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A FREE-ASSOCIATION WORD LIST FOR THE WILLAMETTE VALLEY.

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OREGON UNIV., EUGENE

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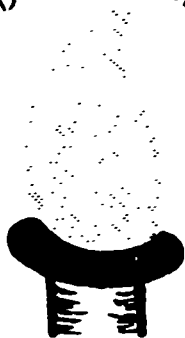
DESCRIPTORS- *WORD LISTS, *VOCABULARY, *LANGUAGE RESEARCH, VOCABULARY DEVELOPMENT, BASIC VOCABULARY, WORD FREQUENCY, OREGON SCHOOL STUDY COUNCIL, SCHOOL OF EDUCATION, UNIVERSITY OF OREGON, EUGENE, OREGON,

THE 1926 BUCKINGHAM-DOLCH WORD STUDY WAS REPLICATED TO DETERMINE THE PRESENT-DAY VALIDITY OF THE 1926 BUCKINGHAM-DOLCH LIST. APPROXIMATELY 8,000 CHILDREN IN GRADES 2 THROUGH 6 FROM SIX SCHOOL DISTRICTS IN WILLAMETTE VALLEY, OREGON, WERE ASKED TO LIST ALL THE WORDS THEY COULD THINK OF WITHIN A 15-MINUTE PERIOD. RESPONSES WERE KEY PUNCHED ONTO DATA CARDS AND RECORDED ON MAGNETIC TAPE. COMPUTERS MEASURED PUPIL PERFORMANCE, ALPHABETIZED THE WORDS, COUNTED FREQUENCIES, EDITED THE WORDS, SORTED THEM INTO IDENTICAL FREQUENCIES, AND ASSIGNED GRADE PLACEMENTS. THE 1926 AND 1966 LISTS WERE THEN MERGED, AND THE GRADE LEVEL DISTRIBUTIONS WERE TABULATED. IT WAS CONCLUDED THAT THE 1926 FREE-ASSOCIATION LIST WAS NO LONGER REPRESENTATIVE OF STUDENTS' VOCABULARIES IN TERMS OF LIST CONTENT, GRADE PLACEMENT, AND STUDENT PERFORMANCE. MORE STUDENTS KNEW THE SAME WORD IN 1966 THEN IN 1926, ALTHOUGH 1966 STUDENTS KNEW FEWER WORDS THAN THE 1926 STUDENTS. ONLY THE 1966 LIST IS PRESENTED HERE. THE MERGED LISTS OF 1926 AND 1966 WILL BE PUBLISHED LATER. THIS IS ALSO AVAILABLE AS OREGON SCHOOL STUDY COUNCIL BULLETIN, VOL. 11, NO. 3, SEPTEMBER 1967 FOR \$1.50. (NS)

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OREGON SCHOOL STUDY COUNCIL

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OREGON SCHOOL STUDY COUNCIL

School of Education

University of Oregon, Eugene, Oregon

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Vol. 11, No. 3

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INTRODUCTION

Edgar Dale wrote in 1956:

To have data on the vocabulary of individuals whom we are trying to teach is imperative. Let us not call such data 'mere words.' Words represent the concepts, the distillate of previous experience.¹

McKee listed five ways vocabulary research can be, or is used:

1. It provides for a better selection of a spelling vocabulary.
2. It can insure better grade placement of a spelling vocabulary.
3. It can be used as a foundation for grammar courses.
4. It can assist in grade placing topics.
5. It can guide programs for developing reading vocabularies and meanings.²

The four most significant vocabulary lists in the areas of reading, writing, and spelling appear to be the International Kindergarten Union List, Thorndike's List, the Buckingham-Dolch Combined Word List, and the Dale-Chall List. The IKU List was published in 1928; Thorndike's first publication was in 1921; and the Buckingham-Dolch List was published in 1936. The Dale-Chall List, published in the late 1940's, involved the merging and tabulation of data of which some was originated by Thorndike and Dolch.

No literature was discovered that describes the form and the extent of the utilization of the Dolch lists in the classroom. A few titles suggest or imply usage. Betts named six lists that were selected "...on

¹Edgar Dale, "The Problem of Vocabulary in Reading," Teaching Reading: Selected Materials, ed. Walter Baube (New York: Oxford University Press, 1965) p. 108. Reprinted from Educational Research Bulletin, 35:113-123, May 1956.

²Paul McKee, "Research Values in Children's Writing Vocabularies," Elementary English Review, 7:73-77, March 1930.

the basis of their availability and general use." One of these six is the Buckingham-Dolch Combined Word List.¹ This writer interviewed approximately 120 teachers regarding the Dolch lists. The following conclusions were drawn from the interviews:

1. The Dolch lists are familiar to most teachers in remedial and primary reading.
2. The use of the lists may be greatest in the area of remedial reading.
3. Few people are aware of the origins and the ages of the lists.

The primary purpose of this study was to measure the reliability of the Buckingham-Dolch Free-Association Word Study and thus determine the present-day validity of the Free-Association Word List.

In so far as possible, this study was a replication of the 1926 Buckingham-Dolch Free-Association Word Study.

The classroom teachers administered the Response Period. The students were asked to think of and list all the different words that came to mind, for a period of fifteen minutes. The words from the students' Response Sheets were key-punched onto data cards and then recorded onto magnetic tape. Computer programs were used to measure pupil performances, alphabetize the words, and count frequencies. Additional programs edited the words into tabulation forms, removed International Kindergarten Union words, and sorted the words into groups of identical frequencies.

The word tabulation procedures were (1) all regular inflectional forms were transformed to root form, and (2) proper names, abbreviations, contractions, and poetic forms were eliminated. Classroom teachers from western Oregon and Washington selected the frequency of

¹Emmett A. Betts, Foundations of Reading Instruction (New York: American Book Co., 1946), pp. 695-696.

three as minimum grade placement criterion. Computer processing assigned grade placements, carried words with less than Criterion Frequency upward through the grades, and deleted duplicate word listings from the higher grades.

The 1966 and 1926 lists were merged and the grade level distributions of the words were tabulated. The two lists were compared by the tabulations for percent of words unique of each list and the shift in grade levels by the words. The statistical significance of the percents were determined by the critical ratios of the percents.

