

CODEBOOK APPENDIX FILE
1982 MERGED METHODS FILE

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>> ABOUT THE EXPRESSIONS IN THE 1982 QUESTIONNAIRE (NAME Y X, Y. OR Z)

The 1982 TIME SERIES questionnaire made provisions to have interviewers fill in district/state candidate names in blank slots like the one depicted above. A comprehensive list of HOUSE, SENATE and GOVERNOR candidate and incumbent names was prepared for each of the 173 districts in the sample and the interviewers used the lists to pre-edit names where appropriate depending on the district of interview. These candidate lists are reproduced in the green pages section of this documentation.

The (NAME #) expression will generally list more than one candidate number. For any given district, however, one of two possibilities will hold: 1) there will be one and only one name in the district candidate list qualifying for inclusion on the basis of the numbers listed in the expression; or 2) there will be no number in the district candidate list matching any of the numbers in the expression. An instance of no matching numbers arises for a question about the candidate challenging a district incumbent when, in fact, the incumbent is running unopposed. Interviewers were instructed to mark "NO INFO" those questions involving unmatched candidate numbers in the (NAME #) expression.

In the candidate list, each candidate or incumbent is assigned a number or code. Numbers beginning with 1 (11-19) are for the Senate, numbers beginning with 3 (31-39) are for the House of Representatives, and numbers beginning with 5 (51-58) are for governors. In addition, the code or number assigned to a name has an intrinsic meaning--it denotes the functional role of that person in the context of the 1982 general elections. For example, candidate number 33 is used for a Democratic House incumbent seeking re-election and playing, therefore, the dual role of House incumbent and Democratic candidate for the House of Representatives in the 1982 elections. The precise meaning of each candidate number used in the study is given below. Needless to say, you will need to understand the scheme that was used in order to work effectively with the questions involving (NAME #) expressions.

Virtually all states redefined congressional district boundaries (redistricted) during 1981 or 1982 in accordance with new 1980 Census population estimates. In the candidate list, the term 'incumbent' denotes a House candidate who was a member of Congress prior to the 1982 general elections. Unlike 1978 and 1980, the incumbent's district in 1982 may consist of a fairly different geographic area than the area covered by the district prior to the boundary changes; therefore, although the 'incumbent' House candidate served in Congress as of the 1982 elections, depending on changes in district boundaries, he or she may or may not have been the survey respondent's district incumbent before 1982.

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>> 1982 FEELING THERMOMETER (C5)

1. RE: Massachusetts: Edward Kennedy's name is referenced twice in the feeling thermometer for respondents in Massachusetts. Respondents in this state were asked to rate Kennedy only once, at the first location (CAC). The response was then post-edited into the second reference (C5e).

2. RE: Liberal, Conservative, and Independent Candidates The Congressional districts listed below had an independent or minor party candidate running in 1982, in addition to a Democratic and/or Republican candidate.

These third party candidates were included in the description of the Congressional races. The Type of House Race (V10) was coded 13, 19, 23, 29, 49, 56, 57 or 59, as appropriate.

CA 43	NY 10		
GA 05	NY 11	NY 16	NY 27
NY 03	NY 12	NY 18	NY 28
NY 04	NY 14	NY 20	PA 02
NY 06	NY 15	NY 25	UT 03

The minor party candidates were referenced in the following questions only:

C5p	J4g	J7g
J1m	J5g	L4
J3g	J6g	

3. RE: New York Congressional Districts: Liberal and Conservative candidates running in New York have been included in all New York districts. In cases where the Democratic and Republican candidates also had the support of the Liberal and Conservative parties, respectively, they are assigned the candidate number appropriate for Democratic or Republican candidates, and treated throughout the questionnaire only as Democratic or Republican candidates.

