

# Speech Recognition and Identification Materials, Disc 4.0

2006



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**Reissued, 2011 (Yellow Disc)**

## INTRODUCTION

This audio compact disc (Version 4.0) is a revision of the *Speech Recognition and Identification Materials, Disc 1.1* that was produced originally in 1989 (Version 1.0) with minor revisions in 1991 and 1998 (Versions 1.1 and 2.0) for use by VA audiologists who use the six Maryland CNC word lists in the assessment of the word-recognition performance of patients undergoing compensation and pension examinations. The remaining recognition/identification materials contained on the disc were selected based on (1) the results of a survey of the VA audiology clinics, and (2) the availability of the materials either through the public domain or through the generosity of the individuals responsible for the materials, including G. Donald Causey, Ph.D. (spondaic words, Maryland CNC lists, and Northwestern University Auditory Test No. 6) and Bob Brose (Technisonic Studios, Inc., St. Louis, Charles E. Harrison, producer of the CID W-22 lists and the Rush Hughes recordings of the PB-50 lists).

The majority of speech materials contained on Version 4.0 of the *Speech Recognition and Identification Materials* compact disc are identical to the speech materials contained on previous versions. Several tracks on previous versions are not included on Version 4.0, *viz.* spondaic words with a 2-s interstimulus interval; Lists 10 and 11 of the Rush Hughes recordings of the PB-50s; and the Synthetic Sentence Identification (SSI) materials in the contralateral competing message paradigm. The NU No. 6 in multitalker babble tracks have been replaced with the Words-in-Noise (WIN) Test (Tracks 25 through 32) and a 500-Hz masking-level difference (MLD) protocol has been added (Track 35).

This compact disc project was compiled in the Auditory Research Laboratory at the James H. Quillen VA Medical Center, Mountain Home, Tennessee. The Laboratory was developed through a series of Merit Reviews from the Medical Research Service and the Rehabilitation Research and Development Service, VA Headquarters. The project also was supported by the East Tennessee State University Foundation.

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## SPEECH MATERIALS

The text that follows describes briefly the materials that are contained on each track of the compact disc. A detailed script of each track and references are provided. Several characteristics of the recordings should be noted. With all of the 50 item word lists recorded on this compact disc, words 1-25 are recorded on one track and words 26-50 are recorded on the subsequent track.

*Track 1.* Both channels contain a 300-ms, 1000-Hz tone burst, followed sequentially by a 1-s silent interval and a 30-s, 1000-Hz calibration tone that reflects the peaks of the speech materials as monitored on a calibrated vu meter (Green, Williams, & Kryter, 1959; Lilly, 1967). The 300-ms tone burst can be used to check the ballistic characteristics of a VU meter. The needle on a calibrated VU meter will swing from -20 vu to 0 vu with minimal overshoot when a 300-ms tone burst is placed across the meter. It should be noted that many meters used on audiometers are not "true" VU meters and/or are not properly calibrated (ANSI, 1954). The 1000-Hz calibration tone may not reflect accurately the peaks of the speech materials on non-VU meters and on non-calibrated VU meters.

*Track 2.* The left (A) and right (B) channels contain two randomizations of the 36 CID W-1 spondaic words spoken by a female with 4-s inter-stimulus intervals. The left channel contains the spondaic words referenced to the 1000-Hz calibration tone, whereas the right channel contains the words referenced to equal intelligibility. Normative data for these materials are given in Cambron, Wilson, and Shanks (1991). Total time is 292 s.

*Tracks 3 and 4.* The left channel contains List 1 of the Maryland CNC materials recorded by a male (Causey, Hood, Hermanson, & Bowling, 1984), whereas the right channel contains a copy of the CID W-22 List 1A materials recorded by Technisonics Studios (Hirsh et al., 1952; Heckendorf, Wiley, & Wilson, 1997). Track 3 has words 1-25 and Track 4 has words 26-50. Both channels have 4.2-s inter-stimulus intervals; the total time/track is 107 s.

*Tracks 5 and 6.* The left channel has List 3 of the Maryland CNC words; the right channel has List 2A of the CID W-22 words. The ISI is 4.2 s with 107 s/track.

*Tracks 7 and 8.* The left channel has List 6 of the Maryland CNC words; the right channel has List 3A of the CID W-22 words. The ISI is 4.2 s with 108 s/track.

*Tracks 9 and 10.* The left channel has List 7 of the Maryland CNC words; the right channel has List 4A of the CID W-22 words. The ISI is 4.2 s with 108 s/track.

*Tracks 11 and 12.* The left channel has List 9 of the Maryland CNC words; the right channel has the Rush Hughes recording (Goetzinger, 1972; Heckendorf, et al., 1997) of List 8B of the Harvard PB-50 words (Egan, 1948). [For the Rush Hughes recordings, slight modifications (1 to 6 words/list) were made in the original PB-50 lists.] The ISI is 4.2 s with 108 s/track.

*Tracks 13 and 14.* The left channel has List 10 of the Maryland CNC words; the right channel has the Rush Hughes recording of List 9B of the PB-50 words. The ISI is 4.2 s with 108 s/track.

*Tracks 15 and 16.* The Picture Identification Task materials (List 1A, left channel and List 2A, right channel) are contained on these tracks (Wilson & Antablin, 1980; Wilson, & Antablin, 1982). The ISI is 6.0 s with 151 s/track.

*Tracks 17 and 18.* The left channel has List 1A of the Northwestern University Auditory Test No. 6 (NU No. 6) recorded by a female; the right channel has competing sentences [modified Bell Telephone Sentences (Fletcher & Steinberg, 1929)] recorded by a male. The original normative data for these materials in quiet, in broadband noise, and in the competing message (ipsilateral) are given in Wilson, Zizz, Shanks, and Causey (1990) with more recent data given

in Stoppenbach, Craig, Wiley, and Wilson (1999). The ISI is 4.6 s with 116 (Track 19) and 119 (Track 20) s/track.

*Tracks 19 and 20.* The left channel has List 2A of NU No. 6; the right channel has competing sentences. The ISI is 4.6 s with 116 s/track.

*Tracks 21 and 22.* The left channel has List 3A of NU No. 6; the right channel has competing sentences. The ISI is 4.6 s with 118 s/track.

*Tracks 23 and 24.* The left channel has List 4A of NU No. 6; the right channel has competing sentences. The ISI is 4.6 s with 118 s/track.

*Track 25.* Words-in-Noise (WIN) Test, List 1, Randomization 1. The WIN is on the left channel (1) and the words in quiet at a constant level are on the right channel (2) for use as a monitor channel. (Wilson, 2003; Wilson & Burks, 2005; Wilson & McArdle, 2007) (146 s/track).

*Track 26.* WIN, List 2, Randomization 1, 146 s/track.

*Track 27.* WIN, List 1, Randomization 2, 146 s/track.

*Track 28.* WIN, List 2, Randomization 2, 146 s/track.

*Track 29.* WIN, List 2, Randomization 3, 146 s/track.

*Track 30.* WIN, List 2, Randomization 3, 146 s/track.