The population consisted of 8,506 students, second through sixth grades, drawn from six school districts located on the Willamette River Plain. All of these students were enrolled in regular classrooms.

Summary of the Findings

Obtained Words. The number of different words obtained was 9,045 from 849,157 running words. The type-token ratio was 1:93.88. There were 1,715 International Kindergarten Union words and 2,820 words with frequencies less than three that were removed. The remaining grade placed words totaled 4,510. Only the totals of running words and grade placed words could be compared to their 1926 counterparts and they were less than the 1926 totals.

Unique Grade Placed Words. The 1966 list contained 4,510 different grade placed words and the 1926 list contained 4,924. The two lists contained 6,465 different words when merged. There were 1,541 unique words from the 1966 list. They represented 34.17% of the 1966 list and 23.84% of the merged lists. The 1,955 unique words from the 1926 list were 39.70% of the 1926 list and 30.24% of the merged lists. The total number of unique words was 3,496, 54.08% of the merged lists. All of these percents were significant beyond the (.01) level.

Grade Level Shift of Common Words. There were 1,999 words that changed grade level of the 2,969 common words. These represented 67.33% of the common words. Six hundred four words, 20.34% of the common words, moved downward in grade level and 1,395 words, 46.99% of the common words, moved upward. All of these percents were significant. The difference between the two directional percents was 26.65% in favor of the upward movement of words. This difference was statistically significant.

Grade Placement Criterion. The 1926 minimum grade placement criterion was a frequency of three in the second grade and a frequency of two in all other grades. In 1966, one hundred teachers selected the frequency of three as the minimum grade placement criterion.

Student Performance. The size of the sample was around 25% less than the 1926 sample throughout the grades, except in the second grade where the reduction was 77%. The running word reduction percents were greater than the sample size reduction percents in all grades. The average numbers of words written by students were less than the 1926 averages in each grade. Statistical measures seemed to indicate that the reduction of sample size could not account for the reductions of average words per student.

Conclusions

The following conclusions have been drawn from the data of this study. The 1926 Free-Association List possesses a low degree of representativeness of 1966 students' vocabulary, in terms of list content. The high percent of words found only in 1926 and only in 1966 direct toward this conclusion.

The 1926 Free-Association List possesses a low degree of representativeness of 1966 students' vocabulary, in terms of achievement, or, grade placement. The high percent of common words that changed grade level directs toward this conclusion.

The 1926 Free-Association List possesses a low degree of representativeness of 1966 students' vocabulary, in terms of size of vocabulary. The lower averages of words per student found in the 1966 study direct toward this conclusion.

More students knew the same word in 1966 than in 1926. The 49% reduction of sample size, the higher Criterion Frequency, the 8.4% reduction of grade placed words of the 1966 study and the three times greater type-token ratio of grade placed words from the 1926 study direct towards this conclusion.

The 1966 sample students' vocabulary achievement was later than that of the 1926 sample students' achievement. The high percent of words that moved upward in grade level and the statistically significant difference between the directional percents in favor of the upward movement direct toward this conclusion.

The final conclusion is a summation and is directed by the previous conclusions and their evidence. The 1926 Free-Association List is no longer representative of current students' vocabularies in terms of list content, grade-level assignment, and student performance. This conclusion may be generalized to other vocabulary research of the same time to the degree that their results are similar to the 1926 study and it may be generalized to other student populations to the degree that they are similar to the 1966 sample population.

Implications for the Educator

The implications for the educator that were specifically the concern of this study were those regarding vocabulary lists. Most of the vocabulary studies that have had large influence upon instruction were conducted in the same period of time as was the Buckingham-Dolch Free-Association Word Study. The question occurs, how valid are those lists for representing student achievement and how appropriate are they for determining instructional programs? The safest assumption may be that the greatest percent

of these lists' content is not representative or appropriate, to the degree that the lists are similar to the 1926 Free-Association Study's results. Furthermore, all their descendant lists, research, and materials are proportionally in question. The educator should rely less on the data of those studies and more upon his own resources if similarities among the lists are revealed. He might do well to replicate the studies within his own school community, until more extensive research is available.

The results of this study that probably have greater impact upon the educator are those that indicated the 1966 students knew fewer words than the students of 1926. The definition of "know" and the students' behaviors for this study are crucial to this discussion, for within them is an unknown quantity: to what degree did each element of "know" influence a student's response? The student may have possessed several meanings of a word, been able to recognize it in print, but not have had sufficient confidence in spelling to list the word. Or, he may have been able to spell the word correctly, but not have had adequate meanings or sufficient associations to recall the word. The 1966 students may actually have known more words by one of the elements of "know," but by the total definition of "know," used in this study, it must be said they knew less. This differentiation of the elements of "know" will reoccur in further discussion.

The first question to be considered in this discussion is: what might be the reasons for the reduction of student performances? A detailed review of some of the methodology literature of the 1920's and 1930's contrasted with current writings might reveal or suggest answers. Marion Fitzgerald, for example, wrote in 1929, that there should be talks by the teacher about expressive words and readings of selections by masters of expression. She recommended that too much time was being spent in interpretation, more should be given to memorizing passages. She recommended further that (1) there be frequent recitations of

memorized passages, (2) students memorize at least twenty proverbs, (3) spelling lessons and lists be centered around a topic, (4) short quotations be presented with the spelling words, and (5) composition assignments be preceded by vocabulary lessons.¹

Alma Groskopf recommended in 1927, that (1) there be specific vocabulary lesson periods, (2) several sentences be presented for each word, (3) special lessons be held on expressions of words, and (4) emphasis be on literary vocabularies.²

These suggestions encompass all elements of this study's definition of "know" and most of them seem to contrast with current practice. It should be kept in mind, however, that the reduction of performances may be related to just one of the contrasting practices and through only one of the elements of "know."

What is a more obvious and may be a greater influence upon student performances is the development and increased usage of vocabulary control. This influence may be from the spelling or reading programs, or both.

The second question is: are greater student performances desirable and necessary? We may be in a more communicative society than existed in 1926, but we might actually be saying more, more frequently, with fewer words. Today's student vocabularies, therefore, may be smaller in size but more functional in terms of topical and regional utility. The fact that more students wrote the same words may indicate this.

¹Marion Fitzgerald, "Vocabulary Building in Grammar Grades," Normal Instructor and Primary Plans, 38:55-56, May, 1929, p. 55.