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>> 1982 DISTRICT OF COLUMBIA INTERVIEWS

Since there were no races for the U.S. Senate or the U.S. House of Representatives in the District of Columbia, certain questions in the interview schedule were inappropriate for respondents living in that area. Interviewers in the District of Columbia were instructed to omit questions about the House and Senate races. The list of questions omitted for DC respondents includes:

C2, C2a, C2b	J5e-J5g
C4, C4a, C4b	J6e-J6g
C5e-C5p	J7e-J7g
E1-E44	K2, K2a, K10a
F8, F8a	L4, L4a
J1c-J1m	L6, L6a
J3e-J3g	L8, L8a
J4e-J4g	

Several checkpoint questions were also inappropriate for District of Columbia interviews and were coded as follows:

C3, E5, E8, F7, L5, L7 = 9 K10 = 2

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>> 1982 VOTE QUESTIONS (SECTION L)

According to Louisiana election laws any candidate receiving over fifty per cent of the primary vote is elected to office and does not appear on the ballot in the November general election. In both Congressional Districts, 05 and 07, the candidates were so elected. These races were coded 14, identifying them as districts with incumbents running unopposed (see V.10). The candidate number assigned was 33 - Democratic Incumbent (see Note A).

The vote section, Q L4-L8, was omitted for these districts. Respondents were asked L1-L3 and L9 since they did have the opportunity to vote on other state matters in November. Alterations were also made to the question wording in C2 and E1 (see specific questions for changes).

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>> 1982 GEORGIA 04 AND 05

Congressional districts 04 and 05 in Georgia were late in finalizing a redistricting plan and, as a result, their congressional primary was held November 2, followed by a specialHouse election held November 30. Interviewing in Georgia 04 and 05 was delayed until December 1, after the special House election. Residents of these two Georgia districts did go to the polls November 2 to vote for all other offices and issues on Georgia's 1982 ballot.

To ascertain the voting behavior of respondents in GA04 and 05, question L1 was administered, and if the respondent reported not voting November 2, he/she was asked an additional question about whether they voted in the special November 30th election. (See L1 for question text.) This additional question was not coded separately, but respondents who reported voting in the special House election were recoded to a "1. Yes, did vote" answer in L1. Thus, L1 captures respondent turnout in either the November 2 or the November 30 election for GA04 and GADS respondents.

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>> 1982 UNOPPOSED RACES

In the congressional districts listed below, only one major party candidate ran. (Some of these districts may have had minor party opposition.)

AL03	MA03	NY18
CA25	MI01	OH03
FL10	MI14	PA02
FL17	MS03	TX17
OA02	NC10	TX22
IL01	NE03	UT03
IL08	NJ13	WI09
KY01	NY06	
MA01	NY16	

*LA0S (See Note D)

*LA07

□

>> 1982 CANDIDATE NUMBER MASTER CODE 10/82
(Revised for 1982 redistricting)

For States With No
Incumbent Senator Running

- 11. Democratic Candidate
- 12. Republican Candidate

- 19. Other Senate Incumbent
whose term is not up
- 20. Independent Candidate

For States With Running
Incumbent Senator

- 13. Democratic Incumbent
- 14. Republican Incumbent
- 15. Democratic Candidate
- 16. Republican Candidate
- 19. Other Senate Incumbent
whose term is not up
- 20. Independent Candidate

For States With No Senate Race

- 17. (1st) Incumbent
- 18. (2nd) Incumbent

For Districts With No
Incumbent Representative Running

- 31. Democratic Candidate
- 32. Republican Candidate

- 39. Independent Candidate

For Districts With Running
Incumbent Representative(s)

- 33. Democratic Incumbent
- 34. Republican Incumbent
- 35. Democratic Candidate

- 36. Republican Candidate
- 37. Liberal or Conservative
Candidate
- 39. Independent Candidate

For States With No
Incumbent Governor Running

- 51. Democratic Candidate
- 52. Republican Candidate

- 58. Independent Candidate

For States With Running
Incumbent Governor

- 53. Democratic Incumbent
- 54. Republican Incumbent
- 55. Democratic Candidate
- 56. Republican Candidate
- 58. Independent Candidate

For States With No Governor Race

- 59. Incumbent Governor

Used in the Vote Section (L) only for respondents who voted outside of
district/state of interview.

