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UNIVERSITY OF MINNESOTA
DEPARTMENT OF PSYCHOLOGY

The Complete Minnesota Norms for
Responses to the Words from the
Kennerly-Banoff Word Association Test

by

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and

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Studies on the Role of Language in Behavior
Technical Report No. 11
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THE ROLE OF LANGUAGE IN BEHAVIOR

Technical Report Number 11

THE COMPLETE MINNESOTA NORMS FOR RESPONSES TO STIMULUS WORDS FROM THE KENT-ROSANOFF WORD ASSOCIATION TEST

By Russell and James J. Jenkins
University of Minnesota

While investigating the role of associative and contextual factors in verbal behavior, the writers have had to make frequent recourse to the normative data for the Kent-Rosanoff test gathered by Schaeffer more than twenty years ago. After those norms had been used in several experimental studies, it became apparent from internal evidence that the data were no longer applicable to subjects being investigated today. In consequence, the project of gathering new norms was undertaken during the fall and winter of 1952-53. The results obtained make up the body of this technical report. These norms have already proven to be a valuable research aid to the writers and are being reproduced in their entirety in order that they may be made more widely available for future research.

One hundred stimulus words from the Kent-Rosanoff Word Association Test were administered to students in beginning psychology classes at the University of Minnesota. The form of the test list is presented in Appendix A. The two mimeographed sheets making up the test were stapled together and distributed to the students during regular class periods with only the blank sides immediately observable. The instructions were as follows:

"THIS IS ONE OF THE STUDIES IN VERBAL BEHAVIOR BEING DONE AT MINNESOTA. THIS PARTICULAR EXPERIMENT IS ON FREE ASSOCIATION."

"PLEASE WRITE YOUR NAME ON THE OUTSIDE OF THE PAPER PASSED TO YOU. YOU CAN IGNORE THE PLACE FOR YOUR NAME ON THE OTHER SIDE."

"WHEN YOU OPEN THESE SHEETS, YOU WILL SEE A LIST OF 100 STIMULUS WORDS. AFTER EACH WORD WRITE THE FIRST WORD THAT IT MAKES YOU THINK OF. START WITH THE FIRST WORD; LOOK AT IT; WRITE THE WORD IT MAKES YOU THINK OF; THEN GO ON TO THE NEXT WORD."

"USE ONLY A SINGLE WORD FOR EACH RESPONSE."

"DO NOT SKIP ANY WORDS."

"WORK RAPIDLY UNTIL YOU HAVE FINISHED ALL 100 WORDS."

"WHEN YOU ARE THROUGH TURN YOUR PAPER OVER AND WRITE ON THE BACK THE LETTER THAT APPEARS ON THE BOARD AT THAT TIME."

"ARE THERE ANY QUESTIONS?"

"READY. GO."

After four minutes, the letter A was printed on the blackboard. Every thirty seconds thereafter a new letter was substituted in alphabetical sequence. A rough index of the time necessary for each student to complete the test could be determined by reference to the letter appearing on the back of his test form.

The test was given to 113 students in all. Of these 23 failed to complete their forms and were consequently discarded. This left 1008 subjects for the final tabulation of responses.

On the following pages, the responses given to each stimulus word are listed. The number preceding each response word indicates the number of different students who gave that particular response.

This study is part of a larger series of studies of verbal behavior being conducted at the University of Minnesota. This series is being sponsored by the Office of Naval Research (Contract Number N00011-66-60216) under its policy of encouraging basic research.

STIMULUS - 1. Table

840	chair	3	dinner, tennis, Mable
41	food	2	door, cup, room, fork, round, floor, silver
21	desk	1	four, spoon, lamp, bed, card, board, hard,
15	top		huge, plate, pool, book, maple, house, sink,
11	leg(s)		stable, sable, mesa, drink, leaf, set, black,
9	eat		tablecloth, black, kitchen, meat, flat, study,
8	cloth		company
7	dish(es)		
6	wood		

STIMULUS - 2. Dark

829	light	2	alley, love, house, dark, movie, girl,
55	night	1	red, moon, noon, stanky, Katy, photography,
33	room		owl, coat, cold, picture, window, color,
31	black		camera, negro, sleep, brown, mood, photo.
9	white		wood, lonely, music, murder, women, obscure,
5	closet		bark, tight, noise
4	bright		
3	ink		

STIMULUS - 3. Music

183	song(s)	5	dancing, beauty, choir, hall, nice, sheet,
168	note(s)		laughter, concert, words
124	sound	4	voice, drum, trumpet, opera, tune, chord, stand,
51	piano	3	key(s), beautiful, music, record, scale, clef,
28	sing		trombone, maestro, rhythm, singing, composer,
26	noise		hear, time, listen
23	band	2	pleasant, violin, box, pretty, pleasure, staff,
16	horn		aria, clarinet, theory, Chopin, poetry, popular,
15	art		room, singer, chair, good, flute
14	sweet, soft, instrument	1	emotion, beat, joy, me, fond, death, color,
13	symphony		phonograph, lessons, classical, fun, camera,
12	play		fast, peace, 4 Aces, Sebastian, ballet, lyrics,
11	tone, jazz		pianissimo, page, Bartok, harmonica, light,
10	orchestra		fine, wind, cornet, appreciation, chorus, class,
9	dance		enjoyment, literature, musician, rhapsody, bow,
8	Beethoven, Bach		deaf, discord, sax, tuba, charm, conductor,
7	bar(s), radio		blue, Barbie, Jan, mother, soothing, Grieg,
6	score, harmony, melody		happiness, rat, Dick, chimes, jangle, Stravinsky,
			Wayne, therapy, dissonance, ear, ingenue, rice,
			old time, sinister, accordion, daughter, cold,
			organ, baton, Brahms, string, silence, choral,
			chamber, quiet, A, composition

STIMULUS - 4. Sickness

376 health
 159 ill
 153 death
 64 bed
 58 well
 26 illness
 21 doctor
 13 hospital
 12 disease
 7 bad
 6 flu, dead, cold
 5 sea, healthy, sick
 4 pain, man
 3 medicine, me

2 nausea, pills, cancer, measles, fever, hurt, vomit, weak, stomach, room
 1 Sister Kenny, wellmess, ugh, mother, sad, tests discomfort, unhappy, darkness, gah, heart, trouble, pale, ship, aches, dislike, famine, misery, recovery, ish, dying, no, ear, goodness, heal, throat, sour, weakness, boat, pleuresy, headache, beer, grandmother, dad, live, mon, nurse, sheets, T.B., you, grief, tooth, dog, sore, uncomfortable

STIMULUS - 5. Man

767 woman(en)
 65 boy
 31 girl
 18 dog
 17 lady
 10 mouse
 5 male, men, animal
 4 father, strong

3 friend, tall, pants, human, wife
 2 suit, beard, sex, sports, person, child leg(s), me
 1 Joe, hand, muscle, older, Bruce, pants, god, boxer, farm, being, earth, bad, big, beast, hair, hat, fellow, Pat, life, Roger, superman, Ed, Roosevelt, made, shirt, lean, date, moon, anthropology, figure, dark, handsome, Rodney, strength, home, build, money, race, tough, normal, hit, body, cow, large, sheep, poor

STIMULUS - 6. Deep

318 shallow
 131 dark
 101 water
 76 sea
 52 high
 48 ocean
 38 soft
 24 hole
 23 low
 19 well
 17 sleep
 13 blue
 12 down
 11 pit
 9 river, purple
 8 wide, narrow
 7 far
 5 light, black

4 long, lake, voice, South
 3 steep, complex, depth, hollow
 2 cave, mine, snow, night
 1 little, ground, bed, open, fathom, under, wave, dirty, afraid, height, cushion, music, deeper, trouble, drop, cavern, gold, tide, roots, very, Tom, base, falling, slumber, bottom, song, clear, thick, red, chair, slow, crevace, seat, pool, loft, see, raft, valley

STIMULUS - 7. Soft

87	hard	3	wool, hair, tender, sofa, girl, furry, water, sweet, deep, rug
81	light	2	mattress, high, mellow, rough, head, pretty, shoe, satin, mushy, cuddly, snow, quiet, cloud, tissue, down, sweater, spongy
42	pillow	1	sleep, heart, white, smooth, butter, fussy, comfort, harsh, feel, soothing, felt, airy, dim, fluff, spot, Ivory Snow, body, material, couch, quilt, weak, doll, paper, breath, fish, feathery, lee, rough, fat, sponge, custard, sheet, cloth, flesh, cool, hollow, seat, sound, tooth, sink, long, blanket, near, cold, soap, cat, cloy, egg, pink, pad, blue, woman, candy
28	bed		
22	smooth		
18	loud		
16	cotton, music		
13	fur		
12	tough		
11	fluffy, chair		
10	feather(s)		
9	warm, drink		
8	velvet, heavy		
7	cushion		
6	silk		
5	easy, dark, downy		
4	kitten		
	nice, skin		

STIMULUS - 8. Eating

399	food	4	candy, spoon
138	drinking	3	meal(s), fast, eat, bite, digesting
122	sleeping	2	taste, writing, chew, gorging, fun, carrot(s), dishes, place, bread, smoking, burp, starve, supper
45	hungry	1	breathing, grapes, turkey, soup, noon, consuming, much, giants, cheese, heartily, resting, eaten, people, sitting, happy, swallowing, ate, pig, plate, ham, life, man, malt, inn, gulping, not, teeth, hand, dessert, satisfy, potato, egg, lettuce, brook, head, banana, hearty, vomit, dining, swallow, dieting, gourmand, in, restaurant, chicken, mouthful, looking, fish, horse, fill, living, appetite, lion, masticating, through, enjoy, Le Roy, ice cream
22	starving, full		
16	fat		
12	steak, good		
11	hunger, mouth		
10	table, drink		
9	chewing, dinner, sleep		
8	fork		
7	lunch, fasting		
6	apole, habit(s)		
5	meat, biting, stomach, sick		

STIMULUS - 9. Mountain

266	hill(s)	11	rock(s)
127	high	10	lake
65	snow	9	big, climber, range, tree(s)
64	valley	8	height
46	climb	7	river, steep, horse
43	top	6	ski, Rocky(ies), Everest
24	peak(s), molehill	5	plateau, lion
22	man, climbing	4	Yellowstone, west, Alps, Colorado
20	plain	3	large, glacier, sky, road, magic, cliff, air, green, cave, trip
18	goat		
13	stream		

STIMULUS - 9. Mountain (continued)

- 2 water, sheep, crag(s), cloud(s), prairie, stone, crevice, blue, fall, point, home, land, mole, Kilimanjaro, Denver, tall, scenery, mound
 1 Montana, Moses, ground, Himalayas, huge, squirrel, picture, table, moon, snow-capped, house, faith, base, Idaho, Mt. Ranier, Pike's Peak, barrier, hole, knoll, mule, path, grass, berge, glory, heap, large hill, dirt, foot, incline, canyon, hunt, Jungfrau, Seattle, rain, chain, king, white, women, Grand Teton, bluff, village, scene, cold, flat, face, shallow, slope, desert, Penna, jump, ice, grown, Tehans, thru air, basement, whip-poor-will

STIMULUS - 10. House

- | | | | |
|-----|------------------------------|---|---|
| 247 | home | 7 | lawn, light |
| 93 | door | 6 | cottage, boat, dog, man, black, hut |
| 47 | garage | 5 | farm, furniture, cabin, street |
| 40 | barn | 4 | porch, paint, garden, table, comfort |
| 33 | roof, white | 3 | children, life, hotel, mother, lot, dwelling, square, tree |
| 23 | yard, windows | 2 | my, key, living, small, shed, kitchen, clean, apartment, hold, tent, wife, coat, mansion, fence, rent, work, gable, bed, road, sleep, green, grass, warmth, castle |
| 20 | wood | 1 | park, ranch, tall, den, heaven, shelter, fly, doctor, shade, sidewalk, louse, alley, manor, horse, blue, prostitution, cleaner, cat, still, shutter, abode, well, now, out, maid, money, habitat, haven, birch, cozy, breaker, jack, moving, pink, color, rest, construction, hell, payments, antenna, pillars, furnace, burned, cord, detective, representative, trailer, stone, Comstock, baker, yellow, party, bungalow, block, tiling, wide, women, lake, hamburgers, blinding, worn, Don, swift, land, horse, back, large, haunted |
| 19 | room | | |
| 17 | car | | |
| 16 | live | | |
| 15 | brick | | |
| 14 | chair(s), mouse | | |
| 13 | big, family, building, shack | | |
| 12 | top | | |
| 11 | people | | |
| 10 | red, chimney | | |
| 9 | build, dark | | |
| 8 | warm | | |

STIMULUS - 11. Black

- | | | | |
|-----|--------------------------------|---|--|
| 751 | white | 2 | horse, board, coat, wool, button, cold, brown, dress, gray, blackboard |
| 54 | dark | 1 | dirt, cap, dismal, green, casket, big, shiny, nice, pitch, Sam, dirty, death, hole, velvet, suit, spade, cat, stove, blackboard, ebony, chair, singe, magic, eye, dead, pants, witch, jack, telephone, murder, afraid, ink, book, stocking, darkness, cave, kitten, midnight, rake, wagon, depth, satin, good, marble, moon, whittle, hair, Negro, whiten, pit, body, blouse |
| 26 | cat | | |
| 22 | light | | |
| 20 | night | | |
| 11 | sheep | | |
| 10 | color | | |
| 9 | red | | |
| 6 | blue, dog | | |
| 5 | cloth | | |
| 3 | coal, bottom, paper, car, shoe | | |