*Track 31.* WIN, List 2, Randomization 4, 146 s/track.

*Track 32.* WIN, List 2, Randomization 4, 146 s/track.

*Tracks 33 and 34.* The Spanish Picture Identification materials recorded by a female speaker in a recognition paradigm [carrier phrase "diga usted" ("say")] are on these tracks (McCullough & Wilson, 1998). List 1 is on the left channel and List 2 is on the right channel. *Track 33* has words 1-25 and *Track 34* has words 36-50. The ISI is 4 s with 140 s/track.

*Track 35.* The 500-Hz masking-level difference (MLD) that consists of 33, 3000 ms noise bursts with 10 SoNo, 12 S $\pi$ No, and 11 no tone (catch trials). The bandpass noise (200 to 800 Hz) is arithmetically centered around 500 Hz and has 48 dB/octave skirts. Within each noise burst, 5, 250-ms tone bursts with 10-ms rise/fall times are flanked by 300-ms off times. The score sheet and MLD tabulation procedure are available on-line at the previously mentioned website.

## SCRIPT FOR EACH TRACK

### **TRACK 1 (33 s)**

Left Channel

Right Channel

1000-Hz Cal Tone

1000-Hz Cal Tone

*(300-ms tone burst<sup>1</sup>; 1-s interval; 30-s tone)*

<sup>1</sup>To check the time constant of the vu meter

**TRACK 2 (292 s)**

Left Channel  
(equal vu)

Right Channel  
(equal intelligibility)

- |               |                |
|---------------|----------------|
| 1. GREYHOUND  | 19. BASEBALL   |
| 2. SCHOOLBOY  | 20. STAIRWAY   |
| 3. INKWELL    | 21. COWBOY     |
| 4. WHITEWASH  | 22. ICEBERG    |
| 5. PANCAKE    | 23. NORTHWEST  |
| 6. MOUSETRAP  | 24. RAILROAD   |
| 7. EARDRUM    | 25. PLAYGROUND |
| 8. HEADLIGHT  | 26. AIRPLANE   |
| 9. BIRTHDAY   | 27. WOODWORK   |
| 10. DUCKPOND  | 28. OATMEAL    |
| 11. SIDEWALK  | 29. TOOTHBRUSH |
| 12. HOTDOG    | 30. FAREWELL   |
| 13. PADLOCK   | 31. GRANDSON   |
| 14. MUSHROOM  | 32. DRAWBRIDGE |
| 15. HARDWARE  | 33. DOORMAT    |
| 16. WORKSHOP  | 34. HOTHOUSE   |
| 17. HORSESHOE | 35. DAYBREAK   |
| 18. ARMCHAIR  | 36. SUNSET     |

**Track 2 (continued)**

Left Channel  
(equal vu)

Right Channel  
(equal intelligibility)

- |                |                |
|----------------|----------------|
| 37. PLAYGROUND | 55. TOOTHBRUSH |
| 38. GRANDSON   | 56. MUSHROOM   |
| 39. DAYBREAK   | 57. FAREWELL   |
| 40. DOORMAT    | 58. HORSESHOE  |
| 41. WOODWORK   | 59. PANCAKE    |
| 42. ARMCHAIR   | 60. INKWELL    |
| 43. STAIRWAY   | 61. MOUSETRAP  |
| 44. COWBOY     | 62. AIRPLANE   |
| 45. OATMEAL    | 63. SIDEWALK   |
| 46. RAILROAD   | 64. EARDRUM    |
| 47. BASEBALL   | 65. GREYHOUND  |
| 48. PADLOCK    | 66. BIRTHDAY   |
| 49. HARDWARE   | 67. HOTHOUSE   |
| 50. WHITEWASH  | 68. ICEBERG    |
| 51. HOTDOG     | 69. SCHOOLBOY  |
| 52. SUNSET     | 70. DUCKPOND   |
| 53. HEADLIGHT  | 71. WORKSHOP   |
| 54. DRAWBRIDGE | 72. NORTHWEST  |

**TRACK 5 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    CID W-22**

LIST 3

LIST 2A

- |           |          |
|-----------|----------|
| 1. JAIL   | 1. YORE  |
| 2. RAT    | 2. BIN   |
| 3. TOSS   | 3. WAY   |
| 4. SOON   | 4. CHEST |
| 5. FAITH  | 5. THEN  |
| 6. SUNG   | 6. EASE  |
| 7. KEG    | 7. SMART |
| 8. VOTE   | 8. GAVE  |
| 9. SIZE   | 9. PEW   |
| 10. NUMB  | 10. ICE  |
| 11. DAB   | 11. ODD  |
| 12. WHAT  | 12. KNEE |
| 13. ROOM  | 13. MOVE |
| 14. KID   | 14. NOW  |
| 15. DIKE  | 15. JAW  |
| 16. MATE  | 16. ONE  |
| 17. WELL  | 17. HIT  |
| 18. RIG   | 18. SEND |
| 19. FOUR  | 19. ELSE |
| 20. BUSH  | 20. TARE |
| 21. DIP   | 21. DOES |
| 22. GAP   | 22. TOO  |
| 23. PERCH | 23. CAP  |
| 24. SHEEP | 24. WITH |
| 25. HOUSE | 25. AIR  |

**TRACK 6 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    CID W-22**

LIST 3

LIST 2A

- |           |           |
|-----------|-----------|
| 26. FADE  | 26. AND   |
| 27. LAKE  | 27. YOUNG |
| 28. GULL  | 28. CARS  |
| 29. ROUGE | 29. TREE  |
| 30. BAR   | 30. DUMB  |
| 31. TONE  | 31. THAT  |
| 32. CHIN  | 32. DIE   |
| 33. PIECE | 33. SHOW  |
| 34. PURGE | 34. HURT  |
| 35. BELL  | 35. OWN   |
| 36. WORK  | 36. KEY   |
| 37. LIFE  | 37. OAK   |
| 38. POD   | 38. NEW   |
| 39. SHINE | 39. LIVE  |
| 40. TOLL  | 40. OFF   |
| 41. JOKE  | 41. ILL   |
| 42. HEAD  | 42. ROOMS |
| 43. WITH  | 43. HAM   |
| 44. KEEN  | 44. STAR  |
| 45. MORE  | 45. EAT   |
| 46. LEAVE | 46. THIN  |
| 47. HUT   | 47. FLAT  |
| 48. NOISE | 48. WELL  |
| 49. MAN   | 49. BY    |
| 50. YAM   | 50. AIL   |