For States/Districts With
No Incumbents Running

- 81. Democratic Candidate
- 82. Republican Candidate

- 89. Independent Candidate
- 91. Democrat - No Name Given

For States/Districts With
Running Incumbents

- 83. Democratic Incumbent
- 84. Republican Incumbent
- 85. Democratic Candidate

- 86. Republican Candidate
- 87. Liberal or Conservative
Candidate
- 89. Independent Candidate
- 91. Democrat - No Name Given

92. Republican - No Name Given

92. Republican - No Name Given

□

>> 1982 CANDIDATE MASTER CODE

PARTY ONLY -- PEOPLE WITHIN PARTY

0001 Johnson
 0002 Kennedy, John; JFK
 0003 Kennedy, Robert; RFK
 0004 Kennedy, Edward "Ted"
 0005 Kennedy, NA which
 0006 Truman
 0007 Roosevelt; "FDR"
 0008 McGovern
 0009 Carter
 0010 Mondale
 0011 McCarthy, Eugene
 0012 Humphrey
 0013 Muskie
 0015 Wallace
 0031 Eisenhower; Ike
 0032 Nixon
 0034 Rockefeller
 0035 Reagan
 0036 Ford
 0037
 0038 Connally
 0039 Kissinger
 0040 McCarthy, Joseph
 0051 Other national party figures (Senators, Congressmen, etc.)
 0052 Local party figures (city, state, etc.)
 0053 Good/Young/Experienced leaders; like whole ticket
 0054 Bad/Old/Inexperienced leaders; dislike whole ticket
 0097 Other people - within - party reasons

PARTY ONLY -- PARTY CHARACTERISTICS

0101 Traditional Democratic voter: always been a Democrat; Just a Democrat; never been a Republican; just couldn't vote Republican
 0102 Traditional Republican voter; always been a Republican; just a Republican; never been a Democrat; just couldn't vote Democratic
 0111 Positive. personal. affective terms applied to party ~ good/nice people, etc.
 0112 Negative, personal, affective terms applied to party -- bad/lazy people, etc.
 0121 Can trust them; they keep their promises; you know where they stand
 0122 Can't trust them; they break their promises; you don't know where they stand
 0131 Party is well-organized, sticks together, is united; members are disciplined; votes party line
 0132 Party is poorly-organized/really two parties/divided/factionalized; members not disciplined; doesn't

- vote party line
- 0133 Party is (more) representative/good cross-section of the country; encompasses a wider variety of views/people; is more at the center of the country's views
- 0134 Party is (less) representative/bad cross-section of the country; encompasses more restricted views; is less at the center of the country's views
- 0141 Reference to party's most recent National Convention; party's process/method of selecting presidential/vice-presidential candidates
- 0151 Performance of local branch of party; how they've done in this state/county/town
- 0161 Reference to the predominant faction that R sees as being in control of the party (NA which faction); "I don't like the people running it"
- 0162 Reference to Northerners/Liberals (as in control) of Democratic Party
- 0163 Reference to Southerners/Conservatives (as in control) of Democratic Party
- 0164 Reference to Easterners/Liberals/Moderates (as in control) of Republican Party
- 0165 Reference to Midwesterners/Westerners/Southerners/Conservatives (as in control) of Republican Party
- 0167 Can't win; doesn't have a chance
- 0168 Can win; party can't be beat
- 0169 Too big a party; there are too many of them; party is too powerful
- 0170 Too small a party; there are not enough of them; party is too weak
- 0171 Listens (more) to people; takes (more) into consideration the needs and wants of people; understands (better) the people/the majority of the people
- 0172 Doesn't listen to/understand the needs and wants of the people/the majority of the people
- 0173 Campaign tactics, uses too much money in campaigns, slings mud
- 0197 Other party-characteristic reasons

