	1	goats		lunch	32	rats	1	taste
3	cows	ī	gone					_	
1	cracker	57	good	1	man	1	sandwich	6	white
33	cream	1	grocer	1	meat	13	smell	-	
-					•	-	_	76	vellow

99. BLOSSOM

87 7	apple apples	1	cherry		hive house		open out	1	round
1	autumn	ī	color	_		_		1	shiny
		1	cook	1	June	2	pansy	12	smell
1	bears	1	crocus			1	peach	11	spring
1	beauty			1	leaf	1	peaches	1	stem
2	big	1	earth	1	leaves	1	peas	14	summer
1	bird			1	like	1	pick	4	sweet
48	bloom	486	flower		lily	4	pink		
2	blooming	93	flowers	1	love	20	plum	9	tree
1	blooms	1	fruit			37	pretty	1	tulip
1	blue			1	May	1	purple	_	
45	bud	8	garden		•			1	violet
2	buds	1	good	1	nice	2	red	-	
		6	grow	1	now		rose	30	white
1	California						roses		winter

100. AFRAID

1	alley	1	cow	4	go	1	monkey	1	ship
Ť	alone	19			gun	Z	mouse	- 2	sleep
1	am	1	cry	1	gypsies			1	snake
3	animals	1	crying			1	nervous	1	strong
1	auto			1	her	59	night		
		151	dark	1	him	1	no	1	tabby
18	baby	73	dog	2	home	4	noise	1	that
1	bad	1	donkey	3	house			8	thief
1	bashful	1	don't	1	humor		people	4	tiger
3	bear					1	pond	7	timid
2	beast	14	fear	1	jackal		-		
10	boy	1	fire			1	rabbit	1	very
1	brand	1	foolish	22	lion	1			
4	brave	6		1	lonesome		robber	3	walk
1	bright	5	frighten	1	long	2	robbers	1	weary
1	bug	34	frightened			22	run	4	wolf
33	burglar	2	funny	1	maid		•	í	women
27	burglars	-	- 444.1.	ā	man	41	scare	î	
2,	Durgiara	1 5	ghost	5	me	7	scarecrow		WUIG
_									_
2	cat	1	ghosts	1	mean	290	scared		yes
3	children	9		1	melt	1	scaring	1	you
1	cop	1	glad	2	men	1	scream		

CHAPTER V

Preferred Responses for Different Ages

The preceding frequency tables, include, as already explained,¹ responses of children varying in age from 9 to 12. It seems desirable, therefore, to give some indication of the degree of agreement between the children of different ages. This is fairly well done by the table below, which gives separately for each age the three most frquent responses to each of the stimulus words. Since the 4 age-groups are not equal in numbers, the numerical frequencies of responses given by different groups could not be directly compared. We have, therefore, simply given the three most frequent responses in the order of their frequency, omitting the coefficients.

It will be seen that there is remarkably close agreement between children of the different ages. This is particularly striking when the present table is compared with a similar one for children as compared with adults, given in the following chapter. This agreement for the 4 different ages here in question is so close as to suggest that it would not be worth while to compile frequency tables for each age. Unless very large numbers of cases were used, something like ten thousand for each age, differences obtained with the different ages would scarcely be reliable. We believe, therefore, that we are justified in taking together, as one group, children of the 4 ages we have used, and regarding the results as representative of children in general between the ages 9 to 12 inclusive.

It may be pointed out, further, that the preceding tables may be much more correctly regarded as proper standards of association in children than can the Kent-Rosanoff tables as proper standards for adults, for the latter include responses from persons of from eight to over eighty years of age, though mainly of the adult ages. Kent and Rosanoff do not give the age distribu-

¹ See Chapter III, Composition of Groups.

tion of their subjects, but they mention a group of 78 children under 16 years of age. On the whole, however, it is probably permissible to speak of their table as an adult table, as does Rosanoff himself.

	PREF	ERRED RESPON	ISES BY AGES	
Stimulus	9 yrs.	10 yrs.	11 yrs.	12 yrs.
1. Table	eat	eat	eat	eat
	legs	dishes	dishes	dishes
	dishes	legs	dish	legs
2. Dark	night	night	night	night
2. Duin	black	black	see	see
	see	afraid	100m	afraid
3. Music	piano	sing	piano	piano
o. music	sing	piano	sing	sing
	play	sweet	play	sweet
4. Sickness	iII	doctor	bed	i11
	bed	bed	fever	doctor
	doctor	in	doctor	bed
5. Man	work	hat	work	work
J. 112411	hat	work	hat	hat
	rich	clothes	person	clothes
6. Deep	hole	hole	hole	hole
от эсер	water	water	well	water
	well	well	water	down
7. Soft	pillow	pillow	pillow	pillow
7. Soft	nice	bed	cotton	bed
	cotton	cushion	bed	cotton
8. Eating	bread	bread	bread	bread
o. Laung	table	table	table	food
	ice-cream	food	hungry	eat
9. Mountain	high	high	high	high
	hill peak	hill snow	hill steep	hill snow
			-	
10. House	live	live	live	live
	room chair	warm room	big warm	wood warm
		100111	Walli	waim
11. Black	dark	dark	dark	dark
	dress	color	color	dirty
	color	dress	dress	color
14. Hand	clock	work	fingers	fingers
	fingers	fingers	work	finger
	work	clock	clock	work
15. Short	small	small	small	small
	little	little	little	little
	pencil	dress	walk	pencil
16. Fruit	apple	eat	apple	apples
	apples	orange	eat	eat
	eat	apple	good	banana
17. Butterfly	fly	fly	fly	fly
•	pretty	wings	wings	wings
	bird	pretty	pretty	butter
18. Smooth	soft	soft	soft	soft
	flat	even	even	even
	ice	level	nice	rough
20. Chair	sit	sit	sit	sit
	seat	seat	seat	set
	legs	wood	set	rocking

21.	Sweet	good candy sugar	good candy sugar	good sugar oranges	good sugar candy
22.	Whistle	noise blow boy	blow boy noise	noise blow loud	blow noise loud
23.	Woman	lady dress women	lady dress mother	lady dress mother	lady dress children
24.	Cold	winter freeze burn	ice winter snow	snow chilly freez e	winter ice weather
25.	Slow	walk lazy fast	walk lazy clock	lazy walk clock	fast walk lazy
26.	Wish	bone want doll	want fairy candy	want bone dog	want fairy true
27.	River	water lake stream	water swim lake	water swim fish	water swim fish
28.	White	dress color light	dress color light	color clean snow	paper light color
29.	Beautiful	pretty nice dress	pretty nice lady	pretty nice lady	pretty nice girl
30.	Window	glass pane look	glass look light	glass look pane	glass pane look
31.	Rough	hard mean bad	hard bumpy mean	hard boy board	boy mean smooth
33.	Foot	walk feet leg	walk toes leg	walk leg toes	walks walk leg
34.	Spider	web legs bug	web legs bug	web legs bug	legs web bug
35.	Needle	sew sewing thread	sew thread sewing	sew stick sewing	sew pin sharp
36.	Red	color bright dress	color bright dress	color dress bright	color cloth bright
37.	Sleep	bed night tired	bed night eyes	bed night tired	bed night dream
38.	Anger	mad fight cross	mad mean cross	mad fight cross	mad fight scold
39.	Carpet	rug floor sweep	rug floor dirty	rug floor walk	rug floor house
40.	Girl	dress boy hair	dress nice doll	dress child big	dress child boy
41.	High	mountain air far	mountain tall hill	hill up mountain	mountain up hill

42.	Working	hard busy man	hard man men	hard man men	hard man busy
43.	Sour	milk cream sweet	pickles milk vinegar	milk bitter lemon	sweet eat bitter
44.	Earth	ground round black	ground dirt round	ground dirt black	ground round dirt
46.	Soldier	war fight fighting	war fight man	war fight army	man fight war
47.	Cabbage	eat vegetable garden	vegetable eat garden	vegetable eat leaves	eat vegetable leaves
48.	Hard	stone work rock	stone rock floor	stone work soft	work floor rock
49.	Eagle	·bird fly big	bird fly wings	bird fly mountain	bird fly wings
50.	Stomach	ache eat food	ache body eat	ache sick eat	eat ache sick
51.	Stem	flower cut green	flower long flowers	flower flowers long	flower flowers long
52.	Lamp	light burn glass	light burn glass	light glass burn	light glass burn
53.	Dream	sleep night bed	sleep night bed	sleep night bed	sleep night bed
54.	Yellow	color dress flower	color dress flower	color dress flower	color dress light
55.	Bread	eat dough butter	eat flour good	eat good flour	eat flour dough
57.	Воу	play ball bad	play man pants	pants cap child	play man girl
58.	Light	lamp dark bright	lamp dark gas	lamp day bright	dark day lamp
60	. Bible	book church holy	book God read	book read church	God book read
62	. Sheep	wool animal lamb	wool anima! white	wool animal lamb	wool animal white
63	. Bath	water clean tub	water wash clean	water wash clean	water clean wash
64	. Cottage	house lake live	house home lake	house home lake	house home lake
65	. Swift	fast run horse	fast run horse	fast run horse	fast horse run