STIMULUS - 12. Mutton

365	lamb	5	stew, coat
295	sheep	4	steak, fur, pork, dog
96	meat	3	wool, animal, cotton
56	chops	2	sieve, goat, bread, rabbit, ham, ish, deer
32	beef	1	dislike, ugh, button, role, hook, bone, scrap, shoulder, lousy, baseball, cat, hole, glove, calf, good, biscuit, fleecy, cold, song, steam, crown, cake, ghetto, white, scarf, grease, soup, G.I. stew, sutton, suffolk, horse, cloth, bake, Christmas, sit, breakfast
25	food		
12	veal		
10	collar		
9	leg		
7	Jeff		
6	eat, fat		

STIMULUS - 13. Comfort

117	chair	7	house, luxury, couch, sickness, good
99	bed	6	sick, sofa, southern
76	ease	5	uneasy, easy chair, sorrow, pleasure, enjoyment
71	home	4	console, davenport, peace, happiness, Tom, cozy, mother
69	soft		
55	discomfort	3	joy, girl(s), illness, money, fire, soothe, hardness, misery, hurt, content, safe
40	sleep	2	ill, relaxation, food, cold, station, car, aid, satisfaction, uncomfort, leisure, sad, solid, fireplace, yes, love, comforter, wife, quiet, comfortable
23	rest		
21	health		
20	warm		
19	hardship, hard		
18	easy	1	heaven, living, despair, soften, tired, wealth, whiskey, night, fine, security, relaxed, lounge, swing, fatigue, distress, foot, sit, sleeping, sadness, you, unease, sitting, snuggle, weary, poor, care, heart, women, unrest, convenient, bath, me, restful, convenience, wine, armchair, harsh, clean, kind, fort, Peter, bliss, book, dreary, television, friends, child, age, well, bell, laziness, music, people, person, baby, boat, suffering, round, feeling, full, yum, Bill, cove, cushion, friendly, heat, grief, hot, pity, cart, crap, smell, monk, rocks, quilt, ya, sea, don't
15	warmth		
13	uncomfortable		
12	lazy		
11	nice		
10	pillow, blanket, relax		
?	pain		
8	happy, help		

STIMULUS - 14. Hand

255	foot(ee)	12	nail
237	finger(s)	10	leg
131	arm	8	hold
53	glove	7	wrist
38	shake	6	hard, heart, palm, touch, ball
36	ring	5	skin, white, food, write, lotion
27	mouth	4	body, head
23	soft	3	shoe, cold, grasp, woman, short
15	face		

STIMULUS - 14. Hand (continued)

2 work, eye, strong, right, book, smooth, man, toe, chapped
 1 hand, revealing, wet, Lois, maiden, make, money, girl, teeth, long,
 paw, mark, feel, cuff, hurt, dexterity, piano, job, mitten, chin,
 appearance, warm, thumb, writing, big, callous, fist, limb, shaking,
 made, left, down, action, find, human, heel, art, bed, give, large,
 stool, watch, form, Bill, cream, nice, dirt, house, some, ink, towel,
 back, digit, welcome, reach, table, me, handcream, friend, fingernail

STIMULUS - 15. Short

397	tall	3	little, stop, high, wide
336	long	2	line, dwarf, snort, tail, good, story, wave,
76	fat		day, cake, stature, time, low, pencil, quick,
21	small		person, length
18	man	1	gun, tiny, digit, brief, box, baby, general,
11	hair		child, black, square, trousers, basketball, lady,
9	dark, stout		blonde, sweet, fingers, cut, lion, inch, me,
7	girl		midget, shorter, plump, beer, less, heavy, loud,
6	pants, stocky		nose, stuff, stick, side, lived, ruler, dog,
5	hand, light		name, curt, skinny, step, distance, ness, funny,
4	shirt, stubby		bold, limited, thick, Carol, height, Filipino

STIMULUS - 16. Fruit

378	apple	8	sweet
114	vegetable	6	candy, good
94	orange	5	peach, grapefruit, grapes, flower, seed, bowl
62	fly	4	nut
46	berry	3	basket, queer, strawberry, stand, fairy
43	sat	2	bitter, taste, citrus, cup, summer, jello, lemon,
31	pear		eating, boot, yellow
27	banana	1	squishy, blossom, monkey, roast, strange, boy,
23	cake		tangerine, meat, route, cocktail, slurp, weed,
15	food, cherry		wine, healthful, walnut, Harry, Ralph, pickle,
14	juice		smell, animal, beverage, child, tail, pleasant,
13	tree		sour, healthy, dark, tomato, raspberry, house,
11	salad		ripe

STIMULUS - 17. Butterfly

144	moth	23	cocoon
117	insect	22	summer
104	wing(s)	21	color(s)
84	bird	20	monarch, bee(s)
78	fly	14	stomach
62	yellow	9	worm, beauty
42	net	7	flying
34	pretty	6	animal, beautiful
33	flower(s)	5	blue
27	bug	4	flight, caterpillar, Madam, opera

STIMULUS - 17. Butterfly (continued)

- 3 ant, spring, butter, catch, dance, flutter
- 2 light, wasp, jet plane, sky, soft, mouse, colorful, song, dragonfly, Lepidoptera, dog, orange, spots, warm, lagoon, sunshine
- 1 roach, tree, feather, delicate, thing, grace, car, canary, butterfly's, fragile, flap, swim, curtain, maggot, girl, air, morn, hobby, smooth, felt, hornet, dainty, robin, grass, mosquito, buttercup, silk, Orthoptera, wheat, game, collection, field, louse, tiger, California, blind, cow, chase, watch, Georgia, outside, woods, dist, Spanish fly, freedom, nothing, nature, flea, sun, zoology, garden, Japan, look, dandelion, crazy

STIMULUS - 18. Smooth

- | | | | |
|-----|--|---|---|
| 328 | rough | 3 | bumpy, clear, wood, clean, round, rugged, |
| 206 | soft | | |
| 135 | hard | 2 | metal, top, sand, marble, stone, ice cream, mallow, road, sailing, plane, felt, nice, slippery, light, floor, feel, |
| 40 | silk | | |
| 29 | hands | 1 | bumpy, grass, face, aluminum, dark, long, chalk, finish, ride, steel, scratchy, drink, irregular, pillow, music, cylinder, stout, muscle, black-board, pavement, whiskey, rigid, simple, glossy, frictionless, cool, sheet, rocky, wrinkled, satiny, slide, glossy, bore, fine, neat, lines, skater, narrow, water, uneven, ocean, warm, swelte, person, sandy, flowing, woman, desk, brittle, porcelain, white, board, easy, rainy, frosting, exciting, shave, ivory, good, cut, board, sea, man, iron, touch, taste, block, snare, oil, jerky, mohogary |
| 13 | skin | | |
| 13 | glass | | |
| 12 | ice | | |
| 11 | surface, velvet | | |
| 10 | even | | |
| 8 | flat | | |
| 7 | sharp, table, shiny, level | | |
| 6 | sandpaper, satin | | |
| 4 | coarse, creamy, cloth, slick, marsh, silky | | |

STIMULUS - 19. Command

- | | | | |
|-----|----------------------|---|---|
| 196 | order | 6 | bark, word, decision, march, ROTC, give |
| 102 | army | 5 | man, leader, military |
| 78 | obey | 4 | force, answer, loud, discipline, action, lead |
| 65 | officer | 3 | law, respond, response, sir, hard, request, dog, speak, captain, act |
| 33 | performance | 2 | yes, Spanish, task, wish, service, power, call, execution, hear, chief, car, post, strong, rule(s), signal, respect, control, teacher, fellow, jump, colonel, mean |
| 27 | do, tell | | |
| 26 | shout, general | | |
| 23 | halt | | |
| 20 | voice | 1 | hat, polite, plea, book, salute, fulfill, Hitler, obedience, war, whistle, stern, noller, start, demanding, noise, attack, make, instruction, lecture, lead, anarchy, major, overseer, sit, report, regiment, disregard, boss, direction, don't, choose, erect, tough, hike, crisp, pass, displeasure, repeat, commander, beg, forward, retrieve, agreement, drill, charm, lord, shant, me, stupid, play, headqtrs, sternness, marine, change, sword, direct, Lacey, planes, heard, disobey, Caesar, situation, head, firm, no, |
| 18 | soldier | | |
| 16 | harsh | | |
| 15 | attention | | |
| 14 | sharp | | |
| 12 | stop | | |
| 11 | navy | | |
| 10 | go | | |
| 9 | demand, yell | | |
| 8 | sergeant, ask | | |
| 7 | air force, air, talk | | |

STIMULUS - 19. Command (continued)

1 perform, gun, Pfc., deep, high, Ike, Lt., help, reprimand, dominating, take, execute, relax, pilot, father, correct, wave, hell, learn, bellow, duty

STIMULUS - 20. Chair

498	table	4	floor, brown, house, couch, pillow
205	sit	3	back, relax, cloth, window
45	leg(s)	2	easy, man, davenport, bench, sleep, room, rung, car, electric, woman, lamp, rocker, home, blue, swivel, top
38	seat		
26	soft		
19	desk	1	president, living room, study, execution, glue, me, rug, leather, magazine, modern, bottom, fall, hat, piano, upholstery, embroidered, armchair, height, wicker, foot, cozy, green, black, office, lazy, overstuffed, cover, round, red, straight, paint, small, wheel
15	arm		
12	sofa		
9	wood		
8	rest, cushion		
7	stool		
6	hard		
5	comfort, high, sitting, bed		

STIMULUS - 21. Sweet

434	sour	5	chocolate
162	candy	1	Sue
80	sugar	3	lovely, pickle, heart, sound
76	bitter	2	milk, talk, harsh, cream, eat, woman, cake, lemon, pie, sick, cute, smile, strong, loud, love, hard, pretty, gentle, mellow, light
33	music		
22	soft		
17	girl	1	sacharine, innocent, notes, safe, sticky, joy, potato, sentimental, sharp, good looking, tangy, lips, food, little, LaVonne, young, thing, simple, song, breath, smooth, nut, sweeter, me, Dixie, melody, dark, nausea, nothings, scent, tart, grass, sing, acid, dream, thick, bird, Virginia, sweetheart, Barb, delicious, tender, whistle, cookie, spice, wife, sixteen
15	good		
13	tooth, taste		
11	nice		
8	low		
7	honey		
6	smell		

STIMULUS - 22. Whistle

131	stop	31	shrill	8	horn, sharp, work, music
89	train	26	boy	7	yell. policeman
73	noise	24	man	6	tone, teeth, shout, high, pop
62	sing	21	lips	5	happy, toot, bell
56	blow	13	wolf	4	talk, pucker, note(s), bird
49	tune	17	loud, call	3	twest, wood, tin, seven
39	girls, sound	15	mouth		
37	dog	11	cop		
33	scow	10	woman, police		

STIMULUS - 22. Whistle (continued)

- | | |
|---|--|
| 2 | purse, shriek, pipe, sweet, dark, bait, scream, signal, mother, hard, hum, holler, drink, whistle, hear, flirt |
| 1 | kettle, blew, wolf-call, wooden, screen, face, gym, cord, harsh, game, fellow, pierce, screech, melody, pursed lips, reed, pretty, bark, at, small, orange, Joe, locomotive, basketball, speech, French, watch, silver, circle, low, wait, ear, wind, find, short, jay, start, Elita, referee, smile, station, ring, tongue, come, stopped, nice, long, fun, sport |

STIMULUS - 23. Woman

- | | | | |
|-----|--------------------------|---|---|
| 626 | man(e) | 4 | old, figure, whistle |
| 88 | girl | 3 | love, skirt, wife, pretty, beauty |
| 75 | child | 2 | purse, soft, set, mom, boy, friend, furs |
| 16 | mother | 1 | shape, adult, little, talk, whom, apron, her, femininity, shawl, body, Betty, bag, face, hourglass, shop, locks, Eriya, date, tender, pregnate, Marilyn, Nancy, birth, gentle, kind, Ardis, block, feminine, beautiful, work, goal, breast, fat, dog, blouse, Barb, teacher, frau, lovely, short, head, ill, prostitute, stocking, furcoat, crown, tall, femininistic, women, ha, blind, bad, world, call, read, blonde, Ann, flirt |
| 15 | lady | | |
| 12 | dress | | |
| 11 | sex | | |
| 8 | female | | |
| 7 | nice, clothes, hat, hair | | |
| 5 | baby, cold | | |

STIMULUS - 24. Cold

- | | | | |
|-----|--------------------|---|---|
| 348 | hot | 5 | sneeze |
| 218 | snow | 3 | day, coat, wind, air, cough, freezing, temperature |
| 168 | warm | 2 | sweat, shiver, ill, night, shower, brrr, chilly, white, head, room, icy |
| 66 | winter | 1 | clover, jacket, sharp, water, clothes, brisk, bitter, icicle, hoarse, zero, degree, steel, slow, angry, war, artic, old, sniff, coal, sore, Al, discomfort, slaw, woman, cut, sun, radiator, shelter, side, drip, today, ball, blue, school, dry, frost, clouds, yes, warming, had, uncomfortable, hand, drinks, pain, shoulder |
| 29 | ice | | |
| 13 | wet, Minnesota | | |
| 10 | dark | | |
| 9 | sick | | |
| 8 | heat, weather | | |
| 7 | outside | | |
| 6 | nose, hard, freeze | | |