CANDIDATE ONLY -- EXPERIENCE, ABILITY

- 0201 General reference to him as "a good/bad man or a good/bad guy"; R has heard good/bad things about him; qualifications; general ability; reference to his "personality"
- 0211 Experienced (NA what kind) (see 0217, 0218 0220 for specific kinds of experience; if in foreign policy see 1100's)
- 0212 Inexperienced
- 0213 Dependable/Trustworthy/Reliable; a man you can trust with the responsibilities of government ("trust" in the capability sense; rather than the honesty sense)
- 0214 Undependable/Untrustworthy/Unreliable; a man you can't trust with the responsibilities of government
- 0215 A military man; a good military/war record
- 0216 Not a military man; bad military/war record; no military/war record
- 0217 His record in public service; how well he's performed in previous offices; voting record in Congress
- 0218 Has government experience/political experience/seniority/incumbency
- 0219 Lacks government experience/political experience
- 0220 A statesman; has diplomatic experience
- 0221 Not a statesman; lacks diplomatic experience
- 0222 "He has done a good job so far"; He has brought us through hard

times"; has gotten things done; has some good ideas; trying to do right things
 0223 Hasn't done anything; hasn't produced any results (general); has not been able to get programs off the ground
 0224 Has fulfilled/kept (campaign) promises
 0225 Has not fulfilled/kept (campaign) promises
 0297 Other candidate experience/ability reasons

CANDIDATE ONLY -- CANDIDATE LEADERSHIP QUALITIES

0301 Dignified/has dignity
 0302 Undignified/lacks dignity
 0303 Strong/decisive/self-confident/aggressive; will end all this indecision
 0304 Weak/indecisive lacks self-confidence/vacillating
 0305 Inspiring; a man you can follow; "a leader"
 0306 Uninspiring; not a man you can follow; not a leader
 0307 People have confidence in him
 0308 People don't have confidence in him
 0309 Good at communicating with blacks, young people, other "problem" groups
 0310 Bad at communicating with blacks, young people, other "problem" groups (if communicate in general - see 0441, 0442)
 0311 Knows how to handle people (at personal level)
 0312 Doesn't know how to handle people (at personal level)
 0313 A politician/political person; (too) much in politics; a good politician; part of Washington crowd; politically motivated; just wants to be reelected
 0314 Not a Politician; not in politics; above politics; a bad politician
 0315 Independent; no one runs him; his own boss
 0316 Not independent; run by others; not his own man/boss
 0317 Humble; knows his limitations; doesn't pretend to know all the answers
 0318 Not humble enough; too cocky/self-confident
 0319 (Too) Careful/Cautious/Good judgment
 0320 (Too) Impulsive/Careless/Bad/Poor judgment
 0321 Helps People in the district on a personal level; has helped R personally with a problem (specific mention); tries to do things for the people
 0322 Doesn't help people in the district on a personal level; was not helpful to R with a personal problem (specific mention) .
 0323 Represents (well) the views of the district; close to people in the district; comes home regularly to chat and mix with people
 0324 Does not represent (well) the views of the district; not close to the people in the district; doesn't interact enough with the people
 0325 Keeps people well informed about governmental matters; communicates with constituents; any mention of R receiving newsletters or communications from him/her; explains well matters so people can understand
 0326 Does not inform people enough about governmental matters; does not send enough newsletters or communications; doesn't explain well matters
 0327 Listens to the people/solicits public opinion; any mention of polls or questionnaires; is accessible to constituents (NFS)
 0328 Doesn't listen to the people/does not solicit public opinion; isn't accessible to constituents (NFS)
 0329 Has helped local (district) economy; brought money, projects, job

to district
 0330 Has not helped local (district) economy; not brought money,
 projects, job to district
 0331 Candidate helps the district; watches out for the interests of the
 district or region in general
 0332 Candidate has not protected/watched out for the interests of the
 district (specific mentions)
 0397 Other candidate leadership reasons