**TRACK 7 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    CID W-22**

LIST 6

LIST 3A

- |           |            |
|-----------|------------|
| 1. WHIP   | 1. BILL    |
| 2. BUD    | 2. ADD     |
| 3. SHONE  | 3. WEST    |
| 4. RUG    | 4. CUTE    |
| 5. CHEESE | 5. START   |
| 6. CHAIN  | 6. EARS    |
| 7. LOOK   | 7. TAN     |
| 8. DULL   | 8. NEST    |
| 9. POPE   | 9. SAY     |
| 10. CALF  | 10. IS     |
| 11. FIRE  | 11. OUT    |
| 12. TURN  | 12. LIE    |
| 13. RAISE | 13. THREE  |
| 14. SOUR  | 14. OIL    |
| 15. BED   | 15. KING   |
| 16. LAWN  | 16. PIE    |
| 17. SIT   | 17. HE     |
| 18. TUBE  | 18. SMOOTH |
| 19. VEAL  | 19. FARM   |
| 20. GET   | 20. THIS   |
| 21. PACE  | 21. DONE   |
| 22. NIGHT | 22. USE    |
| 23. HISS  | 23. CAMP   |
| 24. SHOCK | 24. WOOL   |
| 25. WING  | 25. ARE    |

**TRACK 8 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    CID W-22**

LIST 6

LIST 3A

- |            |            |
|------------|------------|
| 26. DOOR   | 26. AIM    |
| 27. NIECE  | 27. WHEN   |
| 28. CAT    | 28. BOOK   |
| 29. MOVE   | 29. TIE    |
| 30. COOL   | 30. DO     |
| 31. WEB    | 31. HAND   |
| 32. KNOCK  | 32. END    |
| 33. JOT    | 33. SHOVE  |
| 34. CAGE   | 34. HAVE   |
| 35. MODE   | 35. OWES   |
| 36. SEARCH | 36. JAR    |
| 37. GONE   | 37. NO     |
| 38. RUSH   | 38. MAY    |
| 39. POLE   | 39. KNIT   |
| 40. DIG    | 40. ON     |
| 41. BAD    | 41. IF     |
| 42. LIVE   | 42. RAW    |
| 43. MAP    | 43. GLOVE  |
| 44. WIFE   | 44. TEN    |
| 45. FAN    | 45. DULL   |
| 46. BIRTH  | 46. THOUGH |
| 47. TEAM   | 47. CHAIR  |
| 48. HOWL   | 48. WE     |
| 49. HIKE   | 49. ATE    |
| 50. JAM    | 50. YEAR   |

**TRACK 9 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    CID W-22**

LIST 7

LIST 4A

- |           |           |
|-----------|-----------|
| 1. NOTE   | 1. ALL    |
| 2. DOOM   | 2. WOOD   |
| 3. COKE   | 3. AT     |
| 4. HOLE   | 4. WHERE  |
| 5. JOIN   | 5. CHIN   |
| 6. THIRD  | 6. THEY   |
| 7. MOUTH  | 7. DOLLS  |
| 8. SURE   | 8. SO     |
| 9. VAGUE  | 9. NUTS   |
| 10. BIG   | 10. OUGHT |
| 11. FAR   | 11. IN    |
| 12. GUN   | 12. NET   |
| 13. PEARL | 13. MY    |
| 14. LOOT  | 14. LEAVE |
| 15. SAVE  | 15. OF    |
| 16. SIDE  | 16. HANG  |
| 17. HEAT  | 17. SAVE  |
| 18. BUN   | 18. EAR   |
| 19. FISH  | 19. TEA   |
| 20. HAVE  | 20. COOK  |
| 21. MOLE  | 21. TIN   |
| 22. PINE  | 22. BREAD |
| 23. NAP   | 23. WHY   |
| 24. MINE  | 24. ARM   |
| 25. WAS   | 25. YET   |

**TRACK 10 (107 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    CID W-22**

LIST 7

LIST 4A

- |            |                 |
|------------|-----------------|
| 26. REACH  | 26. DARN (DAWN) |
| 27. FACE   | 27. ART         |
| 28. BET    | 28. WILL        |
| 29. CAUGHT | 29. DUST        |
| 30. LAUGH  | 30. TOY         |
| 31. SHALL  | 31. AID         |
| 32. GEESE  | 32. THAN        |
| 33. TAPE   | 33. EYES        |
| 34. SACK   | 34. SHOE        |
| 35. RIDGE  | 35. HIS         |
| 36. CHEEK  | 36. OUR         |
| 37. DUMB   | 37. MEN         |
| 38. TOP    | 38. NEAR        |
| 39. YOUNG  | 39. FEW         |
| 40. LED    | 40. JUMP        |
| 41. RIB    | 41. PALE        |
| 42. PASS   | 42. GO          |
| 43. WIT    | 43. STIFF       |
| 44. DID    | 44. CAN         |
| 45. CALL   | 45. THROUGH     |
| 46. NECK   | 46. CLOTHES     |
| 47. SUCH   | 47. WHO         |
| 48. LOSE   | 48. BEE         |
| 49. GEM    | 49. YES         |
| 50. TAR    | 50. AM          |



**TRACK 11 (107 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    RUSH HUGHES PB-50**

LIST 9

LIST 8B

- |           |           |
|-----------|-----------|
| 1. LACK   | 1. JELL   |
| 2. WATCH  | 2. ROLL   |
| 3. POWER  | 3. SHACK  |
| 4. MIRE   | 4. FREAK  |
| 5. NAIL   | 5. US     |
| 6. THINE  | 6. CALF   |
| 7. WORD   | 7. COD    |
| 8. TOOL   | 8. DAY    |
| 9. MOB    | 9. RHYME  |
| 10. HEN   | 10. KILL  |
| 11. GOT   | 11. FOOD  |
| 12. SANE  | 12. HUM   |
| 13. SHOUT | 13. FAD   |
| 14. PILL  | 14. LOOK  |
| 15. BOTH  | 15. BORED |
| 16. SHADE | 16. EACH  |
| 17. JAZZ  | 17. QUEEN |
| 18. LATHE | 18. LEFT  |
| 19. CATCH | 19. FRONT |
| 20. WHITE | 20. YEAST |
| 21. CHAIR | 21. BID   |
| 22. LOAF  | 22. SLIDE |
| 23. PUN   | 23. ROT   |
| 24. HAM   | 24. CRACK |
| 25. LIP   | 25. BIND  |

**TRACK 12 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    RUSH HUGHES PB-50**

LIST 9

LIST 8B

- |           |            |
|-----------|------------|
| 26. WRONG | 26. TILL   |
| 27. YES   | 27. CHEW   |
| 28. SIN   | 28. FORTH  |
| 29. CURVE | 29. LICK   |
| 30. HAZE  | 30. GUESS  |
| 31. GIRL  | 31. ROPE   |
| 32. TIME  | 32. CHANT  |
| 33. BOOK  | 33. CLOD   |
| 34. REAP  | 34. THIS   |
| 35. FUDGE | 35. EASE   |
| 36. VOICE | 36. ROD    |
| 37. RAG   | 37. THREAD |
| 38. MUD   | 38. NIGHT  |
| 39. BALL  | 39. DUMB   |
| 40. DECK  | 40. BOLT   |
| 41. CUT   | 41. REST   |
| 42. NEED  | 42. PINT   |
| 43. CHEER | 43. FROCK  |
| 44. SOAP  | 44. ASK    |
| 45. FEET  | 45. FLIP   |
| 46. TICK  | 46. WIG    |
| 47. ROOF  | 47. CATCH  |
| 48. DOG   | 48. SPICE  |
| 49. BEAT  | 49. HORSE  |
| 50. DISH  | 50. DEUCE  |