66.	Blue	color dress flag	color dress sky	color dress sky	color dress sky
67.	Hungry	eat bread food	eat bread food	eat bread starve	eat bread starve
68.	Priest	church minister Catholic	church minister Catholic	church minister Catholic	church minister man
69.	Ocean	water waves river	water sea river	water waves sea	water sea ships
70.	Head	hair brains eyes	hair brains round	hair brains eyes	hair eyes brains
71.	Stove	fire hot warm	hot fire warm	hot fire warm	fire heat hot
72.	Long	grass big stick	far grass big	grass far dress	short far grass
74.	Whiskey	drink beer drunk	drink drunk liquor	drink drunk beer	drink drunk beer
7 5.	Child	baby good girl	baby girl boy	baby children giril	baby boy children
77.	Hammer	pound nail nails	pound nail nails	pound nail nails	nail nails pound
78.	Thirsty	water drink dry	drink water dry	water drink dry	water drink dry
79.	Cit y	Minneapolis country town	Minneapolis big town	Minneapolis big town	Minneapolis town big
80.	Square	block box oblong	block box corner	block oblong straight	block oblong corner
81.	Butter	bread yellow eat	bread yellow eat	bread yellow eat	bread eat yellow
82.	Doctor	sick man medicine	sick medicine man	sick man medicine	sick medicine man
83.	Loud	holler talk noise	noise holler talk	noise talk holler	holler noise talk
84.	Thief	steal robber money	steal robber burglar	steal robber money	steal robber burglar
85.	Lion	animal beast eat	animal beast fierce	animal eat fierce	animal fierce eat
86.	Joy	happy fun glad	happy glad fun	happy glad fun	happy fun glad
87.	Bed	sleep lay night	sleep lay night	sleep night lay	sleep night lay

88. Heavy	iron	hard	hard	light
	hard	iron	iron	hard
	load	load	load	iron
89. Tobacco	smoke	smoke	smok <i>e</i>	smoke
	chew	chew	chew	chew
	pipe	pipe	pipe	pipe
90. Baby	child	child	child	cry
	little	cry	cry	child
	cry	small	little	little
91. Moon	night	light	light	light
	round	bright	shine	night
	bright	night	round	bright
92. Scissors	cut	cut	cut	cut
	cutting	cutting	cutting	cutting
	sharp	sharp	sharp	cloth
93. Quiet	still	still	still	still
	sleep	noise	sleep	house
	soft	sleep	house	noise
94. Green	grass	color	grass	color
	color	grass	color	grass
	dress	dress	dress	dress
95. Salt	bitter	bitter	eat	meat
	white	white	meat	bitter
	meat	meat	bitter	eat
96. Street	dirty	walk	walk	walk
	clean	dirty	dirty	car
	horse	car	road	dirty
97. King	crown	crown	ruler	ruler
	ruler	ruler	crown	rule
	good	rule	country	country
98. Cheese	eat	eat	eat	eat
	mouse	mouse	mouse	mouse
	rat	bread	butter	yellow
99. Blossom	flower	flower	flower	flower
	flowers	flowers	flowers	flowers
	apple	apple	apple	white
100. Afraid	scared	scared	scared	scared
	dark	dark	dark	dark
	night	dog	dog	night

CHAPTER VI

COMPARISON OF ASSOCIATION TYPES OF CHILDREN AND ADULTS

Nearly every writer on the psychology of association has emphasized the difficulties of any classification of associations according to their form, or type. With respect to these difficulties, we agree absolutely with previous workers. We do not wish to minimize the uncertainty and arbitrariness of any classification of associations, particularly when unaided by introspection; nor do we claim any value, except for our present purpose, for the system of headings which we ourselves have used. As regards the aid to be obtained from introspection, it may be questioned if children's introspection would be of sufficient reliability for use in the classification of associations according to their type. At any rate, introspections were not available, either for children or adults.

Notwithstanding the difficulties, we believe that the careful classification of associations that we have made for both children and adults is of great value. In spite of the large numbers of possible errors, the comparison of these classifications brings out in unquestionable manner a number of extremely striking and important differences in the mental processes of children and adults.

In this connection, we should like to quote, approvingly, Kent and Rosanoff: "It must, indeed, be conceded that objective methods can reveal but indirectly and with uncertainty the inner mechanism which produces any association and that in any given instance it would be impossible to establish the correctness of grouping in accordance with such methods. However, to decide that question for any given reaction is really not necessary in practice, since an error made through wrongly placing one, two, or three reactions under any heading is of no significance; the types acquire importance when represented by large numbers . . . and when many reactions fall under a single heading the likelihood of error, as affecting the record as a whole, is by that fact alone greatly reduced.

"The whole question might more profitably be approached from another point of view. To what extent are the distinctions of this classification useful? An answer to this question can be found only in the results." It should be explained that the above statements of Kent and Rosanoff were made concerning their system of classification and not the one we have used, but they express our attitude towards our own attempts at classification.

As regards the value of classifications as significant forms of description, we agree with Wells, who writes as follows: "In the valuable study of Kent and Rosanoff, considerable distrust is expressed of the quasi-logical categories, because of their vagueness and subjectivity. A somewhat similar opinion has been expressed by the present writer. At the same time, it could obviously not be supposed that the further development of the association test would render it possible to dispense altogether with this principle of classification. It is as impracticable to make frequency tables for all association words as it is desirable to state their results in a more significantly descriptive form than they permit."

In our selection of classificatory categories, we have endeavored merely to get headings which would serve to descrie the chief similarities and dissimilarities between the associations of children and adults. We have distinguished the following types:

		G	0 71
I.	Superordination	XII.	Verbs
II.	Subordination	XIII.	Participles
III.	Coordination	XIV.	Adjective-Noun
IV.	Contrast	XV.	Noun-Adjective
V.	Similarity	XVI.	Noun-Abstract Attribute
VI.	Part-Whole	XVII.	Verb-Object
VII.	Whole-Part	XVIII.	Pronouns
VIII.	Cause-Effect	XIX.	Sound-Similarity
IX.	Effect-Cause	XX.	Word-Compounding
X.	Material	XXI.	Non-Specific
XI.	Contiguity	XXII.	Miscellaneous

¹ Op. cit., pp. 27-28.

² A Preliminary Note on the Categories of Association Reactions,' Psych. Rev. Vol. XVIII, 1911, p. 229.

The meaning of most of these headings is sufficiently clear, particularly as they are fully illustrated further on. Some of them, however, require a few words of explanation. The class of associations headed contiguity, includes associations by both temporal and spatial contiguity. Associations by temporal contiguity were so rare that it did not seem worth while to make a separate class of them. This class includes also any response which might be designated a spatial or temporal localization. We have also placed in this class, instead of under whole-part, any association between a person and an article of clothing.

The distinction between the classes *verbs* and *participles* is an important one, as the participles, particularly the present ones, which almost exclusively compose this class, usually have a more abstract implication than the verbs.

Under the heading, word-compounding, we have included not only cases of actual compounding but all pairs of words so closely connected as practically to form a compound word, such as high,—up and deep,—down. Under this same heading, we have placed all cases of syntactical change, except those which are classified under the heading of sound-similarity. Thus the association long,—length is classified under word-compounding and high,—height under sound similarity. This inclusion of certain cases of syntactical change under the heading of word-compounding makes the heading somewhat misleading. Perhaps 'superficial verbal' would be a better heading, in which case, association by sound similarity would be a sub-class.

The miscellaneous group includes three cases: first, associations which seemed to belong fairly well in more than one of our groups; second, associations of a sort so rare that it was not deemed worth while to make a separate classification of them; and third, associations which were extremely difficult to classify at all, at any rate, under any very general heading.

The responses classed as non-specific, no matter with what stimulus words they occurred, were the following:

article(s) bad beautiful beauty big fine good happy happiness large man

nice
object
people
person
pleasant
pleasant
pleasantness
pleasure
pretty
small
thinking

thought(s)
unnecessary
unpleasant
use(s)
used
useful(ness)
useless(ness)
using
woman
work

Using the data on the ninety words which both our tables and the Kent-Rosanoff tables have in common, we have classified, with the greatest care every response in both the children's tables and the Kent-Rosanoff tables with a frequency of ten or over. For three of our classes of associations, we have classified every case, even those of a frequency of only one. These classes are the associations by similarity in sound, responses consisting of pronouns and the non-specific responses. With these classes, especially the first two of them, such a large proportion of the responses have a frequency less than ten that representative results could hardly be secured without using all cases. No response has been classified under more than one heading, with the exception of the non-specific responses. All the non-specific responses, however, are classified twice,—once under the heading of non-specific and once under some other heading.

In our tabulated summary of the various association types, we have used all the associations that we have classified. In the table, we give for each type of association, for children and adults separately, the following: first, the number of response words of the type in question (No.); 2d, their average frequency (Av. F.); third, the sum of their frequencies (Total); and fourth, the percentage of all the responses composed by the responses of the type in question, that is the percentage that the total frequency is of 90,000 (%).

9	SUM MAR	Y OF	Data	on Associ	IATION T	YPES		
			Adul	ts		Children	ı	
Class	No.	Av.F.	Total	%	No.	Av.F.	Total	%
Superordination	97	70	6,832	7.6	61	54	3,304	3.7
Subordination		33	1,478	1.6	43	44	1,912	2.1
Coordination		39	9,781	10.9	207	26	5,442	6.0
Contrast		144	9,500	10.6	50	24	1,201	1.3
Similarity		54	7,978	8.9	115	67	7,729	8.6
Part-Whole		52	997	1.1	15	22	337	0.4
Whole-Part		30	1,903	2.1	63	52	3,248	3.6
Cause-Effect		54	2,213	2.5	30	58	1,741	1.9
Effect-Cause	13	26	338	0.4	11	43	471	0.5
Material		44	878	1.0	19	43	812	0.9
Contiguity		31	5,372	6.0	210	66	13,763	15.3
Verbs	175	33	5,776	6.4	192	48	9,163	10.2
Participles	63	28	1,738	1.9	53	15	803	0.9
AdjNoun	273	23	6,204	6.9	291	35	10,077	11.2
Noun-Adj.		17	3,851	4.3	230	31	7,037	7.8
Noun-Abst. Att	12	21	248	0.25	6	7	44	0.05
Verb-Object		27	764	0.9	33	45	1,488	1.7
Pronouns		2	51	0.05	104	2	202	0.22
Sound Similarity	29	2 2	61	0.07	133	3	384	0.43
Word-Compounding	25	28	697	0.77	27	35	942	1.04
Non-Specific		9	5.614	6.2	563	12	6,904	7.7
Miscellaneous	0.1	53	4,251	4.7	73	68	4,998	5.5

The data presented in the table admit of a number of conclusions, which, so long as they are stated in a non-mathematical manner, may be regarded as established beyond a doubt. These conclusions are the following:

- (1) The following types occur more frequently in children than adults: verbs, verb-object, noun-adjective, adjective-noun, pronouns, sound similarity, contiguity, whole-part and, less definitely, subordination and word-compounding.
- (2) The following types occur more frequently in adults than in children: contrast, superordination, coordination, part-whole, noun-abstract attribute, participles and, less definitely, cause and effect.
- (3) The following types are about equally frequent in both: pronouns, sound similarity, contiguity, whole-part and, less defreactions belonging to the miscellaneous group, and effect-cause. The results with respect to associations from effect to cause, however, we regard an unreliable for not only is the number of such cases small, but are not very clear-cut cases.