STIMULUS - 25. Slow

- | | | | |
|-----|--------|---|---|
| 752 | fast | 8 | turtle, poke, traffic |
| 23 | car(s) | 7 | walk |
| 22 | stop | 6 | speed, go |
| 17 | down | 4 | quick, streetcars, lazy |
| 12 | snail | 3 | sluggish, pokey, drive, boat, driver, ant, movement |
| 10 | sign | | |
| 9 | train | | |

STIMULUS - 25. Slow (continued)

2 sleat, skid, stop sign, bus, dog, run, easy, moving, street, move, light impatient,
 1 stupid, bear, Ford, lag, drag, work, walking, speedy, caution, roads, dance, psychology, slide, woman driver, dull, laborious,
 brain, good, dark, nervous, driving, sticky, steady, wagon, Mols. streetcars, late, highway, now, plane, clock, crawl, country, white, round, cow, soft, stream, plow, motion, mother, slug, women, music, cold, molasses, roommate, hard, horse, long, Jean, curve, tortoise, glow, policeman, river, accident, heavy, halt

STIMULUS - 26. Wish

124	want	4	have, could, happy, request
118	dream	3	happen, magic, luck, good, chicken, not receive, fulfill, do
112	desire	2	prayer, child, day dreaming, reward, song, grant, demand, here, rainbow, were, had, horse, ask, die, wishful, idea, I, like, fish, penny
99	hope	1	thumb, time, happiness, water, fairy tale, pond, Cinderella, may, was, myself, useless, secret, game, gratification, vague, call, boy, man, try, behave, howl, object, gotten, win, can, resourceful, longing, bath, beggar, forget, regret, okay, cat, idealist, forever, finger, obtain, would, you were here, Joan, take, marriage, surprise, war, hawks, keep, subjunctive, quirer, fulfillment, reply, must, three, sleep, present, travel, party, false, candle, nice, believe, granted, sing, help, what, wealth, repeat, school, give, health, house, materials, anything, poet, tale, dish, to, drumstick, women, dreaming, response, need, me, something, always, clear, promise, aim, love, sex, say, order, know, pray, comfort, turkey, try, movie, ideal, life
70	well		
60	think		
48	star(s)		
35	bone		
33	ring(s)		
14	wash		
12	thought		
10	money, true		
9	get, command		
8	for		
7	Christmas		
6	thinking, fairy, birthday		
5	make, wishbone, gift, you, will, car		

STIMULUS - 27. River

246	water	5	mountain, bridge, swift, ocean, long, winding, brook
211	stream	4	swim, rapid, tree(s), white, sea
105	lake	3	cold, wind, flowing, Styx, falls, dirty, road
86	Mississippi	2	slow, flood, Nile, St. Marie, black, brown, H ₂ O, pond, Jordan, green, hill, Minnesota, Ganges, large, wash
38	boat	1	Thomas, side, liver, grass, scenery, trout, Po, mud, flying, twist, muddy, garden, man, skate, drive, interesting, fare, dam, life, India, bad, rock, Des Moines, summer, swamp, valley, lazy, skating, sleep, dark, song, trail, woods, transportation, tile, swan, swimming, jump, abyss, town, torrent, land, gorge, old man, tight, Rio, row, mouth, was, marsh, Volga, Weser, old, narrow, boating, ground, cross, Souix St. Marie
29	deep		
16	wide		
14	flow, run		
12	creek, bed		
11	blue		
8	wet		
7	Red, fast, fish		
6	bank, ice, bend		

STIMULUS - 28. White

17	black	6	cloud, bear, rat, pure
136	snow	4	beautiful, sheet
39	dark	3	cloth, wash, sky, nurse, wedding, dress, cat
24	light	2	bright, gown, rain, horse, shirt, rose, cotton
23	house		
12	blue	1	crayon, brown, bells, spotless, milk, lace,
11	red		bird, scarf, cool, cliff, rabbit, Virgin Mary,
10	clean		river, wall, water, yellow, dog, ball, boy,
8	color		warm, bride, brilliant, green, coat, sacred,
7	Christmas		earth, no, dove, show, ambulance, slow, uniform,
			gray, bright, face, hair, gold,
			hack, glare, castle, skin, white, sands, chalk,
			hospital, paper, blanket, tie, marble, angel,
			straight, linen, blank

STIMULUS - 29. Beautiful

209	ugly	3	sweet, wonderful, hair, color, painting, tree, sky
144	pretty	2	tall, blonde, cute, dumb, view, beauty, house, horrible, exquisite, sunset, butterfly, song, Marilyn
142	girls		
106	woman	1	America, line, exciting, dark, car, white, scenic, attractive, acre, deer, gay, appearance, church, black, joy, hills, Shirl, plain, pink, country, delicate, summer, mirror, man, red, blue, garden, neat, art, person, ring, Mary Ann, sex, light, for spacious, Ester, dull, like, countryside, terrific, body, bountiful, handsome, pleasing, good looking, colorful, skin, awful, angelic, river, looks, star, girlfriend, fine, brown, face, door, dress, intelligent, see, moonlight, water, window, happy, dog, orderly, glass, lack, forests, schön, slick, doll, icicle, knockout, fair, eyes, actress, awful, desirable, morning, religion, sad, deep, spring, night, bird, Cinderella, object, heavens, enchanting, wish
67	homely		
45	lovely		
23	nice		
18	picture		
15	lady		
12	flowers		
10	mountain, snow		
7	Ohio		
6	music, scene, good, soft		
5	day, lake(s), scenery		
4	gorgeous, nature, dreamer, queen, landscape		

STIMULUS - 30. Window

191	door	11	ledge
171	glass	10	scene
126	pane	8	outside, chair
66	shade	7	sash, clear, frost
59	light	6	bay, snow
49	sill	5	air, high
33	see, house	4	picture, box, wash, room
28	open	3	opening, woman, transparent, screen, sight, tree(s), sun, wall, washer
23	look		
20	curtain		
12	frame, view		

STIMULUS - 30. Window (continued)

- 2 seat, shutter, dressing, street, porthole, hole, fenetre, home, dirty, space, flower
- 1 large, sky, dream, wind, landscape, mirror, cloud, curtail, scenery, bench, cleaner, storm, shop, bars, wiper, wood, vision, break, cold, nice, floor, peek, ~~mean~~, million, shelf, people, broken, ear, bright, rain, outdoors, buildings, shopping, peeper, shape, orphan, wide, world, cord, old, husband, rock

STIMULUS - 31. Rough

- | | | | |
|-----|--|---|---|
| 439 | smooth | 3 | skin, surface, even, golf, stone(s), edge, emery, street(s), field, hewn, brown |
| 69 | hard | | |
| 44 | road | 2 | cowboy, calm, football, heavy, feel, land, life, course, house, weak, easy, bark, light, bump, wool, gentle, nut(s), guy, citizen, ice, beard, stucco, uneven, time, bad, paper, cement, pebbles |
| 42 | tough | | |
| 38 | soft, sandpaper | | |
| 26 | hand(s) | 1 | log, tumble, cough, stuff, red, wind, hazy, steep, test, dirt, zoology, dog, difficult, iron, shod, file, it, character, handle, noise, wall, terrain, women, north woods, plow, whiskers, tweed, icy, row, sandy, painful, post, lumber, hilly, game, hills, stiff, sled, headache, finish, west, boy, criminal, sport, touch, math, CE 142, cold, waves, stick, heart, corduroy, enoot, rocky, callous, picture, riding, shallow, morning, bumpy, texture, chair, gang, cut, Superior Wisconsin, plowing, grass, unsmooth, ride, sewage, physics, strong, fought, table, saw, long, tender, chapped, sides, frog, going, fast, tangle, brush, scratch, nail, estranged, sailing |
| 18 | ready | | |
| 15 | coarse | | |
| 11 | wood | | |
| 10 | riders, rugged, sand | | |
| 7 | man, board(s) | | |
| 6 | sea, ground | | |
| 5 | gravel, sharp, water | | |
| 4 | jagged, dark, harsh, weather, mountain | | |

STIMULUS - 32. Citizen

- | | | | |
|-----|------------------------|---|---|
| 114 | U.S.(A.) | 4 | city, patriotic, public, town, ship, John Doe, comrade, nation, aid |
| 112 | man | | |
| 105 | person | 3 | community, democracy, world, individual, loyal, upstanding, duty, friend, yes, rights, Russia, president, native |
| 92 | American | | |
| 87 | country | | |
| 79 | alien | 2 | convict, plebian, slave, not, myself, criminal, non-citizen, fellow, traitor, paper, free, solid, committee, army, French, Ike, voting, pol.sci., Roman, enemy, building, bad, mayor |
| 39 | people | | |
| 35 | state | | |
| 22 | vote(s) | 1 | resident, guilt, patriotism, communist, court, patrician, privilege, courthouse, inhabitants, back, politics, exile, freedom, bold, human, history, bank, teacher, neighbor, official, red, mercenary, social contract, Minneapolis, Greece, displaced person, spy, peasant, constitution, boy, partiant, king, council, taxpayer, leg. Jones, heel, staunch, tired, mean, navy, flea, judge, bourgeois, united, mister, police, belong, citizen, revolution, take, proud |
| 15 | me, patriot | | |
| 13 | flag | | |
| 12 | voter | | |
| 11 | foreigner, government | | |
| 10 | America | | |
| 9 | Paine, France | | |
| 7 | foreign, good | | |
| 6 | Kane, immigrant | | |
| 5 | Genet, soldier, member | | |

STIMULUS - 32. Citizen (continued)

1 naturalisation, club, panic, number, big wheel, natural, sucker

STIMULUS - 33. Foot

232	shoe(s)	4	head, 12 inches, hurt
198	nand	3	finger(s), kick, step, slipper, sleep, body
191	toe(s)	2	pad, stool, wear, bed, ruler, ache, small,
118	leg		ped, pound, note, big, walking
26	soldier	1	rat, horseback, snow, football, person, knee,
23	feet, ball		physias, dog, hander, mule, wall, skin, rest,
14	walk		galosh, wash, hat, bone, lye soap, broke, ski
13	ankle		boots, pedal, cement, doctor, fly, sidewalk,
10	arm		essential, end, sole, bath, limb, nail, brake,
9	score		distance, smell, print, hang, measure, stand,
8	inch(es)		club, appendage, slow, web, large, band, cold,
7	boot		rabbit, shoulder, stocking, spider, operation,
6	yard		asleep, stub, mark, powder, below, ground,
5	sock(s), mouth		movement, length, frozen, ungainly, traveler,
			athlete, afoot

STIMULUS - 34. Spider

454	web	3	ish, widow, fright, arachnoid, net, dog, eight(8)
152	insect	2	wall, Tarantula, dark, crawling, run, zoology,
97	bug(s)		(Miss) Miffet, creepy, icky, snake, horrid,
50	leg(s)		scared, cobwebs, bird, poisonous
37	fly	1	mouse, mites, small, feelers, interesting,
34	black		Lady Bug, insect, beetle, shiver, cockroach,
18	crawl		orthoptera, alarm, avoid, gray, spiderweb, cat,
16	animal		corner, distaste, spinning, ugly, morbid, awful,
12	ant		horrible, rat, claw, boy, jump, fur, scream,
9	Black Widow		unbeneficial, pan, room, evil, bare, furry,
6	fear, poison		unpleasant, squirm, chills, sit, life science,
5	afraid, worm		arm, shape, thin, man
4	bite, spin, ugly		

STIMULUS - 35. Needle

464	thread	3	yarn, stick, shot(s), long, hurt, string,
140	pin(s)		injection, hay
72	eye	2	stack, art, embroidery, tree, pine, knitting,
64	sew		spool, tailor
55	sharp	1	record, needle, threat, foot, spin, magnet,
44	haystack		nose, craft, blood, hot, valve, button, barb,
27	point		dragon fly, hypo, me, pinetree, stab, jab, soap,
22	prick		machine, phonograph, pierces, use, thin, shall,
18	sewing		metal, sewing machine, head, knit, instrument,
5	pain		narrow, cracked, finger, plasma, addict, sliver
4	steel, cloth, thimble, hole, doctor		

STIMULUS - 36. Red

221	white	5	apple, bull, dress
196	blue	4	warm, commie, dark, head
124	black	3	cap, hat, paint, spy, sea, danger, sweater, house, China
93	green	2	cape, underwear, sunset, mad, ball, star, dog, pink, tape, anger, crayon, eye(s), paper, sails, shirt
46	color	1	rage, heat, sign, incorrect, face, purple, hurt, communism, ink, brilliant, jacket, sun, beautiful, handkerchief, wagon, vibrant, beard, Christmas, blanket, string, orange, lipstick, stoplight, sheep, feather, heifer, left, sharp, exciting, pen, carpet, flame, hood, nose, USSR, dept., hue, deep, cow, bee, slive, heart, girl, skirt, school, barn, flier, shy, velvet, Indians, painting, wine, clothes, nose, lips
29	blood		
23	communist		
19	yellow		
17	flag		
15	bright		
10	light		
9	hot		
8	hair, shoes, stop		
7	Russian, river, cloth		
0	Russia, coat, fire		

STIMULUS - 37. Sleep

236	bed	3	dark, lay, eyes, long, quiet, insomnia, drowse, relax
110	rest	2	classes, morning, slept, sick, health, die, peaceful, more, walker, study, baby, anger, down, girl, mutton
100	awake	1	now, black, hunger, dog, haven't, sheets, in, resting, stop, recline, out, home, bear, closed, yawn, nod, bliss, sleepy, need, happy, wakefulness, lots, talk, little, mattress, wake up, grass, lounge, eye-lids, me, pills, late, dead, more off, pleasure, work, pill, hard, No-Doz, block, til-noon, ease, best, nothing, light, nap, drowsy, hours, wool, stand, child, don't, window, rise, soundly, stop, satisfy, enjoy, silent, blanket, covers, tire, nod
90	tired		
81	dream		
48	wake		
44	night		
22	eat, comfort		
21	sound		
19	slumber		
17	snore		
11	pillow, deep		
8	good, soft		
6	awaken, walk		
5	well, peace, nice		
4	drink, tight, doze		