**TRACK 13 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    RUSH HUGHES PB-50**

LIST 10

LIST 9B

- |           |           |
|-----------|-----------|
| 1. SUB    | 1. CHESS  |
| 2. LOT    | 2. SMART  |
| 3. DIN    | 3. ROOT   |
| 4. DEATH  | 4. THANK  |
| 5. CHILL  | 5. ARCH   |
| 6. COIN   | 6. WEAK   |
| 7. CAUSE  | 7. THAN   |
| 8. BURN   | 8. WITH   |
| 9. LOOSE  | 9. LIT    |
| 10. PALM  | 10. GRACE |
| 11. JUDGE | 11. CROWD |
| 12. WASH  | 12. CHEST |
| 13. ROB   | 13. KEY   |
| 14. FINE  | 14. FUME  |
| 15. WHILE | 15. CLUB  |
| 16. CHAT  | 16. GIVE  |
| 17. BIT   | 17. PHONE |
| 18. NICK  | 18. BIT   |
| 19. NEAT  | 19. RUDE  |
| 20. HAIR  | 20. NERVE |
| 21. SAFE  | 21. FLAG  |
| 22. HIT   | 22. TOAD  |
| 23. JADE  | 23. ICE   |
| 24. HURT  | 24. WILD  |
| 25. PILE  | 25. BEEF  |

**TRACK 14 (108 S)**

LEFT CHANNEL    RIGHT CHANNEL

**MARYLAND CNC    RUSH HUGHES PB-50**

LIST 10

LIST 9B

- |            |            |
|------------|------------|
| 26. SHACK  | 26. TAX    |
| 27. CONE   | 27. CARVE  |
| 28. SELL   | 28. THRONE |
| 29. YOUR   | 29. NUTS   |
| 30. TERM   | 30. BIRTH  |
| 31. MOOD   | 31. NOOSE  |
| 32. DEEP   | 32. TEN    |
| 33. MEEK   | 33. TROOP  |
| 34. ROPE   | 34. SKILL  |
| 35. WITCH  | 35. ODD    |
| 36. RIDE   | 36. REED   |
| 37. BAKE   | 37. SPUD   |
| 38. GORE   | 38. WIPE   |
| 39. FOOL   | 39. DITCH  |
| 40. GUESS  | 40. GATE   |
| 41. MOUSE  | 41. MASS   |
| 42. LUNG   | 42. CLOWN  |
| 43. LOAD   | 43. FOE    |
| 44. PATH   | 44. ITCH   |
| 45. PEAK   | 45. SIP    |
| 46. RUN    | 46. HOOF   |
| 47. SAG    | 47. TUB    |
| 48. CAVE   | 48. FUSE   |
| 49. THATCH | 49. YEAR   |
| 50. TOWEL  | 50. BOOST  |

**TRACK 15 (151 S)**

LEFT CHANNEL    RIGHT CHANNEL

**PICTURE ID TASK    PICTURE ID TASK**

LIST 1A

LIST 2A

- |           |          |
|-----------|----------|
| 1. WING   | 1. GUN   |
| 2. YAM    | 2. DAM   |
| 3. PEARL  | 3. CHALK |
| 4. JUICE  | 4. CHIEF |
| 5. SHIP   | 5. LOAD  |
| 6. WAVE   | 6. JAIL  |
| 7. CHAIN  | 7. CATCH |
| 8. NOSE   | 8. PASS  |
| 9. GOOSE  | 9. DOOR  |
| 10. MATCH | 10. NAIL |
| 11. TIRE  | 11. WIG  |
| 12. LAKE  | 12. SAIL |
| 13. ROSE  | 13. SHOP |
| 14. SHAWL | 14. WET  |
| 15. SUB   | 15. LAMB |
| 16. PILL  | 16. JAR  |
| 17. SOCK  | 17. VINE |
| 18. CAGE  | 18. SICK |
| 19. DIVE  | 19. MAIL |
| 20. WHEAT | 20. BACK |
| 21. PAN   | 21. MAP  |
| 22. COAT  | 22. MAN  |
| 23. DIG   | 23. FEET |
| 24. FIRE  | 24. CAVE |
| 25. TOP   | 25. CUT  |

**TRACK 16 (151 S)**

LEFT CHANNEL    RIGHT CHANNEL

**PICTURE ID TASK    PICTURE ID TASK**

LIST 1A

LIST 2A

- |           |            |
|-----------|------------|
| 26. HEAD  | 26. TOOL   |
| 27. BED   | 27. PATH   |
| 28. SUN   | 28. SING   |
| 29. RUN   | 29. CHEESE |
| 30. NOOSE | 30. DICE   |
| 31. HUT   | 31. HILL   |
| 32. RUG   | 32. RAIN   |
| 33. CHAIR | 33. BUG    |
| 34. BATH  | 34. HOSE   |
| 35. TOWN  | 35. GOWN   |
| 36. KITE  | 36. NET    |
| 37. CASH  | 37. SHED   |
| 38. BOAT  | 38. ROBE   |
| 39. LAUGH | 39. ROCK   |
| 40. DOG   | 40. BONE   |
| 41. MOP   | 41. FACE   |
| 42. LEAK  | 42. THIEF  |
| 43. THUMB | 43. LICK   |
| 44. BOOK  | 44. TOAD   |
| 45. GIRL  | 45. PAGE   |
| 46. ROAD  | 46. NIGHT  |
| 47. LIGHT | 47. HAIR   |
| 48. JET   | 48. WHEEL  |
| 49. VEIL  | 49. RAT    |
| 50. MILL  | 50. LOG    |

**TRACK 17 (116 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6**

## LIST 1A      COMPETING SENTENCES

1. LAUD      Name three kinds of cheese.
2. BOAT      How many eggs in a dozen?
3. POOL      Name five letters of the alphabet.
4. NAG      What country produces olive oil?
5. LIMB      How much more is five than three?
6. SHOUT      Name two kinds of nuts.
7. SUB      Name a winter sport in Canada.
8. VINE      Name a plant that grows in water.
9. DIME      Name a common shade tree.
10. GOOSE      Name an American battleship.
11. WHIP      Give five legal holidays.
12. TOUGH      Name a type of milk.
13. PUFF      Give the color of a polar bear.
14. KEEN      Locate a good Southern harbor.
15. DEATH      Name two uses for ice.
16. SELL      Give four colors in the rainbow.
17. TAKE      Name your favorite sport.
18. FALL      Give the sum of four and six.
19. RAISE      Name three things made in a bakery.
20. THIRD      Locate a large hotel in the city.
21. GAP      Name a common wildflower.
22. FAT      Explain the daylight saving plan.
23. MET      Name one British colony.
24. JAR      Name four points on a compass.
25. DOOR      How many inches in a yard?