The preceding conclusions are based upon the results obtained with a particular list of stimulus words. To what extent this fact limits their general validity, it is hard to say. Differences between groups would, however, be much less dependent upon the list of stimulus words than would the relative frequency of the various types of association for a single group. For example, it presumably matters but little whether our list contains ten or thirty stimulus words with easy opposites. So long as we give the same words to both children and adults, we are justified in comparing them with respect to their tendency to give opposites.

We should like very much to print our classifications in full, but this would require too much space. We have decided, therefore, to limit our printed classifications to responses possessing a frequency of fifty or over in one or the other of the tables. These are sufficient in number to show how we have interpreted our various classificatory categories, and they illustrate fairly well the differences or similarities, as the case may be, existing between children and adults with respect to the various types.

In comparing the frequencies of response of adults and child-

ren in any one case, a number of complicating conditions should be kept in mind.

In the first place, the frequency of any single response of a given type may be lowered because of the high frequency of a response of a different type. For example, let us suppose that adults have a stronger tendency than children towards association by superordination, and at the same time a stronger tendency towards association by contrast. Now if the stimulus word is one which has an easy opposite, a very large portion of the adults' responses may consist of this opposite. Consequently, there will be fewer adult responses left to be divided among the other reaction words; and the frequency of a given superordinating response may be less with the adults than with the children, in spite of a greater tendency towards superordination on the part of the adults, simply because a greater portion of the adult responses have been used up in the contrasting response.

Again, the difference in vocabulary between adults and children has to be carefully considered. Without at present raising the general question of the explanation of the differences in association type between adults and children, it is evident that many responses (such as the response abode, to house) can not be expected from children, simply because they have not acquired them. Now it may happen in some cases that most of the fitting responses of a given association type are words which children have not at their command, in which case the frequency of the children's responses of this type would naturally be low, even though in general their tendency towards associations of this type might be high.

On the other hand, the adults may know several response words of a certain type and give all of them, whereas the children might know only one. In this case the frequency attaching to the children's single response might be greater than that attaching to the adults', simply because the children had united on the one word; and yet the general tendency of the adults towards the type of association in question might be much more pronounced than that of children.

Another point that should be considered, one of great impor-

tance, is the definiteness or accuracy with which a response shows the type of association in question. For example, the association, cabbage,-vegetable, is a much more clear cut case of super-ordination than the association, cabbage,—thing. general it may be said that the non-specific responses,—responses, that is, which occur to many different stimulus words, are less significant than specific responses. A number of the exceptions to the general trend of differences between adults and children occur in connection with these non-specific responses. For example, the adults show a distinctly greater tendency towards superordination than the children, and yet the frequency for children is slightly greater in three of the cases where non-specific responses occur, namely, man,-person, woman,-person, and boy,—person. Similarly, in cases where the classification of an association is doubtful, differences in the frequency of that association between adults and children must be of more doubtful significance, as regards preferred types of association, than where the classification is unquestionably correct.

Lastly, one should keep in mind the unreliability of any particular frequency. Whenever the differences between the frequencies for adults and for children is small, it is not certain but that the group showing the highest frequency would not, with a larger number of subjects, show the lower frequency.

We append the classifications of responses of a frequency of fifty or over.

Classifications of Associations

1 0.11
ilts Children 75 0
75 0 95 35
99 8
95 35 99 8 78 16
i8 1
39
66
33 7
'3 185
34 9
17 30
58 83 76 57
6 0
1 57
77 22
95
)4 174
76068731577578

St	imulus	Response	Adults	Children
			568	373
50.	Stomach	organ	81	373
	Bread	food	191	37
57.	Boy	child(ren)	87	59
		male	63	9
	Bible	book	338	224
	Sheep	animal(s)	243	119
64. 68.	Cottage	nome	85 75	101
74	Priest Whiskey Hammer	lignor	75 70	69 97
74. 77.	Hammer	tool	70 69	11
81.	Butter	food	63	19
82.	Doctor	man	68	132
85.	Lion	animal	326	205
0.7	77 !	beast	67	95
97. 98.	King Cheese	man food	43 91	66 17
70.	Cheese	7000		17
3.	Music	bird organ food child(ren) male book animal(s) home man liquor tool food man animal beast man food II. SUBORDINA piano song(s) fever apple(s) banana(s)	TION 180	198
٥.	Music	Song(s)	74	66
4.	Sickness	fever	'ġ	50
16.	Fruit	apple(s)	259	305
		banana(s)	19	96
	***	orange(s)	45	99
23.	Woman	mother	30	53
44. 75.	Earth Child	clay	71 64	0 90
73.	Chita	oir!	45	93
79	City	Minneapolis	ŏ	218
•	0.00	New York	9ŏ	2.0
99.	Blossom	orange(s) orange(s) mother clay boy girl Minneapolis New York apple	50	8 7
		III. COORDINA	TION	
1.	Table	chair(s) boy low barn foot vegetable(s)	274	24
5.	Man	boy	44	29
6	Deen	low	51 74	35 12
10.	House	barn	74	12
14.	House Hand	regetable (a)	204 103	0 13
16. 17.	Fruit Butterfly	bird(s)	74	57
18.	Smooth	nice	' 4	68
	5	enf+	79	132
20.	Chair	table good girl easy lazy	191	29
21.	Sweet	good	26	213
23.	Woman	girl	59	17
25.	Slow	easy	63	13 138
27.	River		28 65	42
29.	Reautiful	nice	73	169
30.	Beautiful Window	nice door hard mean hand	73 57	2
31.	Rough	hard	38	144
		mean	1	71
33.	Foot	hand	185	.5
34. 35.	Spider Needle	hand fly	136	40
35. 36.	Red	pin(s) black	158 61	37 0
30.	Vća	blue	99	9
		white	97	18
40.	Girl		61	8
41.	High	far	1	58
43	Saur	bitter	70	63
46.	Soldier	sailor	70 58 60	0
50.	Smmach	intestine(s)	60	447
51.	Stem	woman far bitter sailor intestine(s) flower(s) leaf thought(s)	266 96	11
53	Dream	thought(s)	60	- 4
54.	Yellow	white	70	Ś
53. 54. 57.	Boy	man	104	61
ου.	Bible	church	50	110
62.	Sheep	leaf thought(s) white man church lamb(s) green	187	108
66.	Blue	green	54	1 21
67	W	red thireter	54 73	21 14
67.	Hungry Ocean	thirsty sea	73 75	88
UF.	Occan	oca.	7.5	

Sti	mulus	Response	Adults	Children
70. 72.	Head	1001	64 1	0 55
74.	Long Whiskey	big alcohol	50	15
, 4.	W Hiskey	beer	46	108
75.	Child	haby	193	185
		infant	122 55 74	3
		mother	55	26
79.	City	country	74	86 110
80.	Square	town oblong	258 32	95
81.		milk	101	47
85.	Lion	tiger	102	13
88.	Heavy	hard	38	178
90.	ыару	cniid	239	172
91.	Moon	sun	120	14 19
92.	Scissors	star(s) knife	125 66	2
93.	Quiet	peaceful	52	3
	2000	rest	68	4
94.	Green	yellow bitter	54	6
95.	Salt		40	110
		pepper	142	29
		sour	18	79
96	Street	sugar avenue	88 63	23 34
٠٠.	Direct	road	91	60
98.	Cheese	bread	56	78
		butter	136	49
		milk	106	32
		IV. CONTRAST		
2.	Dark	light	427	38
4.	Sickness	health	142	6
5.	Man	woman(en)	394	25
6.	Deep	shallow	180	_6
7.	Soft	nara	365 90	27
9. 11.	Mountain Black	valley whate	339	6 27 3 27
15.	Short	long	279	54
	2	tall	168	12 35 0
18.	Smooth	rough	277	35
21.	Sweet	bitter	50	.0
23.	Woman	sour man	301 292	23 17
23. 24.	Cold	man hot	151	12
47.	Cord	warm	166	25
25.	Slow	fast	316	65
		quick	56	4
28.	White	black	308	28
29.	Beautiful	ugly	66	0
31.	Rough	smooth	346 94	35 14
37.	Sleep	awake wake	60	6
40.	Girl	hov	350	40
41.	High	low	350 328	25
43.	Sour	sweet	349	25 75 65 32
48.	Hard	soft	367	65
57. 58.	Boy	girl	319	32 99
38.	Light	dark darkness	231 93	0
65.	Swift	slow	190	28
72.	Long	short	413	28 45
80.	Square	round	250	35
83.	Loud	low	57	.8
0.4	Ta	soft	165 135	13 0
86. 88.	Joy Heavy	sorrow light	273	54
93.	Quiet	noise	50	70
		noisy	113	8
97.	King	queen	354	50
		V. SIMILARITY	•	
2.	Dark	black	76	80
4.	Sickness	ill (ness)	119	100
9.	Mountain	hill(s)	216	97
11.	Black	dark	172	97 315
15.	Short	little	15	157