²Alma Groskopf, "Vocabulary Building in the Fifth Grade," Normal Instructor and Primary Plans, 36:34, 90-91, September, 1927, pp. 34, 90.

Appendix A

Classroom Utilization of the Free-Association List

The classroom teacher should keep in mind three assumptions when applying the list to instruction. First, the basic assumption of vocabulary research stated by Dolch "...children use all the words they know and use them in proportion to their familiarity with them."¹ Second, the list represents the average achievement of the majority of the students at the end of the school year. Third, the students, generally, know these words sufficiently to recall them and spell them correctly. All these mean the list represents a portion of vocabulary achievement for the majority of the students in terms of the specific behaviors required by the study.

The list appears to be best suited as a supplementary list to spelling and reading vocabulary programs already established, and to be considered a basic core list of typical vocabulary achievement of the area. Students' vocabulary development should not be limited to this list.

The list presented in the following pages is of those words obtained in 1966. The merged lists of 1926 and 1966 words will appear in a later publication to be distributed by another agency.

¹Edward W. Dolch, Methods in Reading, (Chicago: The Garrard Press, 1955), p. 241.

WEEKLY
WEN
WHALE
WHIP
WIFE
WIG
WIGGLE
WINK
WINNER
WISE
WOMEN
WONDERFUL
WORKBOOK
X-RAY
YELL
ZEBRA
ZERO
ZIP

GRADE 3

ABLE
ACE
ACTION
ADULT
AGENT
AIM
AIRPORT
ALARM
AMPHIBIAN
ANAGRAM
ANTELOPE
ANTENNA
ANYHOW
ANYTIME
APPOINT
ARK
ARKARK
ASH
ASIDE
ATMOSPHERE
ATOM
AUTHOR
AWAKE
AXLE
BACKWARD
BAIL
BAIT
BALD
BALLEET
BARD
BARNYARD
BASKETBALL
BASS
BAST
BATTLE
BEAM
BEARD
BEAST
BEAUTY
BECAUSE
BEUTIME
BEDD
BETTER
BEGIN
BELLY
BELL
BIRTH
BLADE
BLAME
BLAST
BLIND
BLUEGREEN
BLUR
BOAST
BOG
BOIL
BLIND
BLIND
BOULET
BORROW
BOUNCE
BOUT
BOW-WOW
BOXCAR
BRACE
BRAID
BRAN
BRASS
BREEZE
BRIDLE
BROAD
BUCKLE
BUILD
BUN
BUNDLE
BUNK
CACTUS
CAFF
CAFETERIA
CAM
CAMERA
CAMPER

CANAL
CANNOT
CANYON
CANYON
CAPITOL
CARAVAN
CARNIVAL
CARTON
CARTOON
CASH
CATALOG
CATFISH
CATTLE
CEMETERY
CEREAL
CHALKBOARD
CHARGE
CHAT
CHATTER
CHEAT
CHEEK
CHEMISTRY
CHILL
CHIME
CHIMPANZEE
CHOCK
CHOICE
CIGAR
CITIZENSHIP
CLASSROOM
CLICK
CLIFF
CLOUDY
COACH
COB
COCK
COD
COIN
COLLECT
COLLECTION
COLUMN
COMBAT
COMET
COMMON
COMMON
COMMUNICATE
COMMUNICATION
COMMUNITY
COMPOUND
CONCENTRATE
CONDENSATION
CONSERVATION
CONTINENT
COON
COPE
COPPER
CORRECT
COUNTY
COURT
COURTESY
COWGIRL
CRAFT
CRAMP
CRANE
CRATE
CRATER
CRIBBIT
CRISP
CREPT
CRIB
CRICKET
CRIME
CROP
CRUFL
CRUNCH
CRUSADE
CRUSH
CRYSTAL
CUD
CURE
CURSIVE
CYCLE
DAB
DAILY
DAIRY
DAME
DAMP
DARE
DASH
DAUGHTER
DEAL
DEAN
DENY
DESSERT
DEVIL
DIAL
DICE
DICTIONARY
DIFFERENCE
DIKE
DILL
DINE
DINNER
DINOSAUR
DIRECTION

DISCONTENT
DISCOVER
DISK
DISLIKE
DISTANCE
DIVIDE
DIVISION
DODGE
DOE
DOGHOUSE
DOOM
DOPE
DOUBT
DRAGSTER
DRAPE
DROVE
DRUNK
DUE
DUMMY
DUNK
DURING
DUSK
DUSTER
DUSTY
DUTY
EARN
EDITION
EEL
EIGHTH
ELBOW
ELECTRIC
ELM
EMERALD
ENCYCLOPEDIA
ENTER
EQUAL
EQUIPMENT
ERA
EVE
EVENT
EVERGREEN
EVERYTIME
EWE
EXCELLENT
EXPEDITION
EYEBROW
EYELASH
FACIAL
FACTORY
FAD
FAIN
FALCON
FAMOUS
FARE
FASTER
FATE
FAVORITE
FAWN
FEAST
FEE
FENDER
FIB
FINCH
FINDER
FITNESS
FLAIR
FLAVOR
FLAX
FLAY
FLEA
FLEE
FLESH
FLINT
FLOCK
FLODD
FLOWN
FLUE
FLUFF
FLUNK
FLUTE
FOAM
FOE
FOIL
FOLDF
FOLK
FOND
FOREVER
FORTY-FIVE
FORTY-ONE
FORWARD
FOUL
FRACTURE
FRECKLE
FREEDOM
FRIGHTEN
FRIGID
FURRY
FUSE
FUTURE
GAUGE
GAG
GAIN
GALL
GALLERY
GALLON