**TRACK 18 (119 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6**

## LIST 1A      COMPETING SENTENCES

26. LOVE      Name two states in the west.
27. SURE      Name the last novel you read.
28. KNOCK      Name two dairy products.
29. CHOICE      Name three historical events.
30. HASH      Name the last day of the week.
31. LOT      Name a large city in Canada.
32. RAID      Name three different liquids.
33. HURL      Tell how Lincoln met his death.
34. MOON      Name a popular play.
35. PAGE      Suggest a scheme for earning money.
36. YES      What winds usually bring rain?
37. REACH      Why do ships carry life boats?
38. KING      Name a liquid used for writing.
39. HOME      Name three mineral products.
40. RAG      How many quarts in a gallon?
41. WHICH      Does water run up hill or down?
42. WEEK      Name two inventors.
43. SIZE      What time of the year is harvest time?
44. MODE      Name three precious gems.
45. BEAN      Why do birds fly South in the winter?
46. TIP      Draw an outline of North America.
47. CHALK      Name the number before thirty-seven.
48. JAIL      Give the name for dried grapes.
49. BURN      What causes warm air to rise?
50. KITE      Describe the American flag.

**TRACK 19 (118 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6****LIST 2A      COMPETING SENTENCES**

1. PICK      Give the color of a polar bear.
2. ROOM      Name three different liquids.
3. NICE      Name three things made in a bakery.
4. SAID      Name a liquid used for writing.
5. FAIL      Suggest a scheme for earning money
6. SOUTH      How much more is five than three?
7. WHITE      What country produces olive oil?
8. KEEP      Name three historical events.
9. DEAD      Name two uses for ice.
10. LOAF      Name one British colony.
11. DAB      What causes warm air to rise?
12. NUMB      Give four colors in the rainbow.
13. JUICE      Name five letters of the alphabet.
14. CHIEF      What winds usually bring rain?
15. MERGE      Give the sum of four and six.
16. WAG      Locate a large hotel in the city.
17. RAIN      Name a plant that grows in water.
18. WITCH      Name the last day of the week.
19. SOAP      Name two states in the west.
20. YOUNG      Name three mineral products.
21. TON      Name four points on a compass.
22. KEG      Describe the American flag.
23. CALM      Explain the daylight saving plan.
24. TOOL      Name a winter sport in Canada.
25. PIKE      Name two kinds of nuts.

**TRACK 20 (118 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6****LIST 2A      COMPETING SENTENCES**

26. MILL      Name a type of milk.
27. HUSH      Name a popular play.
28. SHACK      Name a large city in Canada.
29. READ      Tell how Lincoln met his death.
30. ROT      How many eggs in a dozen?
31. HATE      Name your favorite sport.
32. LIVE      Give five legal holidays.
33. BOOK      Name two dairy products.
34. VOICE      Why do ships carry life boats?
35. GAZE      Name the last novel you read.
36. PAD      Name three kinds of cheese.
37. THOUGHT      Name an American battleship.
38. BOUGHT      How many inches in a yard?
39. TURN      Name the number before thirty-seven.
40. CHAIR      Give the name for dried grapes.
41. LORE      Name two inventors.
42. BITE      How many quarts in a gallon?
43. HAZE      Name three precious gems.
44. MATCH      Why do birds fly South in the winter?
45. LEARN      Name a common shade tree.
46. SHAWL      Does water run up hill or down?
47. DEEP      What time of the year is harvest time?
48. GIN      Locate a good Southern harbor.
49. GOAL      Draw an outline of North America.
50. FAR      Name a common wildflower.

**TRACK 21 (118 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6****LIST 3A      COMPETING SENTENCES**

1. BASE      Name a popular play.
2. MESS      Name two kinds of nuts.
3. CAUSE      Locate a large hotel in the city.
4. MOP      Does water run up hill or down?
5. GOOD      Name a common shade tree.
6. LUCK      Name your favorite sport.
7. WALK      How many inches in a yard?
8. YOUTH      Tell how Lincoln met his death.
9. PAIN      Why do birds fly South in the winter?
10. DATE      How many eggs in a dozen?
11. PEARL      Name the last day of the week.
12. SEARCH      Give the name for dried grapes.
13. DITCH      Name three different liquids.
14. TALK      Name a plant that grows in water.
15. RING      Name an American battleship.
16. GERM      Explain the daylight saving plan.
17. LIFE      Give the color of a polar bear.
18. TEAM      Suggest a scheme for earning money.
19. LID      Name a common wildflower.
20. POLE      Why do ships carry life boats?
21. RODE      Name the last novel you read.
22. SHALL      Name five letters of the alphabet.
23. LATE      Name a type of milk.
24. CHEEK      Name a large city in Canada.
25. BEG      Give five legal holidays.

**TRACK 22 (117 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6****LIST 3A      COMPETING SENTENCES**

26. GUN      Name one British colony.
27. JUG      Describe the American flag.
28. SHEEP      How many quarts in a gallon?
29. FIVE      What winds usually bring rain?
30. RUSH      Give the sum of four and six.
31. RAT      Name two states in the west.
32. VOID      Name two uses for ice.
33. WIRE      What time of the year is harvest time?
34. HALF      Name three precious gems.
35. NOTE      Name two dairy products.
36. WHEN      Name four points on a compass.
37. NAME      How much more is five than three?
38. THIN      Name three mineral products.
39. TELL      Give four colors in the rainbow.
40. BAR      Name a winter sport in Canada.
41. MOUSE      Name three historical events.
42. HIRE      Name three kinds of cheese.
43. CAB      Name the number before thirty-seven.
44. HIT      Name two inventors.
45. CHAT      Locate a good Southern harbor.
46. PHONE      Name a liquid used for writing.
47. SOUP      Draw an outline of North America.
48. DODGE      Name three things made in a bakery.
49. SEIZE      What causes warm air to rise?
50. COOL      What country produces olive oil?

**TRACK 23 (118 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6****LIST 4A      COMPETING SENTENCES**

1. PASS      What causes warm air to rise?
2. DOLL      What country produces olive oil?
3. BACK      Name a common wildflower.
4. RED      Name two kinds of nuts.
5. WASH      Name the last novel you read.
6. SOUR      How much more is five than three?
7. BONE      Name three precious gems.
8. GET      How many eggs in a dozen?
9. WHEAT      Explain the daylight saving plan.
10. THUMB      Locate a large hotel in the city.
11. SALE      Name two uses for ice.
12. YEARN      Name four points on a compass.
13. WIFE      How many inches in a yard?
14. SUCH      Give the name for dried grapes.
15. NEAT      Tell how Lincoln met his death.
16. PEG      Name an American battleship.
17. MOB      Name a popular play.
18. GAS      Why do ships carry life boats?
19. CHECK      Give five legal holidays.
20. JOIN      What winds usually bring rain?
21. LEASE      Name a common shade tree.
22. LONG      Name three historical events.
23. CHAIN      Give four colors in the rainbow.
24. KILL      Give the sum of four and six.
25. HOLE      Name two dairy products.