Sti	mulus	Response	Adults	Children
10	Smooth	small even	136	214
10.	эшоош	level	30 52	70 55
20.	Chair	seat	12 7	131
23. 26.	Woman Wish	lady	41 19 7	243 4
28.	White	desire clean	10	97
29.	Beautiful	handsome	86	13
		lovely	64	8
31.	Rough	pretty bumpy	113 1	280 61
31. 38.	Anger	cross	44	56
		passion	51	0
		temper wrath	149 52	8 0
39.	Carpet	rug(s)	52 1 77	247 56
41.	High	tall	5 7	56
42.	Working	busy labor	5 1 14 7	49 18
44.	Earth	dirt	115	102
		ground	166	223
58. 62.	Light Sheep	bright mutton	47 60	74 9
64.	Cottage	house	461	425
65.	Swift	fast	222	391
68.	Priest	quick	11 7 62	10 0
00.	I 1162f	clergyman minister	178	
	_	preacher	35	168 5 7
72.	Long	far	8 218	90
78. 81.	Thirsty Butter	dry grease	76	132 5
82.	Doctor	physician	213	6
83.	Loud	noisy	112	11 64
84.	Thief	burglar robber	118 126	229
86.	Joy	fun	6	182
		glad .	27	203
		happiness happy	215 71	25 260
		pleasure	121	6
90.	Baby	infant	168	20
93. 97.	Quiet King	still ruler	136 162	300 170
99.	Blossom	flower(s)	540	579
100.	Afraid	nervous	55	1
		scared timid	106 55	290 7
				•
		VI. PART-W		
16. 33.	Fruit Foot	tree(s) limb	62 58	11 0
46.	Soldier	army	137	0 63
50.	Soldier Stomach	body	99	78
51. 70.	Stem Head	plant body	74 146	25 26
99.	Blossom	tree(s)	57	29
		VII. WHOLE-	Dann	
	Table			78
1. 3.	Music	leg(s) not e s	23 17	10
9.	Mountain	peak(s)	17	50
10.	House	rock(s)	18	49 64
14.	Hand	room(s) finger(s)	17 112	199
17.	Butterfly	wing(s)	41	137
30.	Window	glass	316	421
33.	Foot	pane toe(s)	82 71	62 115
34.	Spider	legs	27	107
47.	Spider Cabbage	leaves	11	62 92
49. 62.	Eagle Sheep	wing(s) wool	24 143	92 411
69.	Ocean	wave(s)	143 57	96
70.	Head	brain(s)	90	162
		eye(s) hair	12 159	10 7 203
79.	City	hair house(s)	55	29

		VIII. CAUSE-1	EFFECT	
6.	:1 -			C1. 11.4
4.	imulus	Response	Adults	Children
52.	Sickness Lamp	death light	115 650	8 648
63.	Bath	clean	115 650 120	192
00.	Dath	cleanliness	109	1 1
71.	Stove	fire	217	164
		heat	213	112
74.	Whiskey	drunk	31	138 155
91.	Moon	light	231	155
		IX. Effect-C		
37.	Sleep	tired	26	67
67.	Hungry	appetite	57	3 60
100.	Afraid	burglar(s)	5	
		dark	114 1	151 73
		dog	1	/3
		X. MATERI	AL	
2.	Table	wood	76	21
35.	Needle	steel	53	23
35. 52.	Lamp	glass	8	50
55.	Bread	dough	26	80
20	D-41	flour	88	95
36. 77.	Bath	water	339 45	295 62
//.	Hammer	iron	43	02
		XI. Contigu	ITY	
1.	Table	dish(es)	45	159
2.	Dark	night	221	421
4.	Sickness	bed	54	105
5.	Man	doctor	62 7	116
8.	Eating	hat table	21	82 108
9.	Mountain	snow	10	61
14.	Hand	arm	63	44
30.	Window	light	186	47
33.	Foot	leg(s)	55	115
		shoe(s)	163	81
35.	Needle	thread	160	72
37.	Sleep	bed(s)	75 49	382
38.	Anger	night boy(s)	3	95 53
39.	Carpet	floor	256	149
40.	Girl	dress	8	240
46.	Soldier	gun food	27	61
50.	Stomach	food	102	83
51.	Stem	pipe bed	70	42
53.	Dream	bed	11	78
E 4	Danad	night	42 151	260 8
54. 57.	Bread Boy	butter ball	10	
57.	Боу	cap	1	55 53
		pants	ő	63 67
58.	Light Cottage	day	81	67
64.	Cottage	lake	5	117
68.	Priest	church	166	271
69.	Осеап	boat(s)	7 35	54 79
74.	Whiskey	ship(s) saloon	35 15	79 57
74. 81.	Butter	bread	206	467
82.	Doctor	medicine	149	136
·	200101	sick	52	448
		sickness	104	34
84.	Thief	money	16	63
87.	Bed	night	11	106
89.	Tobacco	pipe	69	70
90.	Baby	milk	1 66	55 128
91.	Moon	night	73	128 103
		sky stars	93	103
96.	Street	horse(s)	93	96
97.	King	crown	13	124
	-	country	63	83
98.	Cheese	mice	25	59
		mouse	13	128
		rat(s)	15	89

37	T T	77
х	H.	VERBS

		XII. VER	BS	
C+:	mulus	Response	Adults	Children
1.	Table	eat	63	
Ţ.	Dark	see	03	358
2.			0	47
3.	Music	pjay	,,	81
_	3.0	sing	12	153
5.	Man	work	17	168
8.	Eating	eat	0	51 29
9.	Mountain	elimb	9	29
10.	House	live	33	165
14.	Hand	work	49	113
		write	3	113 52 153
16.	Fruit	eat	62	153
17.	Butterfly	fly	44	179
20.	Chair	sit	107	430
22.	Chair Whistle	blow	107	
22.	W HISTIE		93	189
	0.11	sing	44 107 95 75 7 8	.6
24.	Cold	freeze	7	68 107
25.	Slow	walk	_8	
26.	Wish	hope	51	10
		want	66	99
27.	River	swim	4	72
30.	Window	look	15	116
33.	Foot	walk	106	205
34.	Spider	crawls	1	54
35.	Needle	sew	134	449
37.	Sleep	dream	28	55
37.	Steep	rest	300	40
		wake	60	
		Wake C-l-	00	6 5 7
38.	Anger	fight	.8	57
39.	Carpet	walk	15	88
43.	Sour	eat	0	54
46.	Soldier	fight	17	160
47. 49.	Cabbage	eat	30	193
49.	Eagle	fly	46	120
50.	Stomach	ache	31	189
•••	Diometa	eat	45	108
52.	Lamp	burn	20	70
53.	Dream	sleep	339	272
22.	Dream		148	356
55. 57.	Bread	cat	140	330
3/.	воу	play	20 31	.84
60.	Boy Bible	read	31	116
63.	Bath	wash	102	143
64.	Cottage	live	17	79
65.	Swift	run	19	202
67.	Hungry	eat	126	337
70.	Head	think	9 12	59
71.	Stove	burn	12	103
		cook	24	62
74.	Whiskey	drink	232	279
77.	Hammer	pound	51	288
78.	Thisets	drink	206	364
79.	Thirsty City	Uillia Um -	206 7	50
/3.	Dutter	live	24	122
81.	Butter	eat	34	144
83.	Loud	holler	16	190
84.	Thief	steal	212	320
85.	Lion	eat	.1	109
		roar	46	52
87.	Bed		0	109
	Dea	lay	8	207
	ьец	rest	132	17
		rest	132	17 453
89.		rest sleep	132	109 17 453 214
89.	Tobacco	rest sleep chew	132 345 28 387	214
	Tobacco	rest sleep chew smoke	132 345 28 387	214 466
90.	Tobacco Baby	rest sleep chew smoke cry	132 345 28 387	214 466 119
90. 91.	Tobacco Baby Moon	rest sleep chew smoke cry shine	132 345 28 387 37 26	214 466 119 107
90. 91. 92.	Tobacco Baby Moon Scissors	rest sleep chew smoke cry shine cut	132 345 28 387 37 26 347	214 466 119 107 802
90. 91. 92. 96.	Tobacco Baby Moon Scissors Street	rest sleep chew smoke cry shine cut walk	132 345 28 387 37 26 347 78	214 466 119 107 802 88
90. 91. 92. 96. 97.	Tobacco Baby Moon Scissors Street King	rest sleep chew smoke cry shine cut walk rule	132 345 28 387 37 26 347 78 10	214 466 119 107 802 88 107
90. 91. 92. 96. 97. 98.	Tobacco Baby Moon Scissors Street King Cheese	rest sleep chew smoke cry shine cut walk rule eat	132 345 28 387 37 26 347 78 10	214 466 119 107 802 88 107 251
90. 91. 92. 96. 97.	Tobacco Baby Moon Scissors Street King	rest sleep chew smoke cry shine cut walk rule	132 345 28 387 37 26 347 78 10	214 466 119 107 802 88 107
90. 91. 92. 96. 97. 98.	Tobacco Baby Moon Scissors Street King Cheese	rest sleep chew smoke cry shine cut walk rule eat fear	132 345 28 387 37 26 347 78 10 67	214 466 119 107 802 88 107 251
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC	132 345 28 387 37 26 347 78 10 67 197	214 466 119 107 802 88 107 251
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid	rest sleep chew smoke cry shine cut walk rule eat fear XIII, PARTIC singing	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid Music Eating	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid Music Eating Chair	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking sitting	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251 14
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid Music Eating Chair Needle	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251 14
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid Music Eating Chair Needle Hungry	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking sitting sewing	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251 14
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Chese Afraid Music Eating Chair Needle Hungry Thief	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking sitting sewing eating	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251 14 23 2 17 81 5
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Chese Afraid Music Eating Chair Needle Hungry Thief	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking sitting sewing eating stealing	132 345 28 387 37 26 347 78 10 67 197 CIPLES	214 466 119 107 802 88 107 251 14
90. 91. 92. 96. 97. 98. 100.	Tobacco Baby Moon Scissors Street King Cheese Afraid Music Eating Chair Needle Hungry	rest sleep chew smoke cry shine cut walk rule eat fear XIII. PARTIC singing drinking sitting sewing eating	132 345 28 387 26 347 78 10 67 197 CIPLES 48 166 107 64	214 466 119 107 802 88 107 251 14 23 2 17 81 5