GANDER
GARDNER
GEAR
EM
GENERAL
GENTLE
GEOGRAPHY
GIN
GIVEN
GLIDE
GLOB
GLOZY
GLW
GOLDFISH
GOOBY
GOOBYE
GRAD
GRADER
GRANDSON
GRANDSTAND
GRANT
GREASE
GREY
GRIND
GRIP
GROOM
GUARD
GUINEAPIG
GUITAR
GUT
HABIT
HACK
HAG
HAI-RAND
HAMSTER
HANDSOME
HANGER
HARDBALL
HARP
HAWK
HEADBAND
HEAL
HEAP
HFLD
HELICOPTER
HELPLESS
HERD
HID
HINT
HIRE
HISTORY
HOCKEY
HOLLOW
HOMEROCK
HONK
HONOR
HOOT
HOKKOR
HCTDOG
HOUND
HOUSEKEEPER
HOWL
HUMAN
HUNTER
HUSBAND
ILLUSTRATE
IMPOSSIBLE
IMPROPER
INDOORS
INN
INTFGPITY
JACK
JERK
JOG
KANGAROO
KEEN
KICKBALL
KILLER
KINGDOM
KNEEL
KNOWLEDGE
KNOW
LAB
LABEL
LABORATORY
LAIR
LATCH
LAVA
LEAST
LEMONADE
LIAR
LIBERTY
LIBRARIAN
LICE
LIME
LIMIT
LIVEN
LINER
LINK
LISTENER
LIVER
LIZARD
LOBSTER
LOCAL
LOIN

LOLLIPOP
LONE
LONESOME
LOOP
LOOT
LOP
LOPE
LUG
LUNCHBOX
LUNCHPAIL
LUNG
MAM
MARINE
MARKER
MASS
MAW
MAYOR
MEAL
MEANT
MEDIUM
MEMORIAL
MERE
MESSENGER
MESSY
METROPOLITAN
MILLION
MINK
MINT
MIST
MISTRESS
MITE
MIXTURE
MOAN
MOAT
MOBILE
MOCK
MODEL
MODERN
MONITOR
MOOD
MORN
MOTEL
MOTTO
MOWER
MUFF
MULTIPLICATION
MULTIPLIER
MULTIPLY
MURAL
MUSCLE
NAPE
NASTY
NATION
NATIONAL
NECKLACE
NICK
NITROGEN
NOD
NOPE
NOPE
NOTEBOOK
NOUN
NUMERAL
NUM
NUTTY
OCEANOGRAPHY
ODD
ODOR
OFFICER
OLIVE
ONTO
OPPOSITE
ORAL
ORGAN
OUTDOOR
OUTER
OUTFIELD
OW
PACE
PAID
PALACE
PANTHER
PAPPY
PARTICULAR
PASSWORD
PEACE
PEAL
PEARL
PEEK
PENMANSHIP
PEP
PERFECT
PICKER
PIKE
PILDT
PINECONE
PITCH
PIZZA
PLATO
PLANET
PLAT
PLAYER
PLEASANT
PLOP
PLUCK

PLUS
POLITE
POLKADOT
POODLE
POOH
PORCUPINE
PORK
PORT
POSE
POSSIBLE
POSTER
PRACTICE
PRAIRIE
PRANCE
PREACHER
PREFIX
PRINCE
PRINCESS
PRODUCT
PROGRAM
PRONOUN
PROFFREAD
PROTECT
PRUNE
PULP
PUPIL
PUPPET
PURE
PURR
QUART
QUICKLY
QUIZ
QUOTIENT
RADAR
RAGE
RAID
RAISE
RAMP
RANGER
RASH
RECOMMEND
RECORDPLAYER
REEL
RELAY
REPEAT
REPTILE
REWARD
RHYTHM
RIDDEN
RIDER
RIDGE
RIFLE
RIG
RIM
RINK
RISE
RISK
RIGAM
ROR
ROBER
ROBE
ROBOT
ROUGH
ROUTE
ROWBOAT
RUIN
RUNNER
URAL
RUT
RYE
SADDLE
SAFETY
SALAMANDER
SALMON
SAMPLE
SANK
SANDUST
SAWMILL
SCALE
SCAR
SCIENTIST
SCISSOR
SCORE
SCREW
SEASHELL
SEEP
SEPARATE
SERVICE
SEX
SHARPEN
SHARPENER
SHAVE
SHAWL
SHIELD
SHIN
SHUSTRING
SHOVE
SI
SILENT
SIMPLE
SINGER
SINGLE
SIS
SITE
SKILL
SKIPPER

SKULL
SLACKS
SLAM
SLAP
SLAT
SLATE
SLAY
SLEET
SLIGHT
SLIM
SLUG
SLUP
SLOPE
SLOPPY
SLUG
SLURP
SMACK
SMASH
SMUG
SNEAK
SNOOP
SOAK
SOB
SOCIAL
SOFTBALL
SOLE
SOLD
SCHEM
SONNY
SOOT
SOP
SORT
SOWER
SPACESHIP
SPEAKER
SPEAR
SPECIAL
SPECK
SPEECH
SPELLER
SPOKE
SPOOL
SPRAY
SPRINKLER
SPRUNG
STACK
STADIUM
STAG
STAIN
STALK
STALLION
STAPLE
STARE
STEEP
STEM
STINK
STOOP
STRAP
STRAY
STREAK
STROKE
STUNT
SUBJECT
SUBMARINE
SUBTRACT
SUCK
SUE
SUNFLOWER
SUNK
SUNLIGHT
SUNSET
SUP
SUPPLY
SURF
SHALLOW
SWAM
SWAN
SWIFT
SWISH
SYLLABLE
TART
TASK
TAT
TAUGHT
TAX
TEASE
TEASPOON
TEF
TEFN
TELEGRAM
TELEVISION
TERMITE
TEST
THERMOMETER
THIRSTY
THIRTY-EIGHT
THIRTY-FIVE
THIRTY-FOUR
THIRTY-NINE
THIRTY-ONE
THIRTY-SEVEN
THIRTY-SIX
THIRTY-THREE
THIRTY-TWO
THROAT

THUNDER
TILE
TIMBER
TINE
TINSEL
TOMBOY
TONE
TOUGH
TOUR
TRAILER
TRANSPORTATION
TRASH
TROOP
TROT
TRUMPET
TRUST
TRUTH
TUBE
TUCK
TWENTY-NINE
TWIG
TWINKLE
TWIST
TYPE
TYPEWRITER
UNDERSTAND
UNIFORM
UNIVERSE
UNIVERSITY
VANILLA
VAT
VEH
VICE-PRESIDENT
VIEW
VISUAL
VITAMIN
VOCABULARY
VOLCANO
WAIL
WALLET
WANDER
WARD
WART
WASP
WATERFALL
WEAK
WEASEL
WEB
WED
WEED
WEEP
WEIGHT
WHACK
WHATEVER
WHISPER
WICK
WIDOW
WILDCAT
WILDLIFE
WILT
WINE
WORKSHEET
WORKSHOP
WORN
WORTHY
WORTH
WOUND
WRINKLE
WRIST
YEA
ZINC