STIMULUS - 36. Anger

353	mad	6	joy, mean, fury, frustration
83	fear	5	friendly
62	hate	4	sorrow, shout, person, emotion, sad, bad, hot, boy,
49	rage	3	laugh, madness, calmness, hat, dislike, yell, tears, eyes, kind
35	temper	2	swear, pain, soft, teeth, noise, frown, hard, me, pleasure, jealousy, cross, frustrated, afraid, harsh, fire, hunger, peace, loud, strike, hope, psychology, fool, cry, heat, life, violence, voice
28	red	1	furious, women, stubborn, terror, want, torment, mood, regret, tense, fit, placid, adrenalin, rest, headache, danger, divorce, foolish, still, get, delight, fierce, happiness, clamor, blush, pleasing, pleasant, nasty, high blood pressure, charity, fearful, rashness, gentle, friend,
21	ire, wrath		
20	happy,		
19	fight		
13	hatred		
12	man		
11	fright		
10	calm		
8	hit, love		
7	hurt, disgust		

STIMULUS - 38. Anger (continued)

1 knife, black, face, resentment, bitter, will, scream, like, pride, kids, insult, sweat, anger, burn, jump, severe, irate, uncomfort, malice, sound, excitement, mother, sore, smile, sadness, grief, scorn, baby, yell, sweetness, confusion, disturbance, stomach, growl, dog, crazy, parents, blocked, cool, tranquility, annoyed, teacher, threat, joyful, thirst, desire, Helen, patience, soothe, surprise, pout, irritability, set, sullen, deep, solitude, upset, rouse, unpleasant, laughter, fist, cruel, tired, gutburst, disturb, mildness, worry, contempt

STIMULUS - 39. Carpet

460	rug	5	deep, magic, wool, blue
165	flooc	4	living room, beetle, plush, color
82	soft	3	comfort, smooth, mat
27	red	2	mohawk, table, weave, Persian, warm, black, slipper, clean, hall, vacuum, feet(foot), grey, rough, cloth
21	sweeper	1	sit, slip, new, cleaner, maroon, mop, door, beater, lecture, rich, scold, brad, nap, nail, topaz, cover, broom, dean, spring, lounge, none, lay, rag, long, shoe, wine, caps, flew, dirt, role, flat, white, pretty, flowers, wet, pillow, covering, knee, velvct, depth, Bagdad, army, use, washer, called, blanket, nice, flying, dad, furniture, weaving, brought, design
20	tack		
17	walk		
16	bag		
11	room		
10	house, bagger		
9	green		
8	chair, thick, sweep		
6	home		

STIMULUS - 40. Girl

704	boy	2	dance, Mary, party, Joan, laugh, Shirley, guide, house, curls, high school, bed, pigtaills, she, we, car, child, fine
49	woman		
18	friend		
17	young		
14	dress		
13	pretty		
11	hair, nice		
10	man		
7	beautiful		
6	scout, cute, school, date		
5	female		
4	lady, sex, good, love		
3	hat, girl, student		

STIMULUS - 41. High

675	low	5	drunk, hill, heels
49	school	4	wide, top
32	mountain	3	wire, down, long, horse, bridge, height, moon, shoes, clouds, place, fence, steep
18	up	2	fall, short, dry, way, wind, liquor, ceiling, wall, dizzy, perch, plane, airplanes
17	chair, tall	1	Scotland, lights, table, giant, deep, music, mighty, huge, climb, dive, fun, tall building, scaffold, water, sick, lofty, score, ball, ambitions, beyond, stepladder, note, peak, big, broad, board, kite, room, round, eight, river, ride, beer, Foshay tower, mark, white, small, diving, diving board, window washer, toll, fly, steeple, space, strong, bar, high chair
13	tower		
11	jump		
10	ladder		
8	noon, building		
7	above, cliff		
6	sky		

STIMULUS - 42. Working

132	herd	4	girl, hours, sweating, slow, people, late, wages, relaxing, eating, slaving, hospital, laboring
99	loafing	3	fatigue, sitting, leisure, typing, toil, no, earning, out, tools, shovel, office, class, summer
79	sleeping	2	stopping, day, relax, boredom, vacation, haul, effort, studies, railroad, rough
65	playing	1	Dayton's, helping, shop, bad, book, conditions
48	man		
45	money		
42	resting, labor		
40	lazy		
29	job		
28	tired		
18	hours		
13	rest		
11	fast		
9	busy, school		
8	pay, play		
7	sleep, doing, loaf, studying		
6	sweat		
5	store, fun, work, idle, time		
		4	hand, father, Jim, dislike, payday, trouble, nix, help, carpenter, moving, hay, brand, tail, perspiration, dough, machines, table, plugging, if, drudgery, mop, telephone, truck, gravel, sick, east, bench, move, slave, sit, do, had, monotonous, mine, hurry, lend, progress, parking lot, clerk, stop, steady, La Belle, axe, digging, shorthand, problem, too much, boss, music, crew, factory, exercise, nights, action, tough, dogs, reactor, cold, lax, laborers, ish, skilled, non-employed, production, law, Sears, straining, house, sledge hammer, occupation, desk, thinking, powers, roof, bricklayer, drawing, good, part-time, singing, flour, bank, waste, quiet, shift, cafeteria, not, shoes, drugstore, run, unemployed, baracade, saw, task, making, soft, living, sewer, talking, diligently, women, walking, streetcar, shoveling, college, with

STIMULUS - 43. Sour

568	sweet	6	bad
91	grapee	5	fruit, grapefruit, mash
63	lemon	4	puss, whiskey
60	bitter	3	buttermilk
40	milk	2	tert, acid, sauerkraut, soup, pucker
24	taste	1	neighbor, cheese, wine, green apple, sleep, alum, dish, stale, sugar, can, distaste, good, plum, hurt, awry, orange, bad taste, chocolate milk
22	cream		
21	dough		
18	apples		
14	pickie		
12	vinegar		
			soured, tongue, lunch, juice, dry, food, spit, disagreeable, high, mix, earth, gin, bread, pop, spoiled, pie

STIMULUS - 44. Earth

130	round	4	big, good, life, people
118	dirt	3	brown, clay, tremor, sod, red, crust, sand, geology, stone
108	ground		
79	moon	2	plants, Venus, U.S., war, sail, ball, salt, terra, pearl, green, hill, space, cold, tumble, mover, hole, plow, grass, sea, trouble, blue, home, warm
62	sky		
60	world		
36	land		
35	planet	1	Columbus, mass, deep, loam, strength, field, depth, physics, hand, immense, steam shovel, dry, germs, astronomy, move, countries, Jupiter, food, grain, rotation, science, dirty, work, live, foundation, Pearl Buck, soiled, rocket, farm, body, wander, sad, spin, mine, smell, solar, store, God, rich, mother, crusher, crops, gravity, hemisphere, gravel, fire, rock, revolving, solar system, rotate, wet, nice, atmosphere, north, below, dark, low, mountainous, equator, shake, garden, molten, ocean, metals, geography, white, earth, misery, sound, bound
33	soil		
28	sun		
26	globe, heaven		
22	worm		
16	Mars		
14	universe		
7	black, hard, man		
6	star		
5	water, mud, sphere, tremble, quake, air		

STIMULUS - 45. Trouble

39	bad	4	comfort, ill, law, hate, unhappy, people, work, smooth, some, unhappiness, wrong, bother, world, error
49	shooter		
45	worry(ies)	3	sin, me, care, hardship, scared, sick, time, ail, mad, pleasant, court, solution, bothered, toil, confusion, unpleasant, girl(s), misfortune, woe
41	danger		
32	sorrow	2	nerves, concern, turmoil, peaceful, children, tough, joy, gun, crying, enemies, good, water, cause, mischief, rough, with, punishment, O.K., mistake, brewing, illness, black, angry, now, psychology, safe, tail, pleasure, trial
26	fear		
24	school		
23	problem	1	worth, complex, neat, many, sweat, dutch, cry, headache, luck, dislike, arrest, study, in, much, worried, forget, marry, sleep, calm, kind, aid, Mr. Bengston, excited, horror, need, exams, blues, basketball, innocent, free, involved, soft, quarrel, travail, alley, gripe, distress, Russia, frustrate, scold, web, brig, theft, God, crook, mine, relatives, class, soldier, murder, content, muddle, witch, aggravation, streetcars, rest, discouragement, necessary, crash, distant, guest, freedom, conscience, frown, non-trouble, hard times, disgust, gasp, party, dick, death, Janet, safety, counsel, annoy, conflicts, air, teacher, delinquent, business, flunk, terror, U. of M., brother, negro, food, disturb, me, test, discontent, dark, trick, despair, sinister, seen, irk, sound, helpless, discomfort, home, criminal, Madame Butterfly, do, strife, Korea, kids, uneasy, weak, crime, ticket, disturbed, car, shoot, more, land, troubles, ahead, father, Bob, spot, harmony, sorry, disease, fine, evil, fix, family, teeth, kill, yes, come, worried, nothing
20	police		
19	fight, sad		
18	happy		
17	difficulty(ies)		
16	space		
15	hard		
14	help, maker		
12	jail, anger		
10	man(en), pain		
9	double, ease, war, bubble, cop(s)		
8	woman(en), anxiety, easy, fun		
7	sadness, grief		
6	miss, boy, car, happy, sickness, accident		
5	disaster, money, mess		

STIMULUS - 45. Trouble (continued)

1 Jerry, S.A.B., night, scrap, avoid, jam, starter, spinster, punish, argue, hurt, comfort, econ., uneasyness, hope, eat, some, slow, word, trying, beef, quiet, run, no, face

STIMULUS - 46. Soldier

187	army	4	captain, rifle, brother, field, infantry, military, service, ROTC
182	sailor	3	friend, officer, shoot, warrior, khaki, Ike, marching, me, marine, private
101	man(e)	2	helmet, tin, carbine, weapon, air force, cross, command, wac, death, (h)gah, citizen, airman, good, brave, straight
87	war	1	woman, leave, peace, pony, discipline, person, Hank, nurse, future, snare, sucker, dummy, put, hero, sergeant, suit, policeman, "loogie", fire, statesman, Napoleon, gay, woody, fighting, halt, excitement, guard, shoe, peon. guy, U.S.A., sing, orders, steel, German, away, hurt, airdale, John, open, medal, country, trap, care, discharge, scar, chocolate, fool, major, O.K., walking, tan, combat, two years, grey, doggie, jerk, wife, enlistment, battle, where, murderer, head, dirty, cute, strong, fortune, general, arms, three, walk, brass, nuts, slave, rank, patrol, jed, courage, salute, armed, olive drab
86	gun		
56	uniform		
40	fight		
23	boy		
17	Korea		
12	march		
9	foot, civilian		
8	G.I.		
5	draft, fighter, navy		

STIMULUS - 47. Cabbage

165	head	9	ham
149	lettuce	7	king, fruit
139	vegetable	6	rabbit
80	food	5	cook(ed), field
54	salad	4	cole slaw, sour, eating, round, can
51	eat	3	kraut, vinegar, worm, odor, stew, garbage
47	green	2	boil, raw, spinach, waste, beet, meat, good
34	garden	1	heat, sauce, dinner, bad, celery, beans, boiled, hard, lousy, jiggs, skunk, insect, ugh, burn, red, cream, crisp, vegetable soup, ish, dorm, steps, pigs feet, apple, chew, stink, cauliflower, nasty, spareribs, taste, root, money, weiners, terrible, rhubarb, rutabaga, corn, man, butterfly, cheese, distaste, grape, broccoli, hay, pail, bundle, kitchen, dressing, bag, horrible
27	leaf		
22	sauerkraut		
19	smell		
16	slaw		
15	patch		
14	plant		
11	carrots		
10	corned beef, soup		

STIMULUS - 48. Hard

674	soft	16	work	9	nail
48	rock	13	head	7	ice, tough, table
24	easy	12	stone, smooth	6	floor, ground
23	egg	11	steel	5	difficult, metal
19	boiled	10	wood		

STIMULUS - 48. Hard (continued)

3 rough, tack, solid, brittle, light, candy, bed, diamond, man, surface
 2 board, pencil, shell, luck, ball, top, knock, hand, iron
 1 hunt, box, school, cash, salt, hit, point, set, get, cold, money, brick,
 cement, shiny, block, effort, secure, pool ball, sidewalk, hammer, feel,
 bread, firm, liquor, peanuts, compact, apple, touch, knife, glass,
 lumpy, desk, adamant, breaks, angry, leather, sauce, hurt, rubber,
 headed, stiff, larl, way, auto, lead, soon.