XIV. ADJECTIVE-NOUNG

		•		
St	imulus	Response	Adults	Children
	Deep	hole	32	257
٥.	БССР	ocean	93	15
		sea	90	14
		water	134	145
_		well	44	87 57
7.	Soft	bed bread	12 4	57 4 5
		cotton	28	57
		cushion	25	39
		pillow	25 53	138
11.	Black	dress	29	63
	o	night	51	15
18. 21.	Smooth Sweet	glass apple(s)	56 14	48 66
21.	Sweet	candy	82	146
		sugar	224	178
24.	Cold	ice	114	84
		snow	45	62
0.5	61	winter	120	103
25. 28.	Slow White	snail cloth	62 17	61
40.	Walte	dress	34	149
		light	51	125
		paper	17	54
		snow	91	65
29.	Beautiful	flower(s)	55	43
31. 36.	Rough Red	boy(s) apple(s)	8 16	126 56
50.	Neu	blood	71	14
		cloth	8	65
		dress	18	85
41.	High	air	5 20	50
		hill	20	92
42.	Working	mountain(s) man	173 1	125 93
44.	MOTKING	men	Ô	52
43.	Sour	apple(s)	37	96
		cream	0	52
		lemon(s)	95	.60
		milk	31	124 110
		pickl e (s) vinegar	41 91	53
48.	Hard	floor	16	53 54
		ground	2	51
		rock	38	92
		stone	102	113
		wood work	66 19	30
54	Yellow	dress	9	89 129
J 7.	1 0110 17	flower	38	105
		light	14	59
		orange	47	81
65.	Swift	horse	28	124
66.	Blue	dress flag	18 6	173 82
		sky	239	102
72.	Long	distance	81	6
		grass	4	7Š
80.	Square	box	36 25	80
		corner(s)	25	89
83.	Loud	noise talk	205 12	201
88.	Heavy	iron	70	130 213
00.	licavy	lead	60	35
		load	57	35 72
		weight	177	39
93.	Quiet	house	3	62
94.	Green	dress	6	100
95.	Salt	grass meat	284 18	2 99
73.	Jail	water	34	60
		mate.	٠.	50

XV. Noun-Adjective

Stimulus	Response	Adults	Children
3. Music	sweet	47	79
3. Music 5. Man 9. Mountain	big	0	26
9. Mountain 10. House	high big	246 4	390
10. House	warm	3	51 62
16. Fruit	good	24	89
17. Butterfly	pretty loud	39	89
17. Butterfly 22. Whistle 35. Needle	sharp	27 152	71
36. Red	bright	40	50 68
39. Carpet	soft	78	28
44. Earth	black	7 61	73
46. Soldier	round brave	46	89 71 56 68 28 73 82 53 52 85
49. Eagle	big sick	70	52
50. Stomach	sick	10	85
51. Stem 55. Bread	long good holy	18	60
55. Bread 60. Bible	holv	21 57	90 68
62. Sheep	w.hite	18	57
68. Priest	Catholic	36	111
69. Ocean 70. Head	deep round	87	23 58
70. Head 71. Stove	black	36 87 21 59 86	38 37
741 61016	hot	86	200
	warm	32	127
75. Child	good small	32 7 52	78
79. City	big	9	45 124
	large	9 62 65	40
81. Butter	soft	65	8
85. Lion	yellow big	80 2	117 83
65. LIUII	fierce	26	119
90. Baby	little	12 42 52 33	119 97
	small	42	90
91. Moon	bright round	52	115 101
92. Scissors	sharp	190	35
95. Salt	white	36	35 97 90
96. Street	white clean	7 5	90
	dirty	20	85
	long narrow	29 21	13
98. Cheese	good	21 15	3 57 76
	yellow	32	76
	XVII. VERB-	Овјест.	
8. Eating	bread	46	178
	food	170	54
26. Wish 77. Hammer	fairy nail(s)	11 283	64
77. Hammer			404
		MPOUNDING	
1. Table	cloth	57	43
26. Wish 34. Spider	bone web	19 188	85
34. Spider 41. High	up	26	261 60
63. Bath	tub	71	131
72. Long	length	50	25
96. Street	car(s)	18	80
	XXII. MISCEI	LANEOUS	
11. Black	color	129	104
14. Hand	clock	1	65
21. Sweet 22. Whistle	taste boy(s) water	57 61	23 103
27. River	water	393	433
28. White	color	170	116
36. Red	color	254	298
38. Anger	cross mad	44 121	56 471
	mean	1	53
42. Working	hard	105	299

St	imulus	Response	Adults	Children
43.	Sour	taste	55	28
46.	Soldier	war	94	203
50.	Stomach	digestion	50	200
54.	Yellow	color	301	320
58.	Light	gas	21	64
50.	Digit	lamp	82	251
		Sun	85	29
60.	Bible	God		
ю.	Dinie		43	124
	701	religion	89	. 4
66.	Blue	color	256	318
67.	Hungry	bread	26	173
		food	136	55
69.	Ocean	water	427	413
77.	Hammer	hard	53	20
78.	Thirsty	water	341	377
80.	Square	block	71	300
89.	Tobacco	habit	94	1
93.	Quiet	sleep	24	72
94.	Green	color	200	237
95.	Salt	taste .	87	21
100.	Afraid	coward	53	19
		night	12	59

Classes XVI, XVIII, XIX and XXI have been omitted from the proceding tables. Under the heading noun-abstract attribute (class XVI), there was only one association of a frequency of over 50 with either adults or children, the association, mountain, -height (adults, 73, children 15). Other cases, of lesser frequency, are the following: butterfly,—beauty; eagle,—flight; Bible,—truth; ocean,—depth; child,—innocence; and lion. strength. Under the heading of pronouns (class XVIII), we have simply included every response consisting of a pronoun. The list of responses called non-specific (class XXI) has already been given in the earlier part of this chapter. Associations by sound-similarity (class XIX) in no case reach a frequency as high as 50, and in most cases have a frequency of only one or The following list of illustrations will suffice: table, able; dark,—mark; short,—port; slow,—oh; wish,—mish; river, -sliver; red,-Ed; anger,-angry; high,-height; working,work; city,—citizen; blue,—mew; stove,—love; stove.—move; and afraid,-maid.

CHAPTER VII

Comparison of Preferred Responses of Children and Adults

We have listed below the three most frequent responses of both children and adults. The results for the children are taken from our children's frequency tables and those for adults from the Kent-Rosanoff tables. The frequencies of the three commonest responses of each group are given in heavy faced figures. For each of these three highest frequencies of one group, are given the corresponding frequencies of the other group. example, with the stimulus word music, the three commonest adult responses are piano (180), sound (95) and song (68), while the three commonest children's responses are piano (198). sing (153) and sweet (79). Sound and song are not among the children's three most frequent responses, but their frequency with children is given, for the sake of comparison, in plain type Similarly, the words sing and sweet, though not among the adults' three most frequent responses, have their frequency given in plain type. The table follows.

COMPARISON OF PREFERRED RESPONSES

Stimulus	Response		uencies	Stimulus	Response	Freq	uencies
Word	Word.		Children	Word	Word		Children
1. Table	chair	267	16		male	99	8
	wood	76	21		boy	44	29
	furniture	75	0		work	17	168
	eat	63	358		hat	7	82
	dishes	40	126		person	30	45
	legs	10	70				
	6-		• -	6. Deep	shallow	180	6
2. Dark	light	427	38	Gtcp	water	134	145
2. Da. x	night	221	421		ocean	93	15
	black	76	80		hole	32	257
	see	ñ	57		well	44	87
		-					
3. Music	piano	180	198	7. Soft	hard	365	27
3. Medale	sound	95	35		pillow	53	138
	song	68	50		easy	34	15
	sing	12	153		bed	12	57
	sweet	47	79		cotton	28	57
	0,100	7,7	••				
4. Sickness	health	142	6	8. Eating	food	170	54
4. DICKITESS	death	115	6 8 5		drinking	166	2
	illness	71	ç		bread	46	178
	doctor	62	116		table	21	108
	bed	54	105	0.35	Link	040	000
	ill			9. Mountain		246	390
	111	48	95		hill	184	91
		004			valley	90	3
5. Man	woman	394	8		snow	10	61