GRADE 4

ABBREVIATION
ACCIDENT
ACRE
ACTIVITY
ACTOR
AD
ADJEND
ADJECTIVE
ADVERB
AGATE
AGRICULTURE
AIRCRAFT
AIRFORCE
ALBUM
ALE
ALPHABETIZE
ALRIGHT
ALTITUDE
ALUMINUM
ANCHOR
ANGLE
ANKLE
ANNUAL
ANTHROPOLOGY
ANTLER
ANTONYM
ANVIL
ANYPLACE
ANYWHERE

AQUA
AQUARIUM
AREA
ARTIST
ASS
ASSIGNMENT
ASTEROID
ASTRONAUT
ATTACK
ATTEND
AUTOGRAPH
AWARD
AXE
BABOON
BACKSTOP
BACKYARD
BADLY
BALE
BALLOT
BANDAGE
BANDAGE
BANJU
BANNER
BARGE
BARLEY
BASH
BATH
BATTERY
BATTLESHIP
BAZOOKA
BEDROCK
BEHAVE
BELLOW
BILLION
BIN
BINO
BING
BIOLOGY
BLACKTOP
BLASTINGCAP
BLASTOFF
BLAZE
BLEACH
BLEED
BLISTER
BLONDE
BLOODY
BLOWER
BLUEBERRY
BLUFF
BOAR
BOLE
BOOMER
BONY
BOOKCASE
BOOKWORM
BOOMERANG
BOON
BOON
BOONZE
BOXER
BOYSCOUT
BRA
BRA
BRAZILY
BREATH
BREATHE
BRUI
BROTHERHOOD
BULLETIN
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SHALC
SHAMPPOO
SHARPNER
SHELTER
SHERRY
SHIRE
SHIVER
SHORTSTOP
SHREW
SHRINK
SIFT
SILENCE
SILICON
SILD
SIMMER
SIRE
SKYSCRAPER
SLAB
SLAIN
SLEW
SLING
SLINK
SLOTH
SLUM
SMOTHER
SNATCH
SNIPER
SNORKEL
SNOUT
SNAR
SOCIETY
SOOT
SOGGY
SOLARSYSTEM
SOMEWAY
SURREW
SOURCE
SOUTHERN
SPAN
SPAR
SPARKLE
SPECIMEN
SPELOMETER
SPHERE

SPIRIT
SPLENDOR
SPORE
SPOUT
SPUD
SPUR
SQUID
STAB
STAGECOACH
STANDARD
STATIONARY
STATIONFRY
STENCIL
STEREO
STIGMA
STILE
STOMP
STOREHOUSE
STORMY
STOW
STRANGLE
STRATUS
STRETCH
STRIFE
STROLL
STROLLER
STRUT
STUB
STUBBORN
STY
STYLE
SUBSTANCE
SUGAR-CANE
SUGGEST
SUICIDE
SUITCASE
SULFUR
SULK
SULPHUR
SUNDOWN
SUPERINTENDENT
SUPERIOR
SURGERY
SWAMP
SWAT
SWAY
SWEATSHIRT
SWINE
SWIRL
TACKLE
TANGERINE
TANGLE
TAPERECORDER
TAP
TECHNIQUE
TEENAGE
TEESHIRT
TELETYPE
TEMPLE
TENDON
TENSE
TERM
TERRIFIC
TEXTBOOK
THANKFUL
THEMSELVES
THEORY
THINNER
THREAT
THRUSH
THUD
TILDE
TOENAIL
TOIL
TOPIC
TUPPER
TOUCH
TORNAOO
TOTEM
TOTEMPLE
TRAIT
TRANSPORT
TREMBLE
TRENCH
TRENDS
TRICKLE
TRIGGER
TROPHY
TROPIC
TROPISM
TRUSTWORTHY
TUBA
TUGBOAT
TUNA
TUSK
TUTOR
TWEET
TWISTER
UMPIRE
UNDERSTOOD
UNDO
UNEVEN
UNEXPECTED
UNICORN
UNION
UNKNOWN

UNLOCK
UNSANITARY
UPPER
URANIUM
USEFUL
USELESS
VALE
VALIABLE
VANISH
VANITY
VARY
VEGETATION
VEIL
VERSE
VERTICAL
VESSEL
VINYL
VISION
VOCAL
VULTURE
WADDLE
WAFFLE
WALLPAPER
WALRUS
WASHCLOTH
WASTEPAPEK
WATERCOLOR
WATT
WEALTH
WEARY
WEIRD
WEPT
WEY
WHISKY
WHIT
WHITTLE
WIDOW
WILDERNESS
WITHER
WIKSHIP
WREATH
WRESTLE
YANK
YARDSTICK
YAWN
YEAST
YELP
YOKE
YOLK
YOURSELVES
YOYO

**GRADE
6**

AARDVARK
ABNORMAL
ABRUPT
ACCEPT
ACCOMPANY
ACCOMPLISH
ACCOUNT
ACCURATE
ACTIVE
ADOLESCENT
ADVANCE
ADVANTAGE
ADVERTISE
ADVICE
ADVISE
AFFAIR
AFT
AGONY
AHL
AILESON
AIRFOIL
ALERT
ALGEBRA
ALLOWANCE
ALLUY
ALLURE
ALLY
ALMANAC
ALOFT
ALP
ALTER
ALUMNI
AMAZE
AMBULANCE
AMEN
AMMUNITION
AMP
AMPLE
AMUSE
AMUSEMENT
ANCESTOR
ANGELIC
ANGLEFISH
ANGLER
ANIMATE
ANTIQUIC
ANTIQUF
APHID
APPARATUS
APPARENT