CANDIDATE ONLY -- PERSONAL QUALITIES

0401 Honest/Sincere; keeps promises; man of integrity; means what he
 says; fair; not tricky; open and candid; straightforward;
 positive Playboy references -
 0402 Dishonest/Insincere; breaks promises; no integrity; doesn't mean
 what he says; tricky; not open and candid, not straightforward
 0403 Man of high principles/ideals; high moral purpose; idealistic (if
 too idealistic, code 0416)
 0404 Lacks principles/ideals
 0405 Racist/Bigoted/Prejudiced
 0406 Not a racist/bigoted/prejudiced
 0407 Public servant; man of duty; conscientious; hard-working; would be
 full-time President; good attendance record in Congress;
 dedicated; genuinely interested in serving people
 0408 Does not take Public service seriously; lazy; would be a part-time
 President; poor attendance record in office; not dedicated; not
 really interested in serving people
 0409 Doesn't use office for personal benefit; not in office to maximize
 personal benefit
 0410 Uses/in office (mostly) for personal benefits (junket trips, big
 salary, other perks)
 0411 Patriotic
 0412 Unpatriotic
 0413 Understands the nation's/district's problems; well-informed;
 studies up on issues
 0414 Doesn't understand the nation's/district's problems; poorly
 informed; doesn't study up on issues
 0415 Realistic
 0416 Unrealistic; too idealistic; (if "idealistic" in positive sense,
 code 0403)
 0417 Uses common sense; makes a lot of sense;
 pragmatic/practical/down-to-earth
 0418 Not sensible; impractical
 0419 (Too) Well educated; scholarly
 0420 Poorly educated; unschooled
 0421 Intelligent/Smart
 0422 Unintelligent/Stupid/Dumb

 0423 Religious; "moral" (in religious sense); God-fearing; "too"
 religious
 0424 Irreligious; "immoral" (in religious sense); Playboy interview
 (reflects on Carter)
 0425 Self-made; not well off; started out as poor; worked his way up;
 (started out) unpolished/unrefined/rough
 0426 Wealthy rich; born with silver spoon in mouth;
 polished/refined/well mannered
 0427 Old hat; has run before; a die-hard; "a loser" (in the past)
 0428 Someone new; a fresh face
 0429 Don't change horses in midstream
 0430 Time for a change

0431 Unsafe/Unstable; dictatorial; craves power; ruthless
 0432 Safe/Stable
 0433 Sense of humor; jokes a lot (too much)
 0434 No sense of humor; humorless (too serious)
 0435 Kind/Warm/Gentle
 0436 Cold/Aloof
 0437 Likeable, gets along with people, friendly, outgoing
 0438 Not likeable, can't get along with people
 0439 Democratic (in non-partisan sense)
 0440 Undemocratic (in non-partisan sense)
 0441 High-fallutin'/High-brow; talks in circles, can't talk to common man; can't communicate ideas well
 0442 Not high-fallutin'/is low-brow; talks straight; can talk to common man; can communicate ideas well
 0443 Well-known; "I know him/her"
 0444 Unknown/Not well known
 0445 Reference to his family (not 0457) (including "Billygate")
 0446 Reference to his w /spouse
 0447 Speaking ability
 0448 Health
 0449 Appearance/Looks/Face/Appearance on TV; his smile
 0450 Age (NA how perceived)
 0451 (Too) Old
 0452 (Too) Young
 0453 Mature
 0454 Immature
 0455 Regional reference; "he's a Southerner"; "he's a Midwesterner"; he comes from the country/a rural area; area reference
 0456 Previous occupation; "Carter's a farmer"
 0457 He's a family man
 0459 Energetic; too energetic
 0460 Not energetic
 0461 Gender, e.g., "She's a woman"
 0462 Racial/Ethnic attribute; "He is a black man"
 0495 Other negative personal qualities
 0496 Other positive personal qualities
 0497 Other candidate personal qualities
 0498 References to Playboy interview - NA direction or neutral; "it's OK," "that is what the Bible says" (not 0401)