**TRACK 24 (118 s)**

Left Channel

Right Channel

**NORTHWESTERN UNIVERSITY  
AUDITORY TEST NO. 6****LIST 4A      COMPETING SENTENCES**

26. LEAN      Name three mineral products.
27. TAPE      What time of the year is harvest time?
28. TIRE      Name the last day of the week.
29. DIP      Give the color of a polar bear.
30. ROSE      Name a liquid used for writing.
31. CAME      Draw an outline of North America.
32. FIT      Name your favorite sport.
33. MAKE      How many quarts in a gallon?
34. VOTE      Name a large city in Canada.
35. JUDGE      Describe the American flag.
36. FOOD      Name three different liquids.
37. RIPE      Name two inventors.
38. HAVE      Why do birds fly South in the winter?
39. ROUGH      Name one British colony.
40. KICK      Name two states in the west.
41. LOSE      Name five letters of the alphabet.
42. NEAR      Name a type of milk.
43. PERCH      Name three things made in a bakery.
44. SHIRT      Name three kinds of cheese.
45. BATH      Locate a good Southern harbor.
46. TIME      Does water run up hill or down?
47. HALL      Name the number before thirty-seven?
48. MOOD      Name a winter sport in Canada.
49. DOG      Suggest a scheme for earning money.
50. SHOULD      Name a plant that grows in water.

**Track 25 (145 s)****Words-in-Noise Test (WIN)****List 1, Random 1**

Left Channel Test Materials  
Right Channel Monitor Words

1. PAIN	24-dB S/N
2. YOUTH	24-dB S/N
3. WHEAT	24-dB S/N
4. DODGE	24-dB S/N
5. COOL	24-dB S/N
6. DITCH	20-dB S/N
7. RING	20-dB S/N
8. KICK	20-dB S/N
9. CHAIR	20-dB S/N
10. LUCK	20-dB S/N
11. BASE	16-dB S/N
12. WIRE	16-dB S/N
13. RED	16-dB S/N
14. TON	16-dB S/N
15. JUDGE	16-dB S/N
16. HATE	12-dB S/N
17. SHACK	12-dB S/N
18. TOOL	12-dB S/N
19. VOICE	12-dB S/N
20. RUSH	12-dB S/N
21. TURN	8-dB S/N
22. YOUNG	8-dB S/N
23. BITE	8-dB S/N
24. PICK	8-dB S/N
25. HALF	8-dB S/N
26. FAR	4-dB S/N
27. LEARN	4-dB S/N
28. TALK	4-dB S/N
29. MODE	4-dB S/N
30. NOTE	4-dB S/N
31. GAZE	0-dB S/N
32. LIFE	0-dB S/N
33. GATE	0-dB S/N
34. READ	0-dB S/N
35. BATH	0-dB S/N

**Track 26 (145 s)****Words-in-Noise Test (WIN)****List 2, Random 1**

Left Channel Test Materials  
Right Channel Monitor Words

1. FOOD	24-dB S/N
2. ROAD	24-dB S/N
3. JUICE	24-dB S/N
4. LATE	24-dB S/N
5. HIRE	24-dB S/N
6. TIRE	20-dB S/N
7. SUCH	20-dB S/N
8. SHAWL	20-dB S/N
9. HAZE	20-dB S/N
10. GUN	20-dB S/N
11. LIVE	16-dB S/N
12. DATE	16-dB S/N
13. GAS	16-dB S/N
14. HAVE	16-dB S/N
15. DOG	16-dB S/N
16. GOOD	12-dB S/N
17. SEARCH	12-dB S/N
18. PASS	12-dB S/N
19. WITCH	12-dB S/N
20. CHIEF	12-dB S/N
21. SOUR	8-dB S/N
22. DOLL	8-dB S/N
23. DEEP	8-dB S/N
24. SOAP	8-dB S/N
25. MAKE	8-dB S/N
26. BEG	4-dB S/N
27. MESS	4-dB S/N
28. LONG	4-dB S/N
29. MOUSE	4-dB S/N
30. SHEEP	4-dB S/N
31. BACK	0-dB S/N
32. DAB	0-dB S/N
33. KILL	0-dB S/N
34. NICE	0-dB S/N
35. CALM	0-dB S/N



**Track 27 (145 s)****Words-in-Noise Test (WIN)****List 1, Random 2**

Left Channel Test Materials  
Right Channel Monitor Words

1. WHEAT	24-dB S/N
2. PAIN	24-dB S/N
3. YOUTH	24-dB S/N
4. DODGE	24-dB S/N
5. COOL	24-dB S/N
6. DITCH	20-dB S/N
7. KICK	20-dB S/N
8. LUCK	20-dB S/N
9. CHAIR	20-dB S/N
10. RING	20-dB S/N
11. WIRE	16-dB S/N
12. TIME	16-dB S/N
13. RED	16-dB S/N
14. JUDGE	16-dB S/N
15. BASE	16-dB S/N
16. RUSH	12-dB S/N
17. VOICE	12-dB S/N
18. TOOL	12-dB S/N
19. SHACK	12-dB S/N
20. HATE	12-dB S/N
21. BITE	8-dB S/N
22. PICK	8-dB S/N
23. YOUNG	8-dB S/N
24. TURN	8-dB S/N
25. HALF	8-dB S/N
26. TALK	4-dB S/N
27. NOTE	4-dB S/N
28. MOOD	4-dB S/N
29. LEARN	4-dB S/N
30. FAR	4-dB S/N
31. BATH	0-dB S/N
32. GAZE	0-dB S/N
33. READ	0-dB S/N
34. READ	0-dB S/N
35. LIFE	0-dB S/N

**Track 28 (145 s)****Words-in-Noise Test (WIN)****List 2, Random 2**

Left Channel Test Materials  
Right Channel Monitor Words

1. Road	24-dB S/N
2. Late	24-dB S/N
3. FOOD	24-dB S/N
4. JUICE	24-dB S/N
5. HIRE	24-dB S/N
6. GUN	20-dB S/N
7. TIRE	20-dB S/N
8. HAZE	20-dB S/N
9. SUCH	20-dB S/N
10. SHAWL	20-dB S/N
11. DOG	16-dB S/N
12. DATE	16-dB S/N
13. HAVE	16-dB S/N
14. LIVE	16-dB S/N
15. GAS	16-dB S/N
16. WITCH	12-dB S/N
17. GOOD	12-dB S/N
18. SEARCH	12-dB S/N
19. PASS	12-dB S/N
20. CHIEF	12-dB S/N
21. MAKE	8-dB S/N
22. DOLL	8-dB S/N
23. SOUR	8-dB S/N
24. DEEP	8-dB S/N
25. SOAP	8-dB S/N
26. BEG	4-dB S/N
27. MOUSE	4-dB S/N
28. MESS	4-dB S/N
29. LONG	4-dB S/N
30. SHEEP	4-dB S/N
31. BACK	0-dB S/N
32. CALM	0-dB S/N
33. DAB	0-dB S/N
34. NICE	0-dB S/N
35. KILL	0-dB S/N