	Stimulus Word	Response Word		uencies Children		Stimulus Word	Response Word		encies Children
10.	House	home building barn live warm big	103 78 74 33 3	39 16 12 165 62 51		Wish	desire want hope bone fairy	197 66 51 0 19	4 99 10 85 64
11.	Black	white dark color dress	339 172 129 29	27 315 104 63		River	water stream lake swim	117 65 4	30 42 72
14.	Hand	foot fingers arm work clock	204 83 68 49	0 130 44 113 65		White	black color snow dress light	308 170 91 34 51	28 116 65 149 125
					29.	Beautiful	pretty handsome nice lady	113 86 73 5	280 13 169 38
15.	Short	long tall small little	279 168 136 15	54 12 214 157	30.	Window	glass light pane look	316 186 82 15	421 47 62 116
16.	Fruit	apple apples vegetable eat	157 102 75 62	131 174 10 153	31.	Rough	smooth hard uneven boy mean	346 38 38 4 1	35 144 13 89 71
17.	Butterfly	insect bird fly wings pretty	261 64 44 31 39	66 57 179 114 8 9	33.	Foot	hand shoe walk toes leg	185 146 106 41 54	5 73 205 81 79
18.	Smooth	rough soft glass even nice	277 79 56 30 4	35 132 48 70 68	34.	Spider	insect web fly legs bug	276 188 136 27 58	57 261 40 107 83
	Chair	table seat sit set	191 127 107 0	29 131 430 38	35.	Needle	thread sharp pin sew sewing	160 152 147 134 107	72 56 36 449 81
21.	Sweet	sour sugar candy good	301 224 82 26	178 146 213	36.	Red	color blue white dress	254 99 97 18	298 9 18 85
22.	Whistle	noise sound blow boy	173 103 95 56	185 18 189 79	37.	Sleep	bright rest awake	40 300 94	68 40 14
23.	Woman	man female girl lady	292 134 59 41	17 9 17 24 3	38.	Anger	bed night tired temper mad	75 49 26 149 121	351 95 67 8 471
24.	Cold	dress mother warm	28 30 166	96 53 25		_	wrath cross fight	52 44 8	56 57
		hott winter ice freeze	151 120 114 7	12 103 84 68	39.	Carpet	floor rug soft walk	256 163 78 15	149 245 28 88
25.	Slow	fast easy snail lazy walk	316 63 62 28 8	65 13 2 138 107	40.	Girl	boy female woman dress child	350 77 61 8 49	40 22 8 240 45

Stímulus Word	Response Word		uencies Children	Stimulus Word	Response Word		uencies Children
41. High	low mountain tall hill	328 157 57 20	25 120 56 92	55. Bread	food butter eat flour	191 151 148 88	37 68 356 95
42. Working	up labor	26 147	60 18	57. Boy	good girl	21 319	90 32
va. Working	hard busy man men	105 51 50 6	299 49 93 51	37. Hoy	man child play pants	104 86 20 6	61 45 84 63
43. Sour	sweet vinegar lemon milk pickles	349 91 78 31 26	75 53 57 124 89	58. Light	dark darkness sun lamp bright	231 93 85 82 47	99 0 29 251 74
44. Earth	ground dirt clay round	166 115 71 61	223 102 0 82	60. Bible	book religion holy God read	338 89 57 43 31	224 4 68 124 116
46. Soldier	man army war fight	189 137 94 17	95 63 203 160	62. Sheep	animal lamb wool	225 151 143	117 79 411
47. Cabbage	vegetable plant green eat leaves	394 48 44 30 11	140 27 21 193 62	63. Bath	water clean cleanliness wash	339 120 109 102	295 192 1 143
48. Hard	soft stone wood rock	367 102 66 38 19	65 113 30 92	64. Cottage 65. Swift	house home country lake	461 85 36 5	425 101 6 117
49. Eagle	work bird fly flying wings	568 46 23	89 373 120 10 49	os. Switt	slow quick run horse	190 117 19 28	28 10 202 124
50. Stomach	food body organ ache eat	102 99 81 31	82 78 0 189	66. Blue	color sky green dress	256 239 54 18	318 102 1 173
51. Stem	sick flower leaf	45 10 259 96	108 85 367	67. Hungry	food eat eating bread	136 126 64 26	337 5 173
	plant flowers long	74 7 18	25 80 60	68. Priest	minister church clergyman Catholic	178 166 62 36	168 271 0 111
52. Lamp	light oil chimney burn glass	650 49 37 20 8	648 38 18 70 50	69. Ocean	water deep sea waves	427 87 75 45	413 23 88 88
53. Dream	sleep vision night bed	339 48 42 11	272 4 260 78	70. Head	hair body foot brains eyes	159 146 64 32 10	203 26 0 137 91
54. Yellow	color white orange dress flower	301 70 47 9 38	320 5 81 129 105	71. Stove	fire heat hot warm	217 213 86 32	164 117 200 127

Stimulus Word	Response Word	_	uencies Children				
72. Long	short distance length far	413 81 50 8	45 6 25 90		sleeping night lay	41 11 8	16 106 109
74. Whiskey	grass big drink	4 1 232	75 55 279	88. Heavy	light weight iron hard	273 177 70 38	54 39 213 178
	liquor alcohol beer drunk	70 50 46 31	97 15 108 138	89. Tobacco	load smoke smoking	57 387 98	72 466 28
75. Child	baby infant boy children	193 122 64	18 5 3 90 94	90. Baby	pipe chew child	69 28 238	70 214 172
77. Hammer	girl nail nails	45 185 98	93 218 186		infant small cry little	168 42 37 12	20 90 119 97
78. Thirsty	tool pound water	69 51 341	11 288 377	91. Moon	light sun stars	231 120 93 66	155 14 10 128
79. City	dry drink town	218 206 258	132 364 110	92. Scissors	night bright cut sharp	52 347 190	115 115 802 35
7). 610	New York country Minneapolis big	99 74 0 9	2 86 218 124	93. Quiet	cutting still noisy	114 136 113	300 18
80. Square	round block table	250 71 47	35 300 5		rest noise sleep	68 50 24	70 72
81. Butter	corner oblong bread	7 32 206	83 95 467	94. Green	grass color yellow dress	284 200 54 6	272 237 6 100
03. P. 44.	milk yellow eat	101 80 34	47 117 122	95. Salt	pepper sugar taste	142 88 87	29 23 21
82. Doctor	physician medicine sickness sick man	213 149 104 52 68	6 1 36 34 448 1 32	96. Street	bitter meat white	40 18 36	110 99 97
83. Loud	noise soft noisy	205 165 112	201 13 11	90. Street	road city walk dirty	91 82 78 5	60 8 88 85
84. Thief	holler talk steal	16 12 212	190 130 320	97. King	car queen ruler	10 354 162	79 50
85. Lion	robber burglar animal	126 118 326	229 64 205	93. Cheese	crown rule butter	63 10 136	124 107 49
	tiger beast fierce eat	102 67 36 1	13 95 119 109		milk food eat mouse yellow	106 91 67 13 32	32 17 251 128 76
86. Joy	happiness sorrow pleasure happy glad	215 135 121 71 27	25 0 6 260 203	99. Blossom	flower flowers apple	467 73 50	486 93 87
87. Bed	glad fun sleep rest	345 132	182 453	100. Afraid	fear dark scared dog	197 114 106 1	14 151 290 73

The preceding table shows in a striking manner how dissimilar are responses given by children from those given by adults. Only for 39% of the stimulus words is the most frequent response the same for both adults and children. Only for five stimulus words are the three most frequent adult responses also the three most frequent child responses. These stimulus words, with their responses, are sheep (animal, lamb, wool), thirsty (water, dry, drink), thief (steal, robber, burglar), scissors (cut, sharp, cutting) and blossom (flower, flowers, apple).

It may be observed that the response given most frequently by the adults is less apt to be one of the three most frequent children's responses than is a response given most frequently by the children to be one of the three most frequent of the adults' responses. The favorite adult reaction is one of the three most frequent of the children's in 50 per cent of the cases, while the children's favorite reaction is one of the adults' three most frequent in 74 per cent of the cases. Now it is shown in Chapter VIII that there are more adult responses not given by children than there are children's responses not given by adults. We may consequently conclude that the adult responses differ from children's not so much because of the dropping off of the children's responses as by the occurrence of additional responses. Of course the occurrence of additional responses causes a decrease in the percentage of the child responses given by adults. The range of adult responses is, however, broader than that of the children's. The adults retain what the children have and acquire much more besides.

It is of interest to note, further, how the absolute frequencies of the three preferred reactions of adults and children compare with each other. The average frequency of the favorite adult reaction is 264 (median 252), of the favorite children's reaction 270 (median 251). The number of adults' frequencies over 400 is 7, and of children's, 16. The number of adult frequencies over 300 is 34, and of children's, 36. The percentage of the entire 90,000 responses included by the three most frequent words is, for adults, 46% and for children, 48%. It is evident, then, that, with the list of stimulus words here used, there is not

much difference between children and adults in the average frequency of the favorite reaction. This result is very interesting when compared, with the findings of Saling, Reinhold and Römer.¹

¹ See Chap. II, pp. 10-13 and 20-21.

CHAPTER VIII

INDIVIDUAL RESPONSES AND TOTAL NUMBER OF RESPONSE WORDS

The tendency of children, as compared with adults, to give individual responses has not hitherto been properly set forth. We will show that previous experimenters have not succeeded in reaching a general answer to the question whether children give more individual responses than adults. With the list of stimulus words we have used, children give decidedly fewer individual associations than adults.

A great deal of misunderstanding must exist regarding this matter, as nearly all experimenters (Ziehen, Wreschner, Saling, Reinhold and the Rosanoffs) have been cited to the effect that children give distinctly fewer common associations (and hence more individual association) than adults.¹ That the work of these experimenters has been incorrectly interpreted, we believe can be easily pointed out.

In the first place, Ziehen did not draw any conclusion concerning common and individual associations. He could not, because to do so requires frequency tables, and Ziehen had no frequency tables. It is true that Ziehen concluded that the commonest effect of the stimulus word in children is to call up an individual representation (Individualvorstellung). But the term, individual, as here used by Ziehen, is far from meaning an association not given by others. It means a concrete image as contrasted with a general idea.