CANDIDATE ONLY -- PARTY CONNECTIONS

0500 A Democrat; good Democrat; typical Democrat
 0501 A Republican; good Republican; typical Republican
 0502 Controlled by party regulars/bosses, machine
 0503 Not controlled by party regulars/bosses
 0504 Reference to men around him/staff/followers
 0505 Reference to his speeches (except 0447), campaign tactics; mud-slinging
 0506 Can win; best choice for party victory
 0507 Cannot win; not good choice for party victory
 0508 Reference to linkage with other party figures (he's close to the Kennedys, he was close to Eisenhower, etc.)
 0509 Would continue/keep/follow Democratic policies (unspecified)
 0510 Would change/get rid of "
 0511 Would continue/keep/follow Democratic domestic policies (unspecified, not codeable in 0900's)
 0512 Would change/get rid of "
 0513 Would continue/keep/follow Democratic foreign Policies (unspecified, not codeable in 1000's)

0514 Would change/get rid of "
 0515 Would continue/keep/follow Republican Policies (unspecified)
 0516 Would change/get rid of "
 0517 Would continue/keep/follow Republic domestic Policies
 (unspecified, not codeable in 0900's)
 0518 Would change/get rid of "
 0519 Would continue/keep/follow Republican foreign policies
 (unspecified, not codeable in 1000's)
 0520 Would change/get rid of "
 0531 More liberal than most Democrats; a Northern Democrat
 0532 More conservative " ; a Southern Democrat
 0533 More liberal than most Republicans; an Eastern Republican
 0534 More conservative " ; a Midwestern/Western/Southern Republican
 0535 Will bring in/listen to the (party) liberals
 0536 Will bring in/listen to the (party) conservatives
 0541 Reference to the Eagleton affair
 0542 Reference to vice-presidential incumbent/candidate, running mate
 (pre. 1980; reference to Agnew)
 0551 References to link with "Watergate" -- positive reference to
 Watergate
 0552 Not associated with "Watergate" -- negative reference to
 Watergate; making too much out of Watergate
 0553 Ford's pardon of Nixon -- NA direction or against pardon
 0554 " -- pro; brave/right thing to do
 0555 Positive references about Anderson's independent candidacy; maybe
 the country needs a third party, third parties should have more
 recognition; the two party system needs bucking
 0556 Negative references/liabilities related to Anderson's independent
 candidacy; "he's an independent" (NFS); "we don't need a third
 party"; "he lacks backing from a party" -
 0597 Other candidate party connection reasons

PARTY OR CANDIDATE ~ GOVERNMENT MANAGEMENT

0601 Good/Efficient/Businesslike administration; balance budget;
 lower/wouldn't increase national debt; cautious spending
 0602 Bad/Inefficient/Unbusinesslike administration; wasteful;
 "bureaucratic"; deficit budget; higher/increased national debt;
 overspend
 0603 Honest government; not corrupt; no "mess in Washington"
 0604 Dishonest/Corrupt government; "mess in Washington"; immorality in
 government; reference to Hayes, Mills; Lance
 0605 (Would) Spend less (than other side); (would) spend too little
 0606 (Would) Spend more (than other side); (would) spend too much
 0607 Has brought/Will bring about bureaucratic reform
 0608 Has not brought/Will not bring about bureaucratic reform
 0609 General assessment of fob he/they would do/are doing; is good/bad
 President; prior are providing good/bad administration
 0610 Reference to management/performance in Congress/Supreme
 Court/other government agency
 0611 He has/has not worked well with (Democratic) Congress;
 would/could have done better with (Republican) Congress; he
 kept/would keep Congress in check
 0612 He will work well/better with Democratic Congress
 0613 Gets more done/accomplishes more/more productive
 0614 Gets less done/doesn't accomplish as much/less productive
 0615 Sympathy/understanding expressed for the complexity/magnitude of
 the job (e.g. President): tough job
 0616 Sympathy/understanding expressed for the difficult situation ("a
 mess") inherited by the incumbent

0617 Will face (difficult) issues; faces problems directly; faces up to political reality
 0618 Will not face (difficult) issues; will not face problems directly; ignores political reality
 0697 Other government management reasons