**Track 29 (145 s)****Words-in-Noise Test (WIN)****List 1, Random 3**

Left Channel Test Materials  
Right Channel Monitor Words

1. COOL	24-dB S/N
2. DODGE	24-dB S/N
3. WHEAT	24-dB S/N
4. PAIN	24-dB S/N
5. YOUTH	24-dB S/N
6. LUCK	20-dB S/N
7. CHAIR	20-dB S/N
8. RING	20-dB S/N
9. DITCH	20-dB S/N
10. KICK	20-dB S/N
11. JUDGE	16-dB S/N
12. RED	16-dB S/N
13. BASE	16-dB S/N
14. WIRE	16-dB S/N
15. TIME	16-dB S/N
16. HATE	12-dB S/N
17. VOICE	12-dB S/N
18. SHACK	12-dB S/N
19. TOOL	12-dB S/N
20. RUSH	12-dB S/N
21. HALF	8-dB S/N
22. PICK	8-dB S/N
23. YOUNG	8-dB S/N
24. BITE	8-dB S/N
25. TURN	8-dB S/N
26. NOTE	4-dB S/N
27. MOOD	4-dB S/N
28. FAR	4-dB S/N
29. TALK	4-dB S/N
30. LEARN	4-dB S/N
31. BATH	0-dB S/N
32. GAZE	0-dB S/N
33. GET	0-dB S/N
34. LIFE	0-dB S/N
35. READ	0-dB S/N

**Track 30 (145 s)****Words-in-Noise Test (WIN)****List 2, Random 3**

Left Channel Test Materials  
Right Channel Monitor Words

1. HIRE	24-dB S/N
2. FOOD	24-dB S/N
3. ROAD	24-dB S/N
4. LATE	24-dB S/N
5. JUICE	24-dB S/N
6. HAZE	20-dB S/N
7. SUCH	20-dB S/N
8. TIRE	20-dB S/N
9. SHAWL	20-dB S/N
10. GUN	20-dB S/N
11. DATE	16-dB S/N
12. DOG	16-dB S/N
13. LIVE	16-dB S/N
14. HAVE	16-dB S/N
15. GAS	16-dB S/N
16. PASS	12-dB S/N
17. GOOD	12-dB S/N
18. WITCH	12-dB S/N
19. CHIEF	12-dB S/N
20. SEARCH	12-dB S/N
21. MAKE	8-dB S/N
22. SOUR	8-dB S/N
23. DEEP	8-dB S/N
24. DOLL	8-dB S/N
25. SOAP	8-dB S/N
26. LONG	4-dB S/N
27. SHEEP	4-dB S/N
28. BEG	4-dB S/N
29. MOUSE	4-dB S/N
30. MESS	4-dB S/N
31. BACK	0-dB S/N
32. NICE	0-dB S/N
33. CALM	0-dB S/N
34. DAB	0-dB S/N
35. KILL	0-dB S/N

**Track 31 (145 s)****Words-in-Noise Test (WIN)****List 1, Random 4**

Left Channel Test Materials  
Right Channel Monitor Words

1. PAIN	24-dB S/N
2. WHEAT	24-dB S/N
3. COOL	24-dB S/N
4. DODGE	24-dB S/N
5. YOUTH	24-dB S/N
6. KICK	20-dB S/N
7. LUCK	20-dB S/N
8. DITCH	20-dB S/N
9. CHAIR	20-dB S/N
10. RING	20-dB S/N
11. JUDGE	16-dB S/N
12. TIME	16-dB S/N
13. BASE	16-dB S/N
14. RED	16-dB S/N
15. WIRE	16-dB S/N
16. RUSH	12-dB S/N
17. TOOL	12-dB S/N
18. VOICE	12-dB S/N
19. SHACK	12-dB S/N
20. HATE	12-dB S/N
21. PICK	8-dB S/N
22. YOUNG	8-dB S/N
23. TURN	8-dB S/N
24. HALF	8-dB S/N
25. BITE	8-dB S/N
26. MOOD	4-dB S/N
27. TALK	4-dB S/N
28. LEARN	4-dB S/N
29. FAR	4-dB S/N
30. NOTE	4-dB S/N
31. READ	0-dB S/N
32. LIFE	0-dB S/N
33. BATH	0-dB S/N
34. GET	0-dB S/N
35. GAZE	0-dB S/N

**Track 32 (145 s)****Words-in-Noise Test (WIN)****List 2, Random 4**

Left Channel Test Materials  
Right Channel Monitor Words

1. FOOD	24-dB S/N
2. JUICE	24-dB S/N
3. HIRE	24-dB S/N
4. LATE	24-dB S/N
5. ROAD	24-dB S/N
6. GUN	20-dB S/N
7. SUCH	20-dB S/N
8. SHAWL	20-dB S/N
9. HAZE	20-dB S/N
10. TIRE	20-dB S/N
11. DATE	16-dB S/N
12. GAS	16-dB S/N
13. DOG	16-dB S/N
14. HAVE	16-dB S/N
15. LIVE	16-dB S/N
16. CHIEF	12-dB S/N
17. PASS	12-dB S/N
18. WITCH	12-dB S/N
19. GOOD	12-dB S/N
20. SEARCH	12-dB S/N
21. DEEP	8-dB S/N
22. MAKE	8-dB S/N
23. SOAP	8-dB S/N
24. DOLL	8-dB S/N
25. SOUR	8-dB S/N
26. MOUSE	4-dB S/N
27. SHEEP	4-dB S/N
28. MESS	4-dB S/N
29. BEG	4-dB S/N
30. LONG	4-dB S/N
31. NICE	0-dB S/N
32. KILL	0-dB S/N
33. DAB	0-dB S/N
34. BACK	0-dB S/N
35. CALM	0-dB S/N

**TRACK 33 (140 s)      TRACK 33 (140 s)      TRACK 34 (139 s)      TRACK 34 (139 s)**

Left Channel

Right Channel

Left Channel

Right Channel

**SPANISH WORD RECOGNITION****SPANISH WORD RECOGNITION**

LIST 1A (words 1-25) LIST 2A (words 1-25)

LIST 1A (words 26-50)

LIST 2A (words 26-50)

1. mono (monkey)	1. mesa (table)	1. santo (saint m.)	1. santa (saint m.)
2. prisa (hurry)	2. piso (floor)	2. voto (vote)	2. zorro (fox)
3. jota ("J")	3. halcón (hawk)	3. barca (boat)	3. barra (bar)
4. riza (pray)	4. roca (snore)	4. queso (cheese)	4. plaza (plaza)
5. rama (twig)	5. riña (fight)	5. hueso (bone)	5. fresa (strawberry)
6. ratón (rat)	6. risa (laugh)	6. cárcel (jail)	6. carta (jelly)
7. correr (run)	7. comer (eat)	7. oso (bear)	7. ocho (eight)
8. salto (jump)	8. sapo (frog)	8. pito (whistle)	8. piña (pineapple)
9. canta (sing)	9. cabra (goat)	9. roja (red)	9. ronca (snore)
10. barba (boat)	10. balcón (balcony)	10. caja (box)	10. bolsa (purse)
11. ladrón (robber)	11. jamón (ham)	11. ropa (rope)	11. rosa (rose)
12. viña (vine)	12. vota (vote)	12. pico (sting)	12. pino (pine tree)
13. foto (photo)	13. coser (sew)	13. cono (cone)	13. coca (coke)
14. pala (shovel)	14. oro (gold)	14. ojo (eye)	14. nota (note)
15. talón (heel)	15. tapa (lid)	15. besa (kiss)	15. bastón (cane)
16. gorro (cap)	16. dama (lady)	16. llama (knock)	16. llanta (tire)
17. manta (blanket)	17. lloro (cry)	17. capa (cape)	17. cama (bed)
18. tasa (cup)	18. tisa (chalk)	18. masa (dough)	18. mala (sick f.)
19. boca (mouth)	19. bata (robe)	19. papa (potato)	19. peso (money)
20. bota (boot)	20. boda (wedding)	20. carne (meat)	20. carga (load)
21. rota (broken f.)	21. roto (broken m.)	21. bola (ball)	21. beso (kiss)
22. balón (balloon)	22. ala (wing)	22. cara (face)	22. caña (cane)
23. sala (living rm)	23. saco (sack)	23. coger (catch)	23. casa (house)
24. misa (mass)	24. mapa (map)	24. toro (bull)	24. trono (throne)
25. niña (girl)	25. moto (motorcycle)	25. toca (knock)	25. tono (note)