STIMULUS - 49. Eagle

550	bird	4	dollar, gold, air
72	fly	3	lion, sparrow, colonel, army
34	scout	2	wren, spread, liberty, robin, majestic, birch, rock, free, country, double, vulture, large, animal, power
28	wings		
23	nest		
16	bald, America	1	cyrie, uniform, fish, squadron, \$10, brush, owl, parrot, big, soaring, globe, tear, egg, noble, bend, Bernie Dawman, gray, monarch, craig, victory, football, trees, strength, bugle, banner, summit, neat, chicken, north woods, erne, pencil, colored, duke, beaver, cliff, head, indian, temple, falcon, patriotism, a, quarter, mighty, switch, dive, buzzard, freedom, might, sharp, polka, stop, point, sharpness, golden, screech, field, talon, keen
14	U.S.		
13	symbol		
12	flag, beak		
11	sky, hawk		
10	high		
9	scar, feathers, flight		
8	emblem, flying		
7	eye		
6	coin, claw, money		
5	mountain		

STIMULUS - 50. Stomach

211	food	5	liver, muscle, head, mouth
210	ache	4	sour
86	eat	3	soft, juices, gastric, inside, sore, zoology, person
69	intestine		
47	ulcer	2	sickness, sack, appendix, man, health, anatomy, viscera, ill, indigestion, round, kidney, hit, digest, growls, gas
42	hungry		
28	body		
23	organ	1	green and white, ulster, lunch, satisfied, throat, vomit, film, churning, gastric juice, science, lung, cast iron, me, butterflies, HCl, cavity, saliva, cramp, gastro-vascular, nerves, throw-up, peptic, smooth, fat, ear, feed, low, disorder, grind, esophagus, orange, worm, bear, cancer, burp, pylorus, pot, turn, diaphragm, hand, fill, duodenum, large, leg, part, want, middle, physiology
20	pains		
18	hunger		
13	belly, pump, full		
11	digestion		
10	trouble, gut, sick		
8	eating, hurt		
7	abdomen, empty, flu, heart, upset		

STIMULUS - 51. Stem:

402	flower	4	stalk, fruit, bulb
224	plant	3	twig, stem, from, petal
125	leaf(ves)	2	core, response, long, brain, bird, leg, tide, water, tulip, words, limb, watch
47	root		
27	tree	1	thread, come, asparagus, blossom, cherry, pear, blade, flow, wind, hay, pistol, flat, base, NR, rhubarb, start, bowl, bottom, handle, vapor,
16	branch		
12	stern, pipe		
11	rose, lamp		
3	apple		
7	glass, bud, trunk		
6	green		

STIMULUS - 52. Lamp

633	light	5	bright, read, chair, lighter
125	shade	4	on
62	table	3	stand, bed, dark, burn
35	bulb	2	base, Aladdin, oil, see, glow, lamp, study, stem, chimney
25	post		
12	black	1	house, cottage, living room, stove, filament, wick, shelf, card, globe, boy, pretty, chop, animal, ugly, warm, window, power, poster, port, modern, worm, vase, broken, kerosene, tight, sun, sheep, limp, lathe, metal, electric, door, stool, glaze, pump, white, rug, electricity, odd
8	floor		
7	desk, cord		

STIMULUS - 53. Dream

453	sleep	5	conscious(unconscious), soft
89	night	4	world, pillow, story, pleasant
50	nightmare	3	true, man, rest, funny, picture, house, daze, NR, time
35	wish		
31	girl	2	reality, happy, boy, see, sleeping, morning, color, desire, comfort, dark, delight, real, wander, now, dreamer, hazy, sex
25	day		
22	bed		
17	boat	1	slept, child, image, people, snakes, mind, blue, boy, pit, float, last nite, nest, trip, intense, come, peace, mediate, idea, walking, you, read, queer, subconscious, Bing Crosby, fear, Rick, concerts, ugly, about, expression, gaze, plan, adventure, ecstasy, nope, light, asleep, Marilyn Monroe, night-time, memory, symbol, have, Bill, dream, lazy, auto, slow, beauty, confession, avid, when, white, car, content, best, playing, tired, forget, yellow, scream, drifting, psych., illusion, Roger, pleasure, love, land, figure, always, scene, imagine, Darlene, analyze, of
15	good		
14	think		
13	awake		
10	vision		
9	clouds		
8	daydream, nice, sweet		
7	fantasy, wet, bad, thought		
6	Freud, wake		

STIMULUS - 54. Yellow

156	blue	6	corn, lemon, butterfly, dog, banana
115	red	5	sea, river, car, chicken
106	color	4	caution, jacket, pretty
89	green	3	room, pink, sweater, bed, rose, jaundice,
73	black		Jap, Chinese.
29	flower, brown, white	2	bellied, purple, sunflower, picture, bee, sky, fellow, kitchen, wall, daffodil, soft, afraid, spread, daisy, man, shirt, belly, convertible
24	orange, bright		
21	butter	1	carrot, cold, paint, mine, sign, seeds, race, fruit, dye, board, leave, crayon, cloth, eyes, scared, stoplights, fly, doll,
17	sun, coward		
15	birds		
12	gold		
11	cab, light		
10	canary		
9	hair, fever		
8	ribbon		
7	dress		

STIMULUS - 55. Bread

6 10	butter	6	knife, wine, crust, slice, rolls
94	food	7	leaf
76	eat	4	cake, wheat, toast, sandwich
29	water	3	box, rye, basket, hunger, board, yeast, soft, starch, brown, good
15	white		
14	milk, jam	2	fresh, stale, hungry, meat, dark, fruit, hard, line, rise
11	flour	1	gray, moist, wrappers, home, pork, Greek, plate, course, homemade, rice, stomach, staff of life, raisin, carbohydrate, juice, penicillin, muffin, cutter, cut, lunch, crumb, sunflower, texture, tasty, pan, dry, Master, salami, bun, staff
9	jelly		
7	dough		

STIMULUS - 56. Justice

250	peace	3	statue, honor, none, duty, black, mercy, cops, Holmes
182	law		
163	courts	2	balance, lack, America, democracy, equal, Plato, unfair, robe(s), triumphs, punishment, honesty, Supreme Court, power, fairness, righteous.
102	judge(s)		
38	injustice		
33	right		
12	liberty, good	1	fruit, guilty, peach, U.S., Aristotle, deceit, land, prevails, legislative, now, person, true, F.B.I., unjust, illegal, just, office, jail, essential, impartial, order, chief, rule, war, marshall, criminal, of, graft, command, suspect, city, to be done, chos choo, irony, die, uncle, Galsworthy, unknown, maljustice, stern, done, clear, grace, word, day, slow, light, due, judiciary, preacher, legislation, love, cruelty, desire, goodness, prison, grape, hope, marriage, boy, worthy, fear, woman, football, Jean Valjean
9	truth, government, jury		
8	blind, fair		
7	man, supreme		
5	of-the-peace, crime, trial, department		
4	equality, police, freedom, scale(s), evil		

STIMULUS - 57. Boy

768	girl	3	rough, blue, son
41	man	2	toys, sex, barefoot, boy, gal, bad, wagon, youth,
37	scout		
10	dog	1	corduroy, dirty, hair, Jr., Winslow, father, dirt, naughty, love, brat, crewcut, nephew, sign, clothes, pep, oh boy, ball, outside, stone, cap, bat, ball, trousers, fun, O, trouble, date, hit, playing, sports, fight, nappy, blonde, kite, young man, Brian, football, short pants, eager, gargon, hunt, carving, cott, pal, soldier, son, curly, ship, mischief, sir, pants, person, he, stop, Roger, brown,
8	olay, small, friend, young		
7	brother, little, child		
6	school		
5	lad		
4	fish(), male		

STIMULUS - 58. Light

647	dark	3	shade(s), red, brightness, yellow, heaven, color, weight
78	lamp	2	shadow, street, health, green, hair, electric, blue, morning, match, clear
30	bright		
25	sun	1	look, shine, high, out, glass, electricity, awaken, star, sky, cheery, read, warm, sunshine, spot, club, feather, object, brown, electric bulb, hand, Edison, sound, hard, study, dark or heavy, waves, apple, path, air, luminous, beam, time, post, fair, flame, lamb, eyes, dirt, easy, creamy, hurts eyes, love, world, lift, desert, snow, lightning, year, truth, ceiling, boat, daytime, earth, beach, glow, head
23	bulb		
16	heavy, day		
14	house		
11	see		
10	window		
5	switch, soft, candle, black, heat, darkness, white		
4	night		

STIMULUS - 59. Health

250	sickness	4	center, pain, robust
160	sick	3	boy, energy, clinic, athlete, life, fine, comfort, red, fun
80	good	2	blean, healthy, light, condition, building, book, class, sports, well being, eat, physical, public, strength, safety, department, medicine, teeth, pills, vitamins, insurance, school, milk, unhealthy, play
75	happiness		
42	wealth	1	young, PH-3, thermometer, hope, bureau, harmony, home, feel good, smile, apples, rosy, me, active, purity, youth, nurse, eager, good food, state, salud, nutrition, resort, certificate, myself, can I walk, welfare, Y.M.C.A., death, ruddy, swim, good natured, gift, smallpox, first aid, people, poor, drink, warn, public health, person, anxious, Boy Scout, radiance, standard, man, love, aspirin, green, son, 4-H, accidental, blood, I-A, 1st, mother, girl, heart, enjoyment, joy, hygiene, lively, humor, personal, trouble, feeling, weight lifting, good care, able, form, us, fit, exercise, window
36	happy		
34	well		
33	ill		
29	illness		
27	doctor		
19	service		
14	strong		
12	food		
11	hospital		
10	disease		
7	body		
5	vigor		

STIMULUS - 60, Bible

236	God	4	testament, history, school, life, home, verse(s)
205	book	3	word, Lord
125	church	2	pray, salvation, love, Korean, Joseph, Psalms, right, true, "salm"
100	religion	1	bah!, ancient, gospel, English, minister, me, scripture, religious, passage, preacher
56	story(ies)		Christianity, heaven, stible, Christ, cloud,
50	holy		revised, pulpit, shmbile, Christian, memory,
39	read		fiction, necessary, leather, reap, newspaper,
22	Jesus		great, class, lessons, joy, Jesus Christ, teach,
14	good		red, sermon, fantasy, tale, pages, Luke, bad,
11	Christ		why, fool, ethic, law, heavy, peace, table,
10	truth		journey, pure, goodness, girl, false,
8	study		cross, saints, great, God's word
7	Moses, black		
6	faith, prayer		
5	reading		

STIMULUS - 61, Memory

119	mind	9	forgetfulness, book(s)
99	remember	8	work
80	forget	7	loss
58	think	6	short, blank
41	thought(s)	5	lost, word(s), intelligence, verse
35	psychology	4	retain, read, long, know, pleasant, youth, happy
32	recall	3	sad, wish, memorize, yesterday, poem, quiz, span, idea, pleasure, remind, love, none, forget, amnesia, reminiscing, lapse
25	good	2	remembering, language, stimulus, memory, sharp, time, vision, life, elephant, poetry, objects, gone, nothing, imagination, childhood
22	dream	1	church, no good, verbal, problems, dates, lesson, forgotten, events, I.Q., class, black, land, father, text, recalling, remembrance, man, yes, retaining, of, deep, mom, behind, age, wow, hotel, hard, temporal lobe, nostalgia, plan, fly paper, absent minded, recollect, false, use, lacking, songs, mist, recognize, drudgery, fair, strong, photographic, car, knowledge, Joe, try, things, lake, experience, vivid, joke, heart, train, armory, traces, friends, response, help, lasting, urge, story, recognition, sweet, hear, tester, seem, east, learning, head, see, ship, education, hunger, girl, O.K., listen, daydream, paper, alert, numbers, sins, grandmother, retentive, system, events, serve, understanding, home,
19	learn(ed)		
18	test, learning		
16	past, poor, image		
15	bad, retention, brain		
14	sleep		
13	thinking, lane		
11	forgetting		
10	study		

STIMULUS - 62. Sheep

201	wool	4	grass, shear, lamp
198	lamb	3	horse, follow, shorn, soft, woolly, eat, meadow, fleece, fold, fur, food, ranch
75	animal	2	hair, lanolin, graze, people, bulle, skin, sisfi, calves, wolf, boy, stray
66	watton	1	God's people, money, good, group, house, bleat, meek, mutton, legs, bells, beard, run, call, peace, farmer, creep, countryside, block, wander, hand cream, red, fuzzy, pasture, foot, sacrifice, Montana, Christmas, fat, sow, ram, jumping, prairie, grazing, style,
64	goats		
41	dog		
39	herd		
25	black		
18	pasture		
17	shepherd, cows		
15	cattle, bas		
14	sleep, farm, count(ing)		Bible, poems, oxen, wood, deep, bed,
10	flock		peep, clothes, glass, cloth, hungry, wake, hoof, mouse, shearing, jump, country
9	white		
7	fence		
6	herder, ewe		
5	field, dip, meat,		

STIMULUS - 63. Bath

314	clean	5	salts, cold
220	water	4	wet, bathtub, bubble, bathe
102	soap	3	swim, Saturday, relax, England
98	tub	2	take, sleep, oil
42	wash	1	steam, cleanness, smell, today, girl, drink, Maine, mat, Feb, basketball, Shakespeare, suds, soothing, scrub, dress, sponge, spa, draw, comfort, filth, toilet, health, refresh, naked, soft, hah, scum, dart, ish, scrub, washing, lake, use, bed, nice, batholith, hygiene, boy, home, powder, cleanse, knight, town, bird
38	shower		
23	dirty		
14	dirt, warm, cleanliness		
13	house		
10	hot		
9	towel, room		