ARID
ARISE
ARRIVE
ASBESTOS
ASPIRIN
ASSOCIATE
ASSOCIATION
ASTER
ASTRONOMER
ATHLETE
ATHLETIC
ATTACH
ATTAIN
ATTITUDE
APPARENTLY
APPEAL
APPEARANCE
APPENDIX
APPETITE
APPLAUSE
APPOINT
APPOINTMENT
APPRENTICE
APPROVE
APPROXIMATE
APT
ARC
ARCHEOLOGY
ARCHERY
ARCTIC
ATTORNEY
ATTRACT
ATTRACTIVE
AUBURN
AUDIO
AURICLE
AUTOMAP
AVIATION
AVOCADO
AWAKE
AWE
AZALEA
BABE
BALK
BALLAD
BALLROOM
BALSA
BANQUET
BARB
BARBELL
BARGAIN
BARTONE
BARREN
BARON
BARRACK
BARREN
BASEMAN
BASON
BEACON
BEAGLE
BEAKER
BEACH
BEY
BIOLIOGRAPHY
BICEP
BICUSPID
BARRIETE
BIKINI
BILE
BISON
BLACKCAP
BLAND
BLEACHER
BLEAK
BLISS
BLIZZARD
BLUR
BLUSH
BOARDER
BONANZA
BONEY
BONFIRE
BOOST
BORAX
BOTANY
BOULDER
BOULEVARD
BOUNDARY
BOUNTY
BOURBON
BOWTIE
BRACKET
BREAKER
BRED
BREAD
BREW
BRIEFCASE
BRILLIANT
BRINK
BRITTLE
BRONCO
BRONZE
BROOD
BUCCANEER
BUCKER
BUOGE

BULGE
BURDEN
BURGLAR
BURN
CALCIUM
CALIBER
CALLER
CAMPAIGN
CAMSHAFT
CANCEL
CANNIBAL
CANOPY
CAPER
CAPTIVE
CARBONDIOXIDE
CARIBOU
CARICATURE
CARRIER
CARTRIDGE
CATALOGUE
CATHOLIC
CAVERN
CAVITY
CEAR
CEASE
CENTRIFUGAL
CHANT
CHAPTER
CHARGER
CHARIOT
CHECKERBOARD
CHEETAH
CHEMIST
CHICLE
CHILI
CHIVE
CHROME
CHUCKLE
CHUG
CHUTE
CIRRUS
CITRUS
CIVILIZATION
CLASP
CLEANSER
CLEF
CLINK
CLUSTER
COCKPIT
COCKTAIL
COG
COLLAGF
COLLAPSE
COLLEGIATE
COMBINATION
COMBUSTION
COMEDIAN
COMEDY
COMFORT
COMICAL
COMMANDER
COMMENT
COMMERCIAL
COMMISSION
COMMITTEE
COMMUNISM
COMMUNIST
COMPARE
COMPARTMENT
COMPETITION
COMPLAIN
COMPLAINT
COMPROMISE
COMPOSITION
COMPUTER
CONCENTRIC
CONCEPT
CONDITION
CONFIDE
CONFIDENCE
CONFUSE
CONGRATULATION
CONGRUENT
CONJUNCTION
CONNECT
CONQUER
CONSCIENCE
CONSENT
CONSERVE
CONSIDER
CONSTRUCT
CONSTRUCTION
CONSULT
CONTAIN
CONTEST
CONTACT
CONTINENTAL
CONTRACTOR
CONTRAST
CONVERSE
CONVERT
CONVIC
CONVINCE
COOPER
COOPERATE
COPYRA
COPYRIGHT

CORNEA
CORPURAL
CORPORATION
CORPS
CORRESPONDENCE
CORRIDOR
COSMETIC
COUNSELOR
COURTEOUS
COURTSHIP
COWHIDE
COY
CRACKLE
CRAWFISH
CREATION
CREVICE
CRINKLE
CRIPPLE
CRUISER
CRUSADER
CRUTCH
CUBIC
CUDDLE
CUE
CUMULUS
CUNNING
CUR
CURIOUS
CUSHION
CUSTOMER
DAGGER
DECAY
DECEASE
DECENT
DECISION
DECLARATION
DECLARATIVE
DECREASE
DEMOCRACY
DEMOCRATIC
DEMOLISH
DEPART
DEPENDABLE
DEPRESS
DEPUTY
DESCENT
DESCRIPTION
DESPISE
DETECTIVE
DETENTION
DEVELOP
DEVELOPMENT
DEVICE
DICTATE
DICTATOR
DIGESTIVE
DIGIT
DIMENSION
DIMPLE
DINGY
DISAGREE
DISAPPOINT
DISCOUNT
DISCUSSION
DISECT
DISGUST
DISMOUNT
DIVIDER
DIVORCE
DOCUMENT
DOMAIN
DOMESTIC
DORMITORY
DRAGSTRIP
DRAINBOARD
DRAMATIC
DRAWN
DREAD
DREARY
DREGGE
DROOL
DROUGHT
DRUCKLING
DUGOUT
DUMBBELL
DYNAMIC
EASILY
EBB
ECLIPSE
ECONOMIC
ECONOMY
ECSTASY
EDIBLE
EDUCATE
EFFECT
EJECT
ELASTIC
ELFGANT
ELEVATION
ELIMINATE
ELLIPTICAL
EMBLEM
ENFORCEMENT
ENGAGEMENT
ENJOYMENT
ENROLLMENT
ENTERTAIN
ENTERTAINMENT

ENTIRE
ENTRY
EPIDEMIC
EQUATOR
EQUILATERAL
EROSION
ERR
ERROR
ERUPT
ESOPHAGUS
ESTABLISH
ESTABLISHMENT
ETERNAL
EVAPORATION
EVIDENCE
EXACTLY
EXAGGERATE
EXAM
EXCLAMATORY
EXIST
EXOSPHERE
EXPAND
EXPENSIVE
EXPERIENCE
EXPLORATION
EXPONENT
EXTRAORDINARY
EXTREME
FABRIC
FAILURE
FALLOW
FAMISH
FARAWAY
FEDERAL
FELINE
FERTILE
FESTIVAL
FETLOCK
FIBERGLASS
FILLER
FINANCE
FIORD
FIREHOUSE
FIREWORKS
FISSION
FIXTURE
FLASK
FLED
FLINCH
FLOG
FLOREST
FLUSTER
FULLY
FORECAST
FORMAL
FORMULA
FORTUNATE
FORTY-SIX
FOSTER
FOUNDER
FRACTURE
FRANTIC
FRENCHFRY
FRET
FRILL
FRONTROOM
FRYER
FUGITIVE
FUME
FUNCTION
FUNGUS
FUNNEL
FURIOUS
FURTHER
FURY
FUSELAGE
GALLANT
GAMB
GARDENER
GARDENIA
GALIC
GALLET
GELLING
GENERATION
GENT
GEOGRAPHIC
GEOMETRIC
GERM
GHOSTLY
GIGANTIC
GIRTH
GIZZARD
GLANCE
GLAZE
GLFW
GLOSS
GNU
GOCART
GOLFFINCH
GORE
GOSSIP
GRADUATE
GRADUATION
GRAFT
GRANDMOM
GRANGE
GRASP
GRASSLAND
GRID