**Track 35 (235 s)**

Left &amp; Right Channel.

**500-Hz Masking-Level Difference Stimuli**

	Condition	Signal-to-Noise Ratio
1.	SoNo	1-dB S/N
2.	S $\pi$ No	-7-dB S/N
3.	No Tone	
4.	S $\pi$ No	-9-dB S/N
5.	No Tone	
6.	SoNo	-1-dB S/N
7.	No Tone	
8.	SoNo	-3-dB S/N
9.	S $\pi$ No	-11-dB S/N
10.	No Tone	
11.	S $\pi$ No	-13-dB S/N
12.	SoNo	-5-dB S/N
13.	S $\pi$ No	-15-dB S/N
14.	SoNo	-7-dB S/N
15.	No Tone	
16.	SoNo	-9-dB S/N
17.	No Tone	
18.	S $\pi$ No	-17-dB S/N
19.	SoNo	-11-dB S/N
20.	S $\pi$ No	-19-dB S/N
21.	No Tone	
22.	S $\pi$ No	-21-dB S/N
23.	No Tone	
24.	SoNo	-13-dB S/N
25.	No Tone	
26.	SoNo	-15-dB S/N
27.	S $\pi$ No	-23-dB S/N
28.	No Tone	
29.	S $\pi$ No	-25-dB S/N
30.	SoNo	-17-dB S/N
31.	S $\pi$ No	-27-dB S/N
32.	No Tone	
33.	S $\pi$ No	-29-dB S/N

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**SPEECH RECOGNITION AND IDENTIFICATION MATERIALS, DISC 4.0**

Track	Left Channel	Right Channel	Time
1	1000-Hz Calibration Tone	1000-Hz Calibration Tone	0:31
2	Spondaic Words (72, at = vu) <sup>1</sup>	Spondaic Words (72 at = intelligibility)	4:52
3	Maryland CNC List 1 (1-25) <sup>1</sup>	CID W-22 List 1A (1-25) <sup>2</sup>	1:48
4	Maryland CNC List 1 (26-50)	CID W-22 List 1A (26-50)	1:46
5	Maryland CNC List 3 (1-25)	CID W-22 List 2A (1-25)	1:48
6	Maryland CNC List 3 (26-50)	CID W-22 List 2A (26-50)	1:48
7	Maryland CNC List 6 (1-25)	CID W-22 List 3A (1-25)	1:48
8	Maryland CNC List 6 (26-50)	CID W-22 List 3A (26-50)	1:48
9	Maryland CNC List 7 (1-25)	CID W-22 List 4A (1-25)	1:48
10	Maryland CNC List 7 (26-50)	CID W-22 List 4A (26-50)	1:47
11	Maryland CNC List 9 (1-25)	Rush Hughes PB-50 List 8B (1-25) <sup>2</sup>	1:47
12	Maryland CNC List 9 (26-50)	Rush Hughes PB-50 List 8B (26-50)	1:48
13	Maryland CNC List 10 (1-25)	Rush Hughes PB-50 List 9B (1-25)	1:48
14	Maryland CNC List 10 (26-50)	Rush Hughes PB-50 List 9B (26-50)	1:48
15	Picture ID Task List 1A (1-25) <sup>3</sup>	Picture ID Task List 2A (1-25)	2:31
16	Picture ID Task List 1A (26-50)	Picture ID Task List 2A (26-50)	2:31
17	NU No. 6 CNC List 1A (1-25) <sup>1</sup>	Competing Sentences	1:56
18	NU No. 6 CNC List 1A (26-50)	Competing Sentences	1:59
19	NU No. 6 CNC List 2A (1-25)	Competing Sentences	1:58
20	NU No. 6 CNC List 2A (26-50)	Competing Sentences	1:58
21	NU No. 6 CNC List 3A (1-25)	Competing Sentences	1:58
22	NU No. 6 CNC List 3A (26-50)	Competing Sentences	1:57
23	NU No. 6 CNC List 4A (1-25)	Competing Sentences	1:58
24	NU No. 6 CNC List 4A (26-50)	Competing Sentences	1:58
25	WIN Test, List 1, Random 1	WIN Test, List 1, Random 1 (monitor)	2:25
26	WIN Test, List 2, Random 1	WIN Test, List 2, Random 1 (monitor)	2:25
27	WIN Test, List 1, Random 2	WIN Test, List 1, Random 2 (monitor)	2:25
28	WIN Test, List 2, Random 2	WIN Test, List 2, Random 2 (monitor)	2:25
29	WIN Test, List 1, Random 3	WIN Test, List 1, Random 3 (monitor)	2:25
30	WIN Test, List 2, Random 3	WIN Test, List 2, Random 3 (monitor)	2:25
31	WIN Test, List 1, Random 4	WIN Test, List 1, Random 4 (monitor)	2:25
32	WIN Test, List 2, Random 5	WIN Test, List 2, Random 4 (monitor)	2:25
33	Spanish Word Recog List 1 (1-25)	Spanish Word Recog List 2 (1-25)	2:20
34	Spanish Word Recog List 1 (26-50)	Spanish Word Recog List 2 (26-50)	2:19
35	500-Hz Masking-Level Difference	500-Hz Masking-Level Difference	3:52

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**76:49**

<sup>1</sup>Spondaic words, Maryland CNC lists, & NU No. 6 CNC lists reproduced compliments of G. Donald Causey, Ph.D.,

Consultant in Audiology, VA Medical Center, Washington, D.C.

<sup>2</sup>CID W-22 lists & PB-50 lists (Rush Hughes) reproduced from the original recordings produced by Charles E. Harrison

at Technisonic Studios, Inc., St. Louis, Missouri.

<sup>3</sup>Picture Identification Task lists compliments of Audiology Section, VA Medical Center, Mountain Home, Tennessee.

<sup>4</sup>Synthetic Sentence Identification materials reproduced compliments of James Jerger, Ph.D., University of Texas, Dallas.