STIMULUS - 64. Cottage

298	house	4	trees, marriage, yard, grove, stones, fun, window, roof
138	lake	3	honeymoon, seashore, swim, sea, room, shutters, cute, nice, shore, boat, peace
111	cheese	2	garden, abode, farm, Cape Cod, fishing, hill, love, live, two, for two, inn, cot, rest, log, green shutters, green
97	home	1	line, chimney, porch, contentment, grill, secluded, waterfall, book, homey, hearth, white fence, peacefulness, serenity, building, path, spa, Hasslen's, summer home, beach, hoses, river, neat, comfort, dwelling, field, landscape, beer, lea, pretty, cream, village, lamp, mountain, cottage for sale, comfortable, lane, take, dog, sale, Winchell, camp, house-lake, convenient, clean, shingle, place, fireplace, hillside, sleep, mansion, warm, housing, rail, woman, happy, scene, bed, stream, salad, little, clean, thatched, forest
33	white		
32	cabin		
27	small		
18	door		
16	fence		
14	vines		
12	country		
11	woods		
10	ivy		
9	summer		
7	roses		
6	flowers, hut, cozy		
5	vacation		

STIMULUS - 65. Swift

369	fast	5	running, Gulliver's Travels, horse(s), wind, flight, author, company
238	slow	4	arrow, Tom, Armour, shortning, book
33	river	3	chimney, cheese, speed, rush, airplane.
32	meat	3	runner, eagle, swallow
27	Jonathan	2	Oliver, sudden, packing co., county, poet, food,
21	current	2	blue, dog, kick, silent, mercury, creek,
19	bird	2	streaks, soeedy, race
13	rapid(s), bacon	1	lightning, Charles, travel, block, work, wren,
12	water, stream	1	David, John, Grasso, meat packing, food company,
11	quick	1	calm, indian, writing, 220 R. etc., butter, tide,
10	Gulliver	1	premium, strong. rifle, cream, mighty, go, cold,
8	run, sure, ham	1	smooth, slick, novel, cattle, hawk, products,
7	deer	1	feet, flowing, fire, true, sad, greyhound,
6	car, lard	1	track, pleasant, thrust, family, clear, hurry, train, north, quickly, blow

STIMULUS - 66. Blue

175	sky	5	coat, Dumbo, orange, ear
160	red	4	cool, navy, ocean, baby, sea, pretty, eyes, light, river, sad
125	green	3	berries, cloth, sweater, lake, book, mood, purple
65	color	2	eagle, true, ribbon, soft, day, cheese, uniform, song, Air Force, azure, room
56	yellow	2	gown, blue, stone, mold, ink, best, ugly,
49	black	1	limpid, sore, clouds, emotion, pie, low, tin roof, truth, ski, flower, bunny, Hungarian, angel, house, suit, nice, beauty, bonnet, sport coat, brown, clothes, bad, strip, fish, horizon, lightening, haze, tri, horn, red, white &, bull, music, blood, boat, hope, washing, bark, wide, Monday, lonely, tango, prelude, tan, beetle, light blue, soldier, virgin, south
44	white	1	
36	water	1	
28	gray	1	
20	boy	1	
14	bird, dress	1	
9	pink	1	
8	gold	1	
7	night, moon	1	
6	flag, earth, dark, heaven, cold	1	

STIMULUS - 67. Hungry

362	food	4	sleepy, empty, yes, bread, person, animal, feed, pangs, now, steak
174	eat	3	country, mouth, cat, starve, fast, hungry, sad, famished, satisfied
69	thirsty	3	
57	full	2	ache, turkey, foot, satiated, fed, bear, sick, Europe, angry, Greeca
29	starved, stomach	2	
25	tired	1	swallow, avid, DP, meat, ate, state, stimulus, pigs, old, knowing, graveling ingot, court, hurt, strictly, wolf, china, child, like, lips, feeling, hamburger, bird, desire, meal time, taste, all, peasants, table, rat, ravenous, mad, baby, misery, searching, tramps, priest, beer, unhappiness, 5,000, orphan, unpleasant, sister, Koreans, discomfort, thin, feast, need, real, never, green, bad, goat, pie, heart, frustration, exile, well-fed, Jack, hash, eyes, want, bed, content, not now, sails, ham
21	dog	1	
11	pain	1	
10	man	1	
8	eating, me	1	
6	people, beast, cold, starving, boy	1	
5	lunch, horse, dinner, appetite	1	

STIMULUS - 68. Priest

328	church	5	collar, pray
189	Catholic	4	bishop, priestess, preacher
80	religion	3	preach, prayer, altar, clergy, white, mass, hood
66	minister	2	religious, saint, peace, pope, doctor, high, Christ, pulpit, queer, Catholicism, Roman, cassock, teacher,
43	man	1	sleep, confession, surplice, honor, garb, think, friar, sir, person, pagan, rest, gather, marry, parish, love, official, temple, St. Thomas, fish, book, faith, beads, celibacy, understanding, prophet, flock, Catholic Church, fraud, pure, Rev., fook, Sunday, damn, potentate, solemn, song, Inca, jerk, cloak, another, sacraments, no good, oxygen, helper, single, prelate, serve, house, parson, deacon, child, convent, scientist, devil, vatican, byde, confessor, pious
41	father		
25	black		
23	God		
17	robe		
14	pastor		
12	man		
11	holy		
10	good, rabbi		
8	Bible		

STIMULUS - 69. Ocean

314	water	4	land, large, rough, depth, fish, spray, vast
233	sea	3	voyage
111	blue	2	travel, huge, roar, cold, wind, salty, H ₂ O, Indian, distance, tide, foam, swim, sail, sky
48	waves, deep	1	cape, rear, ice, red, trip, side, beach, dark, going, vessel, white caps, perch, salt water, whiskey, baby, white, Black Sea, fog, steamer, west, tub, shore, shell, bed, coast, seasick, beauty, Calif, breeze, motion, top, roll, living, drown, earth, navy, France, gulls, deeds, pond
28	Atlantic		
20	ship		
15	lake, Pacific, wide		
11	big		
9	river		
8	boat		
7	wet, salt		
6	green, floor		
5	liner		

STIMULUS - 70. Head

129	hair	11	toilet, lettuce
126	foot	10	person
68	shoulders	8	high
58	neck	7	round, strong, mind
56	body	5	cold, nose
34	hat	4	scari, can, cheese, start, beer
33	eyes	3	mouth, ear, soft, hot, woman, stone, waiter, big, leader
31	face	2	table, people, above, John, lead, bald, brown, haircut, bed, class, food, over, bolt, chief, heels, red, first, anatomy, thought
29	top	1	organ, handsome, lavatory, looks, bathroom, on, dress, forehead, long, father, monument, torso, hunter, intelligence, behind, fat, halt, memory, house, water, cranium, move, dark, tall, guillotine, fall, John the Baptist, bottom, sick, glasses, scripture, Ruth, glove, globe, hurts, fore, horse, shoe, Chinese, cover, curly, skull, dirty, less, back, navy, storm, features, dean, before, hydraulics, dome, small, shirt, falit, coach, pate, thick, upper, thinker, band, pointed
28	hands		
23	brain, ache		
22	heart		
20	toe		
19	arms		
17	tail		
16	think, cabbage		
15	man		
14	cap		
12	hard		

STIMULUS = 71. Stove

235	hot	8	cooking, iron, gas
184	heat	7	light, range
109	pipe	6	burn
72	cook	5	furnace, pot, leg
61	warm	4	pan(s), bolt
54	fire	3	burner, pot belly, chimney, lamp
36	black	2	electric, red, house, fuel, icebox, top, old, smoke
35	oven		
23	food	1	coffee, room, handle, camping, lead, fireplace, kettle, in, lit, league, post, cook stove, poker, flame, smell, bulky, chair, tube, length, boil, bake, glow, eat, grate, big, below, lining, cabin, heater, white
20	warmth		
17	wood		
16	kitchen		
12	lid		
9	coal(s)		

STIMULUS = 72. Long

758	short	2	string, lean, board, horizontal, stockings, big, endless, pants, sleeve, life, river, story, hard, slim, stick
11	fellow		
10	narrow		
9	john, time	1	snake, true, winter, class, walk, wire, Macy, meter, height, for, song, trip, stretch, yard-stick, path, Louie, down, day, stand, nose, hands, dress, straight, train, around, past, jeans, stilt, large, rifle, steel, psych., pole, vacation, school, don, many, wail, feet, wait, spaghetti, tedious, legged, dog, much, bon, straws, walking, lengthy, hollow, silence, head, painful, pencil, post, angleworm, winding, gone, ribbon, hood, way, stream, shot, awaited, tail, rog, barrel, fingers, gun, horn, rod, pier
8	hair, far		
7	island, road, thin		
6	underwear		
5	leg(s), rope, tall, ruler, low, line, distance		
4	beach, run		
3	length, wide, knife, want, arm, lake		

STIMULUS = 73. Religion

285	church	4	peace, Presbyterian, prayer, sect, pray, ^{love,} man(en)
196	God	3	think, atheist, philosophy, Jesus, right, none, law, no
70	Bible		
37	faith, catholic	2	sacred, orthodox, agnostic, study, soul, pious, opium, Congregational, learning, heathen, necessary, thought
27	belief		
23	good		
22	priest	1	practice, mine, tolerance, fanatic, school, die, cross, bad, meaning, Luther, Communist, hell, mission, nun, non-religion, now, theme, race, dream, mysticism, way, argument, Newman, mad, Moses, creed, me, non, science, pew, one, nature, mass, camp, truth, St. Thomas, talk, Sunday, mystery, escape, poor, word, holiness, weak, reverence, piety, Wesley, theology, ideas, Buddhist, preacher, guidance, bishop, bunk, Jew, salvation, moral, distaste, St. Olaf, fake, foey, fervor, denomination, mind, service, preach, ceremony, chill, ritual, trouble, bull, question, believe, moral, crack
19	Lutheran		
16	life		
11	minister		
10	protestant		
9	Christ		
8	Methodist, book		
7	Christian, holy, atheism		
6	Episcopal,		
5	Baptist, Jewish, people, Christianity, worship		

STIMULUS - 72. Religion (continued)

- 1 see, important, doctor, my own, confusion, drab, ethics, form, goofy, yes, rosary, person, orders, live, drug, cloudy, rite, hypocrite, demagoguery, hate, reverend, way of life, jack, weak

STIMULUS - 74. Whiskey

- | | | | |
|-----|------------------------|---|---|
| 284 | drink(s) | 4 | bitter, ad, booze, hot, party, no, water |
| 123 | drunk | 3 | taste, ugh, rebellion, liquid, hangover, Seagram's |
| 78 | sour(s) | 2 | jug, Old Granddad, 7 & 7, cold, alcoholic, warm, headache, Irish, stimulant, beverage, brown, Saturday (night), intoxicated(ion), mix, drunkenness, fool |
| 52 | beer | | |
| 44 | liquor | | |
| 41 | gin | | |
| 39 | bottles | | |
| 32 | bad | 1 | never touch it, pleasure, horrible, Old Crow, poison, stupid, pain, Haig & Haig, 7 Crown, O.K., heave, dull nerves, aged, ahhh, nice, barrel, contempt, squelch, history, Stevens, nose, dai, morals, bill, ice, joviality, immoral, thirsty, vile, ish, social, spirits, dry, stimulus, old man, ginger ale, yes, coke, sea, strong, bonded, dirt, dislike, delicious, New Year's, distrust, white, fail, sin, fun, nuts, bum, foul, wrong, bunk, clear, prohibition, burp, powerful, vodka, rye, wild women, happy, binge, enjoyment, sickening, no good, middle class, Corky's, club, color, tavern, burn, drug, still, woolly, cuttysarp, asian |
| 18 | alcohol, good | | |
| 15 | rye | | |
| 11 | glass, women | | |
| 10 | wine | | |
| 9 | rum, drinking | | |
| 8 | bourbon, evil | | |
| 7 | bar, scotch | | |
| 6 | soda, Four Roses | | |
| 5 | drunkard, sick, brandy | | |

STIMULUS - 75. Child

- | | | | |
|-----|-----------------------------|---|---|
| 159 | baby(ies) | 4 | youth, father, grown-up, bear(ing), happy, psychology |
| 117 | mother | 3 | crying, doll, brat, labor, bad, dog, sister, sleep |
| 74 | adult | 2 | born, ball, health, adolescent, learn, grow, nurse, trouble, Christ, clothes, friend, crib, diapers, home, fun, pregnant(cy) |
| 69 | boy | | |
| 62 | small | | |
| 39 | young | | |
| 33 | kid(s) | 1 | sex, childish, family, mischief, youngster, sad, happiness, Sonia, nursery, well, lad, pediatrics, feed, human, breast, pain, future, playful, bottle, person, joy, soft, mess, too, monster, Galen, scrawny, scold, you, pretty, nephew, 6, development, twin, service, sleepy, nest, wept, snowball, spoiled, room, creep, hand, bed, white, disobedience, Charles, cold, pleasing, have one, prodige, two, Dave, Dick, simple, yes, grass, playing, try, John, sweet, laugh, bright, see, Stephen, kind, pleasant, smile, walk, tyke |
| 30 | little | | |
| 28 | man | | |
| 21 | parent(s), infant | | |
| 20 | play(s), girls | | |
| 19 | children | | |
| 18 | woman | | |
| 14 | good | | |
| 12 | love | | |
| 10 | cute, love | | |
| 9 | welfare | | |
| 8 | school | | |
| 7 | birth, cry | | |
| 6 | sweet, toy(s), son, brother | | |
| 5 | tot, niece, innocent | | |