PARTY OR CANDIDATE -- MISCELLANEOUS

0701 Just like him/them (NA why); like everything about him/them; "I was hoping he prior would win the (nomination/primaries)"
 0702 Just dislike/Don't like him/them (NA why); don't like anything about him/them
 0703 Will save America; America needs him/them -
 0704 Will ruin America; last thing America needs
 0705 Will unite Americans/bring people together
 0706 Will divide Americans/drive people apart
 0707 Speaks of party/candidate as good protector(s); will know what to do; more intelligent
 0708 Speaks of party/candidate as bad protector(s); won't know what to do
 0709 Good for country (unspecified); trying to do good job; trying; not just out for self/own best interest; has/have country's interests at heart
 0710 Bad for country (unspecified); don't have country's interests at heart; only looking out for their own interests
 0711 Lesser of two evils
 0719 Reference to Chappaquidick; Kennedy's personal problems
 0720 Reference to Watergate affair
 0721 The way the incumbent came to office; the people should select President
 0722 The incumbent should have a chance (on his own)/another chance/second chance
 0723 (I believe in/Necessary for a)two-party system; choice between candidates; opposition; balances power of other party
 0724 Vote for the man rather than party; look for more qualified man; don't pay attention to parties
 0725 The opponent who the candidate ran against; the candidate was the better of the two in general; the candidate ran against someone I really dislike
 0796 References to unfair/undeserved/excessive criticism by media or public
 0797 Other miscellaneous reasons; other miscellaneous reasons relating to image and candidate/party effect on nation
 0726 Splits votes; will elect wrong candidate, "spoiler"
 0737 Expression of sympathy/admiration for the candidate's underdog position; trying hard against terrible odds, courageous uphill battle; "I like underdogs"; "they are bucking the guy" (Keeping him off ballot, not taking him seriously, not giving him enough publicity)
 0728 Negative comments about the candidate's switching parties, being a turncoat, disloyal to his original party

PARTY OR CANDIDATE -- GOVERNMENT ACTIVITY/PHILOSOPHY

0801 General assessment of ideas/policies/stands (specified)
 0802 Different from other party/candidate
 0803 Same as other party/candidate; not different enough issues (Too negative; always tearing town other site; no solutions of his/they're Cloned
 0805 For government activity; believe government should take care of

things; for big government; supports social programs/spending
(not 905-907)

0806 Against government activity; believe government involved in too many things; favors reduction in social programs/spending (not 905-907)

0807 Humanistic; favor human beings over property rights

0808 Not humanistic; favor property rights over human beings

0809 Favor social change/reform/progress/improvement of social conditions

0810 Against social change/reform/progress/improvement of social conditions

0811 Socialistic

0812 Anti-socialistic

0813 Communistic/soft on Communism/apologist for Communists/dupe

0814 (Too) anti-Communist/hard-liner on Communism

0815 (Too) liberal (except 0531 or 0533)

0816 (Too) conservative (except 0532 or 0534)

0817 Moderate/middle of the road/for slow change; not an extremist/fanatic

0818 Extremist/fanatic/too far out; not too moderate/not a fence-sitter

0819 Pro Far Right/Birchers/reactionaries; encouraging fascist/police state

0820 Anti " " " " ; discouraging

0821 Pro Far Left/radicals/Yippies/SDS; encouraging anarchy/guerilla state

0822 Anti " " " " " ; discouraging

0823 Pro Extremists (NA direction)/nuts/bomb-throwers

0824 Anti " " " " " "

0827 Pro States'/local/Community Rights; better local government

0828 Anti " " " ; worse/weaker local government

0829 For equality; believe everyone should have things equally/be treated equally

0830 Anti-equality; believe some people should have more than others/people should not be treated equally

0831 Generous, compassionate, believe in helping others

0832 Selfish, only help themselves

0833 Acceptance of change/new ideas; less bound to status quo, more open to new ideas/ways of doing things; flexible, innovative

0834 Resistance to change/new ideas; stick to (protect) status quo, resist new - ways of doing things; rigid

0835 Has a well-defined set of beliefs/definite philosophy; does not compromise on principles; has (clear) understanding of goals they stand for