Considering next the work of Wreschner, we have simply to observe that conclusions concerning the tendency of children to give individual associations, a matter which has to be determined statistically, can not very safely be drawn from an investigation employing but 2 subjects, both under 6 years of age.

¹ See Whipple G. M., 'Manual of Physical and Mental Tests,' 2d Ed., Part II, 1915, p. 60.

Saling did not consider the matter of individual associations, but made merely a comparison of children and adults with respect to the frequency of the favorite, or most frequent, reaction.²

Reinhold, like Saling, did not consider the matter of individual associations, but merely the variation with age in the average frequency of the favorite response. On this point his data are materially different from those of Saling.³ If it be said that these investigators show that the most frequent reaction has a higher frequency with adults than with children, and that consequently children must be supposed to give a larger number of individual associations, we can only ask, who has shown this? Our own data, and, on this point, there are no other at hand, show no such relation between the frequency of preferred responses and the total number of responses. We find the average frequency of the most frequent response to be very nearly the same in both children and adults whereas we find that adults give a decidedly larger number of individual associations.

We come, lastly, to the investigation made by the Rosanoffs. What the Rosanoffs actually showed is that younger children give a larger percentage of responses not found in the Kent-Rosanoff adult tables than do the older children. This conclusion should not be misleadingly stated by saying simply that children give more individual associations than adults. That children would give adult responses less often than adults seems clear. When, however, one says that children give more individual associations than adults, he implies that they give more responses with a frequency of only one. This is not the case, as will be seen below.

In order, now, to show the tendency of children, as compared with adults, to give individual associations, we give merely the number of associations in both the children and adult tables with a frequency of one. With children, we take as individual responses, those which have a frequency of only one in our children's (written) frequency tables. With adults, we take as individual responses, those with a frequency of one in the Kent-Rosanoff tables. This means we follow the same procedure with

² See Chapter II, p. 10, 11.

³ See Chapter II, p. 13.

both children and adults that Kent and Rosanoff do in the case of adults. We shall not, however, make any distinction between 'doubtful' reactions and individual reactions. We define as an individual association, then, any response occurring only once in a frequency table of 1,000 responses. This is a technical definition. Broadly speaking, we regard as an individual association any association not commonly given by persons of the class in question. In order to get figures, it is necessary to agree on some standard for determining whether an association is commonly given. We arbitrarily agree to call uncommon an association found only once in a thousand cases.

The figures on individual associations, as defined above, for both adults and children, are given in the accompanying table.

		INDIVIDUAL	RESPONSES,	Nanety	STIMU	LUS WORDS	
	Stimulus	Children	Adults	Sti	mulus	Children	Adults
1.	Table	49	66		tem	69	57
2.	Dark	50	70	52. L	amp	37	39
3.	Music	45	92)ream	77	117
4.	Sickness	54	81	54. Y	ellow	66	79
5.	Man	59	111	55. H	read	46	52
6.	Deep	19	70	57. E	Boy	85	105
7.	Soft	64	79	58. I	ight	62	84
8.	Eating	46	82		Bible	38	63
ğ.	Mountain	52	82	62. S	heep	64	62
10.	House	55	96	63. B	Bath	39	46
11.	Black	49	62	64. C	ottage	48	75
14.	Hand	65	80		wift	51	77
15.	Short	75	101		llue	64	65
16.	Fruit	23	61	67. H	lungry	87	92
17.	Butterfly	29	77		riest	54 40	91
18.	Smooth	41	91	69. O	cean :	62	58
20.	Chair	24	54		lead	30	84 44
21.	Sweet	35	55		tove	95	116
22.	Whistle	45	84	72. L	ong	41	94
23.	Woman	54	89	74. W	hiskey	73	91
24.	Cold	51	70		hild	46	51
25.	Slow	30	131	77. H	lammer	28	47
26.	Wish	44	144		hirsty	53	78
27.	River	23	75		ity	67	105
28.	White	76	79		quare	32	48
29.	Beautiful	33	109		utter	39	98
30.	Window	48	52		octor	72	75
31.	Rough	68	121	83. L	oud	50	98
33.	Foot	68	69	84. T	hief	48	81
34.	Spider	56	77	85. L	ion	47	104
35.	Needle	24	35	86. J	oy_	31	54
36.	Red	65	70		ed	63	100
37.	Sleep	67	71		leavy	32	70
38.	Anger	68	175		obacco	54	85
39.	Carpet	56	62		aby	33	58
40.		55	104		loon	23	49
41.	High	72	61		CISSOTS	53	100
42.	Working	70	122		uiet	58	65
43.	Sour	53	50	94. Ĝ	reen	60	80
44.	Earth	59	80		alt	62	89
46.	Soldier	48	88		treet	84	72
47.	Cabbage	36	58	97. K	ing	32	75
48.	Hard	67	93		heese	6 9	57
49.	Eagle	49	53	99. B	lossom	39	52
50.	Stomach	70	84	100. A	fraid.	49	124

*Kent and Rosanoff classify as 'doubtful' any response which occurs only once, but it is a grammatical variant of some other obtained response.

Sum mary		
Total number	Children 4,702	Adults 7,171
Per Cent of all Responses	5.2	8.0
Av. per Stim. Word	52	80
Median per Stim Word	50	79

In the case of only five words, does the number of individual responses given by the children exceed that given by the adults. These five words are high, sour, stem, sheep, and king. The largest number of individual responses given by the children is 95, to the word long. The largest number given by the adults is 175, to anger. The adults give over 95 individual responses to each of 20 words. For 92 per cent of the words, the number of individual responses for the adults exceeds the median number for the children. It is clear, then, that children give decidedly fewer individual associations than adults.

Besides the percentage of individual responses, that is, of responses of a frequency of one, it is of interest to note the percentage of responses of other frequencies. This is shown in the following table, which gives the percentage of the total number of responses, made up by responses of various specified frequencies.

Percentages (of all Responses) Composed by Responses of Various
Frequencies

Frequency	Percentage of Children	all Responses
1	5.2	8.0
29 incl	12.4	13.6
1099 "	39.3	37.7
100199 "	16.8	16.0
200299 "	10.1	10.7
300399 "	7.7	10.2
400 or over	8.5	3.8

In this connection, it is interesting to note that adults give more of the children's responses than do children of the adults' responses. To show this, we have determined, first, the number of responses given by adults not occurring in our children's frequency tables (written responses) and, second, the number of responses given by children not occurring in the Kent-Rosanoff tables. The adults give 8,847 words which do not occur in our children's frequency tables. These words have a combined or total frequency of 19,742. The children, on the other hand, give only 5,253 words not occurring in the Kent-Rosanoff tables. The total frequency of these words is 12,510. These results are in accord with the general fact, already noted in another con-

nection,³ that the adults tend to keep the children's responses, while acquiring new ones. This is what we should expect, since evidently all the children's responses are responses which adults could give and would give occasionally, whereas a great many of the adult responses involve associations that are hardly possible for the child, if for no other reason, on account of his limited experience and speech endowment. The adults' experience *includes* the child's experience.

Lastly, we may consider the total number of different response words given. The data are given in the accompanying table.

TOTAL NUMBER OF RESPONSE WORDS, NINETY STIMULUS WOR	Тотаь	NUMBER	OF	RESPONSE	WORDS.	NINETY	STIMULUS	WORD
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	IOIAD	. CHIBER O	r ression se	W OKDS,	7,11,1511	DIIMOLOS	WUKDS
	Stimulus	Children	Adults	5	timulus	Children	Adults
1.	Table	104	124	51.	Stem	103	120
2.	Dark	104	114	52.	Lamp	63	78
3.	Music	84	172	53.	Dream	125	185
4.	Sickness	123	145	54.	Yellow	104	149
5.	Man	150	169	55.	Bread	83	104
6.	Deep	112	119	57.	Boy	159	174
	Soft	163	155	58.	Light		
7.			168	60.	Bible	117	142
8.	Eating	127		62.	Dible	91	128
.9.	Mountain	103	142		Sheep	106	110
10.	House	144	184	63.	Bath	71	93
11.	Black	112	109	64.	Cottage	80	142
14.	Hand	148	146	65.	Swift	89	127
15.	Short	138	159	66.	Blue	108	116
16.	Fruit _	70	123	67.	Hungry	136	173
17.		81	145	68.	Priest	92	161
18.	Smooth	116	157	69.	Ocean	69	110
20.	Chair	77	107	70.	Head	115	163
21.	Sweet	82	95	71.	Stove	57	91
22.	Whistle	114	151	72.	Long	178	178
23.	Woman	129	163	74.	Whiskey	71	152
24.	Cold	118	123	7 5.	Child	115	162
25.	Slow	128	204	77.	Hammer	76	109
26.	Wish	106	232	78.	Thirsty	52	86
27.	River	73	127	79.	City	109	131
28.	White	125	135	80.	Square	122	195
29.	Beautiful	110	182	81.	Butter	58	101
30.	Window	88	102	82.	Doctor	68	151
31.	Rough	156	201	83.	Loud	115	140
33.	Foot	112	127	84.	Thief	86	170
34.	Spider	105	126	85.	Lion	93	137
35.	Needle	61	72	86.	Joy	88	172
36.	Red	112	138	87.	Bed	72	112
			129	88.	Heavy	109	158
37.		105	281	89.	Tobacco	64	122
38.	Anger	99		90.	Baby		150
39.	Carpet	106	135			104	
40.	Girl	123	169	91.	Moon	75	110
41.	High	130	120	92.	Scissors	36	181
42.	Working	127	221	93.	Quiet	96	167
43.	Sour	89	91	94.	Green	96	122
44.	Earth	109	162	95.	Salt	107	146
46.	Soldier	91	159	96.	Street	119	163
47.		80	126	97.	King	135	120
48.	Hard	110	156	98.	Cheese	60	146
49.		89	109	99.	Blossom	63	99
50.	Stomach	123	162	100.	Afraid	92	189

Summary		
	Children	Adults
Total Number	9,183	12,871
Average per Stimulus Word	102	143
Median " " "	105	142

³ See Chapter VII, p. 97.