STIMULUS - 76. Bitter

652	sweet	3	grapefruit, food, fruit, vinegar, hate, anger
125	sour	2	drink, strong, icky, angostura, unhappy, quinine, tongue, not good
43	taste		
15	chocolate	1	against, tough, anacasta, resent, mild, rid, tea, berries, base, grimace, story, drug, happy, worse, bitters, disappointment, agony, argument, tears, mallow, acrid, durerer, red, eat, stem, resentment, weed, tasting, fat, olive, hot, distasteful, coffee, harsh, beer, whiskey, me, salt, pickle, netch, dandelion, truth, dose, poison, cranberries, chills, saccharin, apple, shame, butter, Truman, unpleasant, flower, awful, horse radish, medicine, oranges, sharp, terrible, ish, misery
13	rise		
2	cold, lemon		
8	angry, bad		
6	hard, mad		
5	acid, almonds, herbs		
4	grape		

STIMULUS - 77. Hammer

537	nail(s)	4	thong, Russia, iron, wood
83	saw	3	chisel, pliers
57	hit	2	heavy, arm, forge, handle, loud, task, axe, build, clew, couch, building
52	pound		
50	head	1	hawk, Don, metal, beat, sound, Mike, axle, throw, shovel, dough, packing, steel, knock, tackle, home, break, finger, boy, sock, bench, sledge, pain, thread, barb, prong, strike, friend, blunt, implement, house, strong, sword, repair, struck, cycle, toe, blow, housework, whistle, can, father, melt, board
38	tongs		
27	tool(s)		
21	hard		
14	sickle		
11	anvil		
8	hurt		
6	carpenter, work, noise		
5	thumb		

STIMULUS - 78. Thirsty

348	water	4	desert
296	drink	3	milk, coke
121	dry	2	drunk, cup, boy, satiated, parched, thirst, eat
99	hungry	1	hunger, drank, stimulus, satisfied, full, no, uncomfortable, bar, rats, gain, drawn, fast, wish, craving, liquid, sweet, just whistle, food, avid, cool, rasp, shy, wake, nail, eat, sugar, filled, soda, mouth, crave, drought, Squirt, content, summer, salt, tasty, liquor, warm, throat, man, horse, well, glue
16	beer		
9	cold		
8	whiskey, wet		
7	H ₂ O		
6	tired, hot, glass		
5	pop, quench		

STIMULUS - 79. City

553	town	5	black, Chicago, dirty
121	Minneapolis	4	hall, busy, traffic
74	state	3	dump, round, water, dirt, home
69	country	2	smoke, streetcar, place, here, live, car(s), parks, man, towers, day
64	square		
32	people, street	1	pipe, snow, crowds, wells, high, excitement, factory, cop, pig, club, fun, Rochester, Montevideo, Milwaukee, ocean, Memphis, rural, Des Moines, life, gas, hard, huge, population, metropolis, Excelsior, court, downtown, RR, Duluth, bustle, Faribault, dust, site, vast, triangle, window, county, skyscrapers, Seattle, suburb, Preston, dark, map, plant, stand, sin, concrete, school, Ames, sidewalk, New Orleans, urban, subway
24	St. Paul		
22	building(s)		
20	block(s)		
15	big		
12	New York		
11	house(s)		
10	large		
09	light(s)		
8	noise		
7	village, farm		

STIMULUS - 80. Square

372	round	4	figure, foot, math, village, table, butter, mile, wood, person
211	circle		
65	block	3	carpenter, lumber, sharp, house, Madison, meal, angles, small, London
26	dance		
22	root	2	buildings, statue, dumb, cold, trees, shape, diamond, dice, street, tool, green, city square, ring, Washington, hard, deal, peg, Boston
20	city		
19	triangle		
17	head	1	market, psychology, policemen, circular, dot, geometric figure, centimeter, dark, shops, frame, writing, courthouse, dope, lines, easy, formula, four, John, bop, hillbilly, floor, tie, inch, sum, rhombus, rule, hep, ta, pack, mouse, tee, hole, knot, board, church, same, bill, 7 corners, man, N. Y., fudge, three, grass, not round, public, hexagon, France, bond, even, ruler, yard, country, right, sides, shirt, nut, garden, St. Paul, jerk, πr^2 , right angles, shoulders, red, Cadillac, flowers, fence, candy, love, plaza, pencil, yard, Times Square
13	box		
12	cube, rectangle		
11	time(s)		
7	town, geometry		
5	corner, chocolate, park, oblong		

STIMULUS - 81. Butter

637	bread	5	scotch, grease, salt, toast, cup
81	yellow	4	good, nut
30	soft	3	taste, ball, rum, sweet, square, lard, melt, smooth, expensive, pat
24	fat		
22	food	2	margarine, salty
20	knife	1	up, oil, dish, bristle, loaf, oar, brain, man, carton, smear, printing, jam, creamery, sweet, brown nose, carrots, red, pound, potato, finger, popcorn, tub, drink, broad, butter, sugar, sandwich, doctor, health, lawyer, churn, bum, butter, lemon, bitter, greasy, meat, bull
16	eggs		
14	cream		
13	milk		
9	cow, oleo, cheese		
7	fly		
6	spread, eat		

STIMULUS - 82. Doctor

238	nurse	4	dad(dy), pill(s), surgeon, school, healing, aid
146	stuck	3	hurt, bill, kind
133	lawyer	2	study, death, life, friend, boy, healer,
50	medicine		Berens, Lund, call, well, work, operation, pain,
45	hasith		medical school, fix, bed
38	sickness	1	kit, till, rich man, clinic, mom, clean, me,
24	hospital		ether, child, Ph.D., people, health center,
23	man(e)		Gass, gentle, visit, man-white coat, healthy,
22	dentist		mand, college, harr, Jordan, knowledge, grey,
20	help(s), ill(s)		Baker, explore, them, needle, wound, law, medic,
17	illness		Richardson, saw bones, ambition, getting well,
15	white		aunt, teacher, door, I, cuts, look, woman, fee,
11	patient, physician, heal		cost, father, baby, home, husband, house, metabolism, old, Kildare, hat, throat, church,
8	good, bag, M.D., office		scalpel, gilder, grief, mother, coat, chief, wall, feel, cold, ouch, no, medical, white robe,
7	stethoscope		stitch, Livingstone, rest, said, Morsay
6	cure		

STIMULUS - 83. Loud

541	soft	3	music, long, crash, blast
210	noise	2	horn, deafening, clear, harsh, gun, speaker, strong, low, voice, cry, drum, thunder, hurt, yell
68	quiet		
27	noisy		
19	sound	1	kids, tie, heard, machinery, report, clap, salt, radio, band, bell, whistle, coars, train, math, short, bag, shot, fair, bear, boob, talking, me, din, ear, bothersome, talk, faint, nuisance, hard, base, boone, fight, racket, deafen, child, scream, heavy, fear, decibel, big, cheerleading, crazy, boisterous, shrill, door, louder, woman, still, recoil, song, call, Phylisa, hammering, annoying, horrid, thief, clang, disturbance. no, sax, waves, car
15	mouth(ed)		
9	bang		
6	silent		
5	sharp, shout		

STIMULUS - 84. Thief

286	steal	6	dark, jewels, take
138	robber	5	movie, villain, robbery
69	crook	4	theft, bandit, sneak, crime,
54	burglar	3	stealing, bicycle, honest, stop, murderer
37	money	2	accomplice, Dillinger, mask, wrong, merchant, stealer, rat, Bagdad, good, sly, silver(ware), vandal, person, poor, bag, catch, window, jewelry
25	cop		
23	had, stole		
21	rob	1	spoil, beggar(man), stealth, Indian, lout, judge, voleur, lawyer, danger, fast, break, purse, red, clever, brother, help, Damascus, lout, guilt, in the night, noise, angel, loss, victim, woman, gold, roar, goods, policeman, flee, city, chickens, in, diamond, giver, alarm, River Falls, stolen goods, lose, gamble, chase, suit, property, no dialogue, sorrow, unlawful, gam, London, bum, pocket, doctor, chair, dog, evil, culprit, fiend, block, jerk, wit, son't, bank, sole, prison, took, fail, pocketbook
19	stolen		
14	police, run, man, night, jail		
13	beggar, criminal		
12	gun		
8	law		
7	river,		

STIMULUS - 84. Thief (continued)

- 1 petty, chief, prison, crafty, arrest, fire, harm, clothes, house, show, bedroom, murder, flight, the, stole, leaf, coward, boy, dishonest

STIMULUS - 85. Lion

261	tiger	5	eat, man, hunt, fur, beast
148	animal	4	MM, mouth, yellow, ferocious, jaw, Androcles, hair
69	roar		
31	cat	3	horse, paw, kill, Richard, movies, leopard
30	cub	2	share, sea, dangerous, kitten, hear, cruel, tail, mountain, loud, street, furious, claws, England, lady, strength
28	den		
27	zoo, jungle		
19	cage, tamer	1	wolf, pen, down, monkey, zebra, brave, terrible, wild, noise, agile, gold, hunger, ate, meat, tender, creep, brown, joy, fox, chase, house, run, lair, rock, ZAE, story, Fagan, of, bad, cut, tree, chain, shield, growling, pretty, heart, cries, rabbit, Sampson, shepherd, huge, devour, Greek, is busy, Britain, eating, tawny, stalk, point, woods, hungry, powerful, Goliath, scared, mad, girl, angry, desert, show, throne, fight, giraffe, trainer
16	mouse		
15	lamb, bear		
12	hearted		
11	mane		
9	Africa, Leo, dog		
8	growl, fear, head, strong		
7	lioness, circus, hunter, teeth, king		
6	fierce, Daniel, big		

STIMULUS - 86. Joy

209	happy	4	delight, health, to, tears, peace
202	sorrow	3	relief, mirth, gay, bliss
135	happiness	2	dog, help, shout, despair, wonderful, dishes, bells, cry, excitement, exuberance, wash, child(ren), gaiety, pleasure, enjoy
33	grief, sad, sadness		
25	Christmas	1	news, restraint, like, school, canon, bad, hardship, fright, money, gal, emotion, depression, woman, Arnold, Buggsy, vacation, thrill, made, alacrity, fight, sour, bed, cheer, bright, party, jump, great, nosl, radiance, glee, hat, know, none, washing, rejoice, birth, dance, behold, sister, night, navy, pride, music, man, hymn, perfume, eating, holiday, packard, Joyce, benefit, freedom, leap, home, New Year's, Roger, sweet, Mary, divine, heaven, dream, Christ, rage, whopee, swell, unhappy, reminisce, light, room, Marlys, pain, rapture, ride, nice, hurt, Schiller, mourn, bread, Proctor & Gamble, nature, crying, bless, tullock
21	soap		
14	love		
13	world, fun		
12	girl		
11	hate		
10	gladness		
9	anger, good, smile		
6	laugh		
7	elation, hope, laughter		
6	boy		
5	fear		

STIMULUS - 87. Bed

584	sleep	4	tins, post, stead, bug(s), spread, ridden
73	soft	3	springs, house, cot, lamp, heavy, woman(e), quilt, white
36	sheet		
29	pillow	2	made, big, furniture, blue, dream, dresser, clothes, make, home, sick, sex, good, go, lie, light, hard
25	rest		
18	covers		
16	night, blankets, room	1	salt, lay, twin, pink, gown, flag, slept, in, bath, floor, you, read, black, happiness, head, window, jacket, river, comfortable, passion parlor, linen, yes, hug, fuck, son, pleasure, down, rice, honeymoon, warmth, lead, hot, asleep, large, enjoyment, led, fornication
9	comfort		
8	mattress, girl(s), tired, chair, table		
6	wet, board		
5	warm, wetting, sleepy		

STIMULUS - 88. Heavy

583	light	3	dark, foot, girl, hang(s), bag, slow, hearted
65	load	2	sack, trunk, eyelids, boot, object, sins, snow, ton, hand, smoke, brick(s), box(es), difficult, loud
47	hard		
35	weight	2	truck, rule, sunlight, obese, liquor, bad, casting, blanket, strength, rock, push, logs, sleep, gravy, odor, lid, lug, cumbersome, ponderous, ugh, bread, Bob Slater, awkward, square, sharp, wood, ache, mass, plump, night, drink, cloth, small, on, cloud, hurt, wrestler, dense, tog, mg, fatigue, ship, footsteps, long, clothes, breath, round, set, cow, cardboard, backache, air, shotgun, gut, drop, stout, strain, thick, package, start, low, shoes, effort, cement, piano, carrying, chair, deep, elephant, sugar, back, expressive, pan, lot, food, thug, drinker, eater, sound
19	lead		
17	soft		
12	big		
10	lift, work		
9	sleep, fat, iron		
7	tired, burden		
6	coat, man, large, books		
5	stone		
4	carry, water		

STIMULUS - 89. Tobacco

515	smoke	3	taste, cough, match, spit, pouch, stink(y), good
191	cigarette	2	weed, odor, Camels, no, enjoyment, user
49	pipe	1	puff, add, habit, terrible, spittoon, fun, ugh, patch, on the wagon, can, Kools, south, field, noise, man, no good, bitter, distasteful, Chesterfield, food, ish, nuts, stimulus, arid, growers, white, boubon, Copenhagen, quit, satisfying, chromosome, breath, money, wheeze, land, small, paper, Lucky Strike, heavy, whiskey
31	cigar		
27	road		
23	juice		
20	chew		
18	smoking		
14	smell		
11	leaf(ves)		
8	nicotins		
6	bad		
5	brown, stain		
4	plant, Luckies		