GRIEF
GRIME
GROUCH
GROUNDHOG
GROUSE
GROUT
GRUMPY
GUEST
GUILTY
GUNPOWDER
GUST
HACKAMORE
HALF-DOLLAR
HALIBUT
HALLWAY
HAPPILY
HARDWOOD
HARVEST
HATEFUL
HAVEN
HAYLOFT
HEADBOARD
HEADLINE
HEALTHFUL
HEARSE
HEATHER
HEDGE
HEED
HELPER
HERDINE
HEXAGON
HIGHJUMP
HILARIOUS
HISTORIC
HISTORICAL
HOAR
HOCK
HOD
HOLLER
HOMESICK
HOMESTEAD
HONEST
HONEYCOMB
HONEYMOON
HOPEFUL
HOPSCOTCH
HOUSEHOLD
HOVER
HUBCAP
HULA
HUMID
HUMIDITY
HUMOR
HUMOROUS
HUMUS
HUNCH
HURDLE
HURRAY
HUSKY
HUTCH
HYGIENE
HYPHEN
IDOL
IGNITION
IGNORANT
ILLUSTRATION
IMAGE
IMMEDIATELY
IMMENSE
IMPERATIVE
IMPLY
IMPROVEMENT
INCOMPLETE
INDIGESTION
INDIRECT
INDIVIDUAL
INDIVISIBLE
INFECTION
INFLUENCE
INJECTION
INLET
INQUIRE
INSPECT
INSPIRE
INSTRUCTOR
INSULATION
INSULT
INTEGRAL
INTELLECTUAL
INTELLIGENCE
INTERIOR
INTERJECTION
INTERMEDIATE
INTERNET
INTERNAL
INTRODUCE
INTRODUCTION
INVENTOR
INVERT
INVESTMENT
INVISIBLE
INWARD
IONOSPHERE
JAB
JADE
JAGGED
JAVELIN
JFALOUS
JFLL

JIGSAW
JUDGEMENT
JUGGLER
JUVENILE
KARATE
KETCH
KIDNAP
KILOMETER
KNAT
KNAVE
KNEAD
KNEESOCK
LADLE
LAGOON
LANDSCAPE
LAUNCHER
LAYER
LEA
LECTURE
LEOTARD
LIGAMENT
LIGHTER
LIGHTSWITCH
LIKENESS
LIMBER
LIMOUSINE
LITER
LIVESTOCK
LOCOMOTIVE
LOLLYPOP
LOUSY
LOWLAND
LUMINOUS
LUNAR
LUNCHEON
LYNCH
LYNX
MACARONI
MADAME
MAGICIAN
MAHOGANY
MAINLY
MAJESTIC
MAJORITY
MALARIA
MALLARD
MAMMY
MANGANESE
MANGLE
MANGO
MANLY
MANOR
MARINER
MARLIN
MARVELOUS
MASON
MASSACRE
MAXIMUM
MECHANIC
MEDICAL
MEDULLA
MEMO
MENACE
MENTION
MERCHANT
MERIT
METEORITE
METRIC
MICA
MIGRATE
MIGRATION
MILITARY
MINGLE
MINIMUM
MINORITY
MISER
MISERABLE
MOCCASIN
MOISTURE
MOLLUSK
MOLTEN
MOMENT
MONARCH
MONASTERY
MONGREL
MONK
MONOPLANE
MONOPOLY
MONORAIL
MORON
MORTAR
MOSAIC
MOSQUE
MOSQUITO
MUCK
MUFFLER
MUSCULAR
MUSS
MUSTACH
MUTE
MUTTER
MUTUAL
MYSTERIOUS
NARCOTIC
NAVIGATE
NECESSARY

NECKLESS
NEEDY
NEGLECT
NETTLE
NICELY
NIGHTIME
NIL
NIPPY
NITRATE
NOBLE
NONSENSE
NOOSE
NORTHSOUTH
NOSECONE
NUCLEUS
NUDGE
NUMEROUS
OBEDIENT
OBSERVATORY
OBSERVE
OBSIDIAN
OCCUPY
OCTAGON
ODDBALL
OMELET
OPAL
OPTICAL
ORDINARY
ORGANIC
ORIGIN
ORLON
ORNAMENT
OUTBOARD
OUTFIELDER
OUTHOUSE
OVERCOAT
OXFORD
OXIDIZER
PADDOCK
PAGEANT
PAMPER
PANIC
PANTRY
PANTY
PAPERCLIP
PAPERCUTTER
PARAMECIUM
PARTIAL
PARTLY
PASTEL
PATE
PATIENCE
PATRIOTIC
PATTER
PATTY
PAWN
PAYMENT
PEACEFUL
PEDESTRIAN
PEDIGREE
PENALTY
PENPAL
PENTAGON
PEON
PEONY
PEPPERMINT
PER
PERCUSSION
PERIODIC
PERISH
PERMANENT
PERPENDICULAR
PERSONIFICATION
PETUNIA
PHILOSOPHY
PHOTOGRAPHY
PHYSIC
PHYSICS
PICCOLO
PILLAR
PIPER
PITY
PLAQUE
PLAYPEN
PLAYSHED
PLAZA
PLUMB
PLUME
PNEUMONIA
POISONOUS
POLEVAVLT
POLIO
POLITIC
POLLUTION
POLO
POLYGON
PORTABLE
PORTFOLIO
POSSUM
POUNCE
POVERTY
PRECIPITATION
PREDICT
PREFER
PREFORM
PREHISTORIC
PREPOSITION