The total number of response words is greater with adults in the case of all but 6 stimulus words. These 6 stimulus words are soft, black, hand, high, long and king. They each have an opposite or coordinate similar to an opposite (as hand,—foot and king,—queen) which, in accordance with the general rule, absorbs a much larger portion of the adults' responses than of the The largest array of responses given by the chilchildren's. dren occurs with the word long, to which they give 178 responses, whereas the adults give as high as 281 responses to the word anger, and give over 200 responses to each 5 words. For 80 per cent of the stimulus words, the number of responses given by the adults is larger than the median number given by the children. Of the 12,871 adults' response words, 8,847, or 69 per cent, are not given by the children; while of the 9,183 children's response words, 5,253, or 57 per cent, are not given by adults.

CHAPTER IX

COMPARISON OF ORAL AND WRITTEN RESPONSES

Since the Kent-Rosanoff data were obtained orally, while ours were obtained in writing, it seemed desirable to check up our data with results obtained orally. This we did, as already explained, in the case of the first 9 words. We find that the written and oral results, taken as a whole, are essentially similar. Since the 9 words used constitute a fair sample of the whole list, it may be presumed that our results are valid no matter which method is used.

In the preceding chapters, we have drawn conclusions concerning the differences between children and adults on the following points:

- 1. The frequencies of various association types.
- 2. Preferred reactions and their frequencies.
- 3. Individual responses and the total number of response words.

We shall proceed to compare, on each of these points, the responses obtained orally and those obtained in writing. By putting the Kent-Rosanoff data on adults alongside our data on children, we will show that every conclusion we have drawn holds for the children's oral responses as well as for their written ones.

1. The Frequency of Various Association Types.—We give below the total number of associations of each type obtained in response to the first 9 stimulus words. In the first column, is given the number of children's written responses, in the second, the number of children's oral responses and in the third, the number of adults' responses. That the 9 words here considered are fairly representative of the total results, is shown by the fact that for most types the ratios between children and adults are roughly the same for the 9 words as for the total results.

TOTAL FREQUENCIES OF VARIOUS ASSOCIATION TYPES
NINE STIMULUS WORDS

	Association		Children	Adults
	Туре	Written	Oral	(Oral)
	(Contrast	143	282	1,680
	Noun-Abst. Att.	15	0	73
Preferred	Part-Whole	0	0	0
by	Superordination	96	102	352
Adults	Participles	93	133	360
	Coordination	271	356	564
	Cause-Effect	136	138	313
	⟨ Verbs	1,037	1,058	136
	Verb-Object	463	453	296
	Noun-Adj.	838	818	420
Preferred	Adi. Noun	1,093	1,075	715
by	Contiguity	1,381	1,281	581
Children	Whole-Part	203	211	158
Cuttaten	Subordination	533	415	333
	Pronouns	30	35	1
	Sound Similarity	86	76	4
	Word Compounding		100	109
	Similarity	360	406	563
Equally	Effect-Cause	44	39	91
Frequent	{ Material	33	26	78
in Both	Non-Specific	748	737	595
Groups	Miscellaneous	15	10	i
	•			

The agreement between the children's oral data and their written data is so close that there can be little question but that all our conclusions would hold as well for the one as for the other. It is interesting to note, however, that orally the children give nearly twice as many associations by contrast and also more coordinates and more participles than they do in writing. They seem, further, to give fewer subordinates and fewer associations of the class verb-object. These differences may not be reliable. but they seem sufficiently marked to suggest that somehow they are correlated with the difference in method. Just why children should give opposites orally more frequently than in writing is hard to say. It can hardly be due to any difficulty in writing, since many words which are written infrequently as opposites are written very frequently when they form associations of some type more characteristic of children. This whole matter of the difference between the mental attitudes in writing and speaking should be made the object of a special investigation. The results here obtained suggest one method.

2. Preferred Reactions and Their Frequencies.—In the adjoining table, will be found the three most common reactions for each of the nine stimulus words used orally.

		THREE	Mosa	FREQUE	NT F	RESPONSES	
			Chi	ldren			dults
	Stimulus	Wi	ritten		ral	((Oral)
1.	Table	358 €	eat	331	eat	267	chair
		126 6	lishes	115	dishe	s 76	wood
		70 1	egs	56	legs	75	furniture
2.	Dark	421 r	ight	410	night	427	light
		80 l	lack		black	221	night
		57 s	ee	98	light	76	black
3.	Music	198 1	oiano	236	sing	180	piano
		153 s	ing	166	piano	95	sound
		79 s	weet	66	notes	68	song
4.	Sickness	116 d	loctor	131	bed	142	health
		105 b	oed	116	docto		death
		95 i	11	94	ill		illness
5.	Man	168 v	work	153	work	394	woman
٠.	2.2.02-	82 I			hat		male
		45 1	person	57	big		boy
6.	Deep	257 ł	iole	244	hole	180	shallow
٠.			water		water		water
		87 v			well		ocean
7.	Soft	138 г	oillow	122	pillov	, 365	hard
•	5011	57			cushi		pillow
			otton		cotto		easy
8.	Eating	178 t			bread		food
		108 t			table	166	drinking
		54 1	food	103	food	46	bread
9.	Mountain	390 1	high	432	high	246	high
		91 1		104	hill	184	hill
		61 s	now	50	climb		valley

The table shows that the dissimilarity between the preferred responses of children and adults is as striking with the children's oral responses as with their written. The average frequency of the children's most frequent response is 246 with the oral data, and 247 with the written data. The total frequency for the three preferred responses for all nine stimulus words is 3,891 with the children's oral results, and 3,776 with the written. With such close agreement between the oral and written data in the preferred responses and their frequencies, it is clear that any conclusions on these points hold equally well for oral and for written data.

3. Individual Responses and Total Number of Response Words.—The total number of response words given to a stimulus word is, on the average, exactly the same for the written and for the oral data, and the number of individual responses is nearly the same. Our conclusion that adults give more individual responses and also a larger total number of response words than children evidently holds for the oral data as well as for the written. The figures are as follows:

Number of	Individual Ri	ESPONSES	TOTAL	NUMBER OF	Response	Words
Stimulus	Chile	iren	Adults	Childs	en	Adults
Word	Written	Oral	(Oral)	Written	Oral	(Oral)
1. Table	49	47	66	104	103	124
2. Dark	50	59	70	104	113	114
3. Music	45	47	92	84	102	172
4. Sickness	54	53	81	123	110	145
5. Man	59	75	111	150	161	169
6. Deep	49	57	70	112	107	119
7. Soft	64	77	79	163	160	155
8. Eating	46	39	82	127	112	168
9. Mountain	52	51	82	103	100	142
Total Numbe	er 468	505	733	1,070	1,068	1,308
Av. per Stimuli	18 Word 52	56	81	119	119	145

CHAPTER X

GENERAL SUMMARY

The present work contains children's association frequency tables for each of 100 stimulus words. The tables are composed of the responses of 1,000 Minneapolis school children, from 9 to 12 years of age inclusive, all in the fourth and fifth grades.

The list of stimulus words contains 90 words of the Kent-Rosanoff list. A comparison is made in the case of these 90 words between the children's associations and the associations of adults as shown by the Kent-Rosanoff tables.

The chief points established by this comparison may be stated as follows:

- 1. In general, children's associations differ enormously from those of adults.
- 2. Marked differences exist between children and adults in the frequency of various types of association. The types which occur more frequently with adults than with children are the following: contrast, superordination, coordination, part-whole, noun-abstract attribute, participles and cause-effect. The types which occur more frequently in children than adults are the following: verbs, verb-object, noun-adjective, adjective-noun, pronouns, sound similarity, contiguity, whole-part and, less definitely, subordination and word-compounding. No reliable difference was found between the groups with respect to the following types: similarity (in meaning), material, effect-cause, non-specific reactions and a miscellaneous group. The results concerning associations of the class, effect-cause, are not regarded as very reliable.
- 3. With only 39 per cent of the stimulus words, is the most frequent response the same for both children and adults. Only with five words, are the three most frequent responses the same for both children and adults.
 - 4. The frequency of the favorite, or most frequent response,



is about the same for both groups, as is also that of the three most frequent responses. Thus the medium frequency of the favorite response is 251 for children and 252 for adults, while the percentage of all responses included by the three preferred responses is 48 for children and 46 for adults.

- 5. Children give fewer individual responses than adults. Defining as individual responses, those with a frequency of only one in the frequency tables, it may be said that, on the average, children give only fifty-two individual responses to a stimulus word, whereas adults give eighty.
- 6. The number of different words given in response to any stimulus word is less with children than with adults, being, on the average, 102 with children and 143 with adults.
- 7. The adults give more of the children's response words than the children do of the adults'. Thus, the adults give 8,847 words not given by the children. These words have a combined frequency of 19,742. The children, on the other hand, give only 5,253 words not given by the adults. Their combined frequency is 12,510. Moreover, in the case of any stimulus word, the children's favorite response is more apt to be given frequently by adults than is the adults' favorite response to be given frequently by children. Thus, the favorite adult response is one of the children's favorite response is one of the adult's three most frequent in 59 per cent of the cases while the children's favorite response is one of the adult's three most frequent in 74 per cent.

The preceding conclusions have general validity only in so far as the list of stimulus words used can be called representative. They are not dependent upon the manner in which the responses are given, since they hold as well for oral responses as for written. They hold likewise for children of each of the four age groups used, since the differences with age found in the children is slight as compared with the differences between children and adults