STIMULUS - 90. Baby

162	boy	5	food, kid, tiny
142	child	4	noise, woman(s), cuddle(y), dog, birth
113	cry	3	buggy, parents, milk, laugh, helpless, smile, man, carriage, wet
7	mother		
51	girl	2	joy, ball, six, human, bunting, sister, son, sit, playpen, care, happy
43	small		
27	infant	1	whisper, rocker, big, shoes, clean, coy, tot, fun, marriage, hands, doctor, softness, dress, small child, delicate, thumb, high chair, new, clothes, learn, ugly, dependence, pregnancy, bedroom, daughter, nephew, hospital, twins, caps, yell, Jerry, cried, rattles, cow, stupid, baboon, no, Boone, nice, fondness, pair, snocks, smooth, spill, wear, neonate, Carol, maybe, fat, nursemaid, Nancy, lotion, on the way, pleasant, innocent, face, bath, pretty, growup, talk
21	cute		
18	little		
17	blue		
12	diapers		
13	crib, crying		
11	bed, sitter, soft		
10	born, bottle, brother		
9	toy(s), doll, pink, sleep		
8	sweet, blanket, young, adult, spoon		
7	rattle		
6	love, coc		

STIMULUS - 91. Moon

205	stars	6	rocket, romance, full, high
168	sun	5	dark, satellite, man(s), crescent, big, face
87	night	4	maid, pretty, rise, beautiful, cold, silver
64	light		
50	shine(s)	3	Mars, noon, universe
43	sky	2	half, soft, nice, goon, water, heaven, shape, distance, lake, lunatic, Over Miami, Saturn, astronomy, water
33	earth		
26	yellow		
18	beam(s), bright, June	1	cool, tune, date, gold, stroke, tide, face night, swoon, pole, circle, study, look, clouds, body, telescope, pale, iz, away, beauty, down, Buck Rogers, flight, clear, eat, kiss, exciting, parking, morning, solunar, loon, smooch, car, green cheese, girl, science, summer, luna, fly travel, moon, saucer, space, sixpence, dream, reflection, nigh, new, large, God, necking, glass, honey, environment, green, far, trip, fascinating, evening, niad, solar system, box
17	round		
15	blue		
13	white		
12	glow, love		
10	planet		
9	spoon		
8	cheese		

STIMULUS - 92. Scissors

		8	material, sewing, sew
671	cut	3	clip
90	sharp	2	razor
43	paper	1	hair, pliers, saw, clippers, grip, hold, metal, forceps, machine, clothes, fabric, barber, pair, grinders, pointed, table, nostril, mother, fork, tongs, string, rabbi, black, wrestling, shear, spool, wrestle, instrument, cross, pins, hard, game, nails, silver, iron, strip
38	cloth		
33	knife(s)		
15	shears		
13	thread, cutting		
9	snip, needle		

STIMULUS - 93. Quiet

348	loud	4	zone, shhh, please
113	noisy	3	sleepy,
98	noise	2	mouse, home, serene, solitude, cool, front, girl, time, soundless, church, light, noiseless
63	soft	1	Dr., sun, sea, think, stop, class, house,
53	sleep		rustle, gentle, thinking, down, nursery, loud-
38	man		ness, rock, step softly, summer, lost, lake,
34	still		scream, mice, psychology, relaxation, person,
27	hospital		boy, impact, small, now, sleeping, multitude,
26	peace		golden, fast, sweet, jump, yet, ish, easy,
23	night		softly, fear, moody, evening, day, bed, test,
10	library, silent, peaceful		alone, warm, country, hear, classroom, sign,
8	room, rest, sound		dignified, spring, ocean, candle, stillness,
7	dark		awake, something, radio, be, restless, eyes,
6	silence, nice, calm		hours
5	study		

STIMULUS - 94. Green

262	grass	1	shirt, giant, valley, purple, brown, dark, Ireland
216	red	3	envy, emerald(s), peas, cloth, salad, forest, orange, cool, pepper
122	blue	2	lake, sick, shoe(s), dress, sleeve(s), gold, ground, lawn, sweater, felt, field, cabbage, pastures, ocean
66	yellow	1	meadow, sky, book, robe, chartreuse, restful, pink, coat, earth, bright, plush, spinach, peace, soft, kelly, suit, quiet, red-yellow.
53	color		wear, jelly, green, signal, lettuce, stuff, lynne, death, milk, chair, land, bag, golf, hay, stoplight, comfort, vegetable, man, beans, flower, read, tea, wave, traffic, spring, hair, clay, house, snake, food, moss, cheese, money, fade, A.F.L. river, fresh, shimmer, habits, jealousy
23	go		
21	light		
20	white		
16	sea		
14	black		
12	tree(s)		
10	plant(s)		
6	grey, eyes, water		
5	Irish, leaf(ves)		

STIMULUS - 95. Salt

430	pepper	7	NaCl
83	sugar	6	white
76	water	5	table, spice
50	taste	4	flavor, free, earth, good, lick
33	sea	3	season, mines, bread, salty, grains, thirsty, popcorn, celery, savour
31	bitter	2	french fries, flat(s), tomato(es), soup, dry, Morton's, cellar, butter
30	shaker	1	crackers, port, chemistry, sodium, base, apple, compound, sting, body, grimace, cow, halite, blue, flour, iddine, desert, diet, sprinkle, lemons, fish, black, pour, carrots, eggs, cuts, tart, drink, sorethroat, coffee, song, potato, spray, baby, pork, sharp, mineral, water taffy, tasty, iodized, eating, stronge, use, cheese
29	food		
23	ocean		
19	sweet, lake		
15	eat		
12	meat		
11	Peter		
9	sour, seasoning		

STIMULUS - 96. Street

190	Avenue	5	traffic, live
128	road	4	curb, main, straight, home(s), dirt
112	cars	3	rue, 4th, walker, 6th, path, noise, dance, Washington
51	light(s)		
48	city	2	tax, clothes, wiring, crossing, sour, way, Basin, fight, gutter, dreams, St. Clair, people, 5th, University, black, wide, highway, trees, icy
38	alley		
33	walk		
30	sign	1	land, fountain, direction, stores, walking, snow, Raymond, 15th, Minnesota, wet, Logan, Morgan, Cleveland, block, Onowen, oil, in. Melbourne, dirty, Walnut, paved, beach, Blair, post, slush, corridor, puddle, units, Ashland, 14th, Queen Ave., Larue, Lyndale, King, Plymouth, Church, village, concrete, Nicollet, wall, #, Halifax, 3rd, asphalt, line, repair, major, cement, automobiles, side, pole, name, nob, go, ice, boulevard, lamppost, call, clean, cobblestone, Hennepin, First, meet, white, ton, beat, song, Osceola, brick, streetcar, crowded, across, green, Emerson, Holly, Lawson, square, New York, Knox, destination, Burr, coordinate, Columbia, down, picture, sitter, Payne Ave.
24	house(s)		
20	corner, sidewalk		
16	town		
14	number		
13	scene		
9	drive, name, lamp(s)		
8	pavement, lane, long		
7	cleaner, narrow		
6	cross, address, dark		

STIMULUS - 97. King

751	queen	4	royal, Henry (IV)(VIII), power, Edward, county, Solomon, monarch
20	England		
18	crown	3	kingdom, prince, leader, Siam, John
13	pin	2	top, Jack, reign, Farouk, Cole, story, lion, royalty, James, I
11	George		
10	ruler,	1	court, purple, robe, sceptre, duke, fish, Lear, knight, peasant, empire, Midas, king, lard, crab, blue, ace, no-good, hearts, head, Julius, Anthony, Anna, Louis, cotton, large, rex, lord, Louis XIV, street, Leo, checkers, rich, friend, ring, chief, jewels, feudal, emperor, clubs, land, Arabia, shit, sovereign, cheese, size, highway, dead, dog, men, regal, Arthur, money, gout, kingly, despotism, mountain king, Herod, pomp, coil, serve, checkmate, feast, high, president, gold
9	Kong, throne, man		
6	cards, tut		
5	rule, subjects, chess		

STIMULUS - 98. Cheese

108	crackers	24	holes	6	roquefort, beer, sour, cut, good
94	mouse(ice)	23	sandwich		
82	bread	21	smell	5	pie, kraft, dairy, spread, Limburger
76	eat	20	rat		
68	food	19	moon	4	orange, smile
47	yellow, milk	18	green	3	burger, tasty, taste, macaroni, big
42	cake	15	swiss, wise		
37	butter	11	cream	2	Holland, cave, cutter, velveta, apple pie, factory, tangy, ish, better, soft, Friday, picture, dry, adam
32	cottage	8	American		
25	blue	7	cow, bacon, cheddar		

STIMULUS - 98. Cheese (continued)

1 rye, salad, corn, mite, brick, porous, eating, sweet, sausage, knife, mold, and, icebox, no, apple, heavy, pumpernickle bread, strong, cloth, Switzerland, beans, wedge, photography, carton, toast, mild, meat, longhorn, rotten, wrapper, Christmas, camembert, swiss, dislike, king, stinky, home, please, shorn, cards, curd, parmesan, cat, slices, sharp, read, white, roll, popcorn, waffles, age, salt

STIMULUS - 99. Blossom

572	flower	5	sweet, Seely, orange
78	apple	4	out, cherry
35	bloom	3	red, beauty, stem
28	time	2	fruit, leaf, bird, bough, blue, breast, apple blossom, apple tree
20	spring		
19	smell	1	fool, clover, day, blood, Negroes, nice, girl, fragrance, fragrant, root, man, bean, top, skunk, spread, gal, lily, bush, magnolia, wilt, flower, carnation, forth, wedding, name, field, child, beautiful, petals, petunia, cow, sun, white, yellow
18	rose		
13	bud		
11	plant, tree(s), pretty		
9	pink		

STIMULUS - 100. Afraid

261	fear	4	bold, fearful, child, hurt
240	scared	3	snakes, dog, not afraid, confident, anger, horror, accident, worried
98	dark		
63	brave	2	sick, scream, finals, courageous, shy, spider(s), animal, secure, trouble, army, tense, death, worry, darkness, shrink, terrified, content, mad
23	frightened		
12	run, scare		
11	happy		
10	unafraid	1	sun, reaction, gun, stop, nah, people, shake, winder, alone, hot, anxious, sissy, pest, mean, quiver, silly, running, drop, crying, tremble, of what, scar, eager, lonely, smear, shirk, unknown, of, kind, awake, cold, tiger, defiant, flunk-out, despair, you, conflicts, sweat, sure, hatred, physics, can't, west, tests, frightened, lion, unhappy, men, fire, sleep, certain, heart, crouch, hate, eyes, tired, soldier, sound, trust, laugh, light, Negroes, yes, loud, strong, bomb, timid, wolf, queer, nice, girl, hide, help, party, to dream, calm, unhappiness, bell, unprepared, cringe, jungle, cats, something, glad, high, troubled, enemy, why, senses, murder, ghost, shaky, sad, bark, uneasy, morrow, friendly, anxiety, nervous, passive, mystery, recall, yellow, carry, alarm
9	courage		
8	no, fearless		
7	fright, terror, never		
6	light, coward, danger, not, cry, slight		
5	quiet, war, bad		

A P P E N D I X A

The Kent-Rosanoff Word Association Test

Name _____ Class _____ Date _____

No.	Stimulus	Response	No.	Stimulus	Response
1.	Table	_____	26.	Wish	_____
2.	Dark	_____	27.	River	_____
3.	Music	_____	28.	White	_____
4.	Sickness	_____	29.	Beautiful	_____
5.	Man	_____	30.	Window	_____
6.	Deep	_____	31.	Rough	_____
7.	Soft	_____	32.	Citizen	_____
8.	Eating	_____	33.	Foot	_____
9.	Mountain	_____	34.	Spider	_____
10.	House	_____	35.	Needle	_____
11.	Black	_____	36.	Red	_____
12.	Mutton	_____	37.	Sleep	_____
13.	Comfort	_____	38.	Anger	_____
14.	Hard	_____	39.	Carpet	_____
15.	Short	_____	40.	Girl	_____
16.	Fruit	_____	41.	High	_____
17.	Butterfly	_____	42.	Working	_____
18.	Smooth	_____	43.	Sour	_____
19.	Command	_____	44.	Earth	_____
20.	Chair	_____	45.	Trouble	_____
21.	Sweet	_____	46.	Soldier	_____
22.	Whistle	_____	47.	Cabbage	_____
23.	Woman	_____	48.	Hard	_____
24.	Cold	_____	49.	Eagle	_____
25.	Slow	_____	50.	Stomach	_____

Name _____

<u>No.</u>	<u>Stimulus</u>	<u>Response</u>	<u>No.</u>	<u>Stimulus</u>	<u>Response</u>
51.	Stom	_____	76.	Bitter	_____
52.	Lamp	_____	77.	Hammer	_____
53.	Dream	_____	78.	Thirsty	_____
54.	Yellow	_____	79.	City	_____
55.	Bread	_____	80.	Square	_____
56.	Justice	_____	81.	Butter	_____
57.	Boy	_____	82.	Doctor	_____
58.	Light	_____	83.	Loud	_____
59.	Health	_____	84.	Thief	_____
60.	Bible	_____	85.	Lion	_____
61.	Memory	_____	86.	Joy	_____
62.	Sheep	_____	87.	Bed	_____
63.	Bath	_____	88.	Heavy	_____
64.	Cottage	_____	89.	Tobacco	_____
65.	Swift	_____	90.	Baby	_____
66.	Blue	_____	91.	Moon	_____
67.	Hungry	_____	92.	Scissors	_____
68.	Priest	_____	93.	Quiet	_____
69.	Ocean	_____	94.	Green	_____
70.	Head	_____	95.	Salt	_____
71.	Stove	_____	96.	Street	_____
72.	Long	_____	97.	King	_____
73.	Religion	_____	98.	Cheese	_____
74.	Whiskey	_____	99.	Blossom	_____
75.	Child	_____	100.	Afraid	_____

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