PRESERVE
PRESSURE
PRICK
PRIEST
PRIME
PRINTER
PRISM
PRISONER
PROBE
PROMOTE
PROPELLANT
PROPELLOR
PROSPEROUS
PROTEIN
PROTOPLASM
PROTOZOA
PROWL
PUBLISHER
PULSE
PUNISH
PUSS
PUTTER
QUADRILATERAL
QUALITY
QUARRY
QUENCH
QUILL
QUIVER
RADIANT
RADIUS
RAIDER
RAILWAY
RAINCOAT
RAINFALL
RAMBLE
RAPIDLY
RASCAL
RATIO
RAVENOUS
REALIZE
RECALL
RECEIVER
RECENT
RECIPROCAL
RECITAL
RECITE
RECOVER
REGISTRATION
REHEARSAL
REIGN
RELATE
RELIABLE
RELIEVE
REMARKABLE
REMINDER
REMOTE
RENEW
REPLACE
REPLY
REPORT-CARD
REPORTER
REQUEST
RESERVE
RESET
RESERVOIR
RESIDENT
RESIGN
RESIST
REEK
REFER
REFILL
REFLECTION
RETINA
RETIRE
REVERENT
REVIVE
REVOLUTION
REVOLVE
REVOLVER
RHOMBUS
RIDICULOUS
RIPPLE
ROACH
ROCKER
ROE
ROMANTIC
ROOT-BEER
ROTATION
ROVE
RUMOR
RUNWAY
SACRED
SACRIFICE
SAGEBRUSH
SALARY
SALON
SALOON
SAPHIRE
SARCASTIC
SARDINE
SATISFACTORY
SAUSAGE
SAVER
SCHOONER
SCRIBE
SCUM

SCURRY
SEALION
SEAPLANE
SECTION
SECURITY
SELDOM
SELECT
SELECTION
SELLER
SENATOR
SENIOR
SERF
SERIAL
SERPENT
SERUM
SERVANT
SEVER
SEVERE
SHAG
SHAGGY
SHAM
SHANTY
SHIMMER
SHIPMENT
SHOD
SHOEBOX
SHOEHORN
SHOWDOWN
SHUCK
SIEVE
SIMILAR
SIMILE
SINCERE
SINGULAR
SINKER
SIREN
SKILLET
SKIM
SKYLINE
SLAUGHTER
SLEEK
SLEEPINGBAG
SLOOP
SLOUGH
SLUMP
SMELT
SMUDGE
SMUG
SNICKER
SODIUM
SOLUTION
SOMEPLACE
SOMETIMES
SOOTH
SOPRANO
SPACECRAFT
SPACEMAN
SPAGHETTI
SPARKPLUG
SPECTACULAR
SPED
SPINAL
SPITE
SPOOF
SPORTSMANSHIP
SPOUSE
SPRINT
SPRITE
SQUAD
SQUAT
SQUEAL
SQUEEK
SQUIRE
SQUIRM
STABILIZER
STAIRCASE
STAIRWAY
STANDBY
STARBOARD
STARK
STATEMENT
STEAD
STEAMER
STEAMSHIP
STICKER
STILT
STINGEY
STOPPER
STORAGE
STRATOSPHERE
STRICT
STRIDE
STRUCTURE
STRUGGLE
STUBBY
STUFFY
STUPENDOUS
STUPIDITY
SUBSTITUTE
SUBTRAHEND
SUCCESS
SUITE
SUMMARY
SUNBURN
SUNDIAL
SUPERLATIVE

SUPERSONIC
SUPPORT
SUPREME
SURFER
SURGEON
SURROUND
SURVEY
SWEAR
SWEEPSTAKE
SWIFT
SWIMMER
SWIPE
SWORN
SYMPHONY
SYNTHETIC
TACT
TAMP
TAPIOCA
TAVERN
TEDIOUS
TELLER
TEMPERA
TEMPERATE
TEND
TENNIS-SHOE
TENSION
TERMINAL
TERRACE
TERRAIN

TEXTILE
THATCH
THEMSELF
THRIFT
THRIRTEENTH
THOROUGH
THOU
THRIFTY
THROTTLE
THROUGHOUT
THRUST
THYME
TICKLE
TINCAN
TINKLE
TOMTOM
TONIC
TOPAZ
TORPEDO
TORTURE
TOUCHDOWN
TOURIST
TOURNAMENT
TRACT
TRAMPOLINE
TRANSFORMER
TRANSISTOR
TRANSIT
TRANSMISSION

TRANSMITTER
TRANSPARENT
TRAPEZE
TRAPPER
TREACHEROUS
TREAD
TREASON
TREASURER
TREASURY
TREATMENT
TREATY
TREK
TREMENDOUS
TRESPASS
TRIANGULAR
TRIBE
TRIBUTARY
TRICEP
TRIGONOMETRY
TRINKET
TRIO
TRIPLE
TRIPLET
TRIPOD
TRIUMPH
TROPICAL
TUBERCULOSIS
TUMBY

TUMOR
TUNDRA
TURBINE
TYPHOON
UNABLE
UNBREAKABLE
UNCLEAN
UNCOVER
UNDERGROUND
UNDERSHIRT
UNDERTAKER
UNDERWATER
UNEASY
UNFAIR
UNICYCLE
UNKIND
UNLOAD
UNLUCKY
UNSAFE
UNWORTHY
UPSET
UPSIDEDOWN
UPWARD
USUAL
UTILITY
VACANT
VALVE
VARIETY
VARIOUS

VAULT
VEHICLE
VELOCITY
VENTRICLE
VERTEBRA
VERTIGO
VET
VIBRATE
VICTORY
VILLAIN
VIRGINAL
VIRUS
VISE
VISITOR
VISUALIZE
VODKA
VOLLEYBALL
VOLUMN
WAGE
WATER
WAND
WAREHOUSE
WARMTH
WASHRAG
WATERDOG
WATERWAY
WEALTHY
WEAN
WEAPON

WEIGHTLESSNESS
WELD
WEREWOLF
WHEW
WHINE
WHISKER
WHIZ
WICKED
WIGWAM
WINDOWPANE
WINDPIPE
WINDSHIELD
WINDWARD
WISDOM
WITNESS
WOODLAND
WOODWIND
WOOF
WORTHY
WRING
WRISTWATCH
YACHT
YAWN
YEARLY
YEW
YIELD
YOUNGSTER
ZOMBI

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