0836 Has poorly defined set of beliefs; lacks a definite philosophy; compromise on principles; has no (clear) understanding of goals they stand for

0837 Favors work ethic; believes in self-reliance/in people working hard to get ahead

0838 Doesn't favor work ethic; believes in people being handed things/in government, handouts (If specific policy mentioned, code in 900's)

0841 Keep track of/control over administration heads, cabinet members, etc.; follow through on policies; determine if programs are working 0842 Don't (as in 0841)

0843 Conditional evaluation: R suggests candidate/party cannot solve problems because not under his/their control (no negative connotations); will he/they be able to do what they say (determining factor outside his/their control); "I like what he says but wonder if he can do it" (if

clearly negative, code in 0122 or 0402)
0845 Will involve/wants to involve people in government/decision
making; will involve/wants to involve
Congress/cabinet/advisors/other government officials
0846 Will not involve people/congress/cabinet/advisors/other
government officials in government/decision making
0847 Separation of church and state/religion and politics--pro
0848 Separation of church and state/religion and politics--anti
0897 Other Government Activity/Philosophy Reasons

PARTY OR CANDIDATE -- DOMESTIC POLICIES

0900 General assessment of domestic ideas/policies/stands
(unspecified)
0901 " of economic policy (unspecified)
0902 Government Economic Control
0903 " -- Pro; we need planned economy; control o
0904 " -- anti; we have too much interference in private enterprise
0905 Welfare/Poverty problems -- NA direction; give-aways
0906 " -- pro government aid/activity
0907 " -- anti government aid/activity; anti give-aways; pro self-help
0908 Social security/Pensions -- NA direction
0909 " -- pro expansion of coverage and/or increase in benefits
0910 " -- anti expansion of coverage and/or increase in benefits;
favoring contraction and/or decrease
0911 Unemployment compensation -- NA direction
0912 " -- Pro expansion in coverage and/or increase in benefits
0913 " -- anti expansion in coverage and/or increase in benefits;
favoring contraction and/or decrease
0914 Aid to education -- NA direction
0915 " -- pro
0916 " -- anti
0917 Aid to parochial schools -- NA direction
0918 " -
0919 " -- anti
0920 Housing -- NA direction
0921 " -- pro more public housing
0922 " -- anti more public housing
0923 Aid/Programs for older people/the aged, Medicare, Medicaid -- NA
direction
0924 " -- pro
0925 " -- anti
0926 Monetary policy
0927 " -- pro loose(r) money; more availability of loans for housing,
cars, etc.; lower interest rates
0928 " -- anti loose(r) money; for tight money; less availability of
loans; higher interest rates
0929 Tax policy -- NA direction
0930 " -- pro lower taxes
0931 " -- anti lower taxes; for higher taxes
0932 " -- pro reform/fairer system/end of loop-holes/write-offs/dodges
0933 " -- anti reform/fairer system/end of
loop-holes/write-offs/dodges
0934 "The Times"/General condition~/Prosperity/The Economy -- better
under him/them
0935 " -- worse "
0936 Inflation/Cost of living -- lower/better under him/them
0937 " -- higher/worse

0938 Wages/Salaries/Income/Employment -- higher better under him/them
 0940 Prices for producers -- higher/better under him/them
 0941 " -- lower/worse " (if farm, see 0943-0945)
 0942 General assessment of farm policy (unspecified)
 0943 Price supports for farmers -- NA direction
 0944 " -- pro higher levels and/or fairer system
 0945 " -- anti higher levels and/or change in system
 0946 Civil rights/Racial justice/Integration/Desegregation/Voting
 rights -- NA direction
 0947 " -- pro
 0948 " -- anti
 0949 Civil liberties/Freedom of expression/First Amendment/Privacy --
 NA direction
 0950 " pro; against snooping. pol. trials, etc.
 0951 ' -- anti// for snooping, pol. trials; etc. McCarthyite
 0952 General assessment of labor policy (unspecified)
 0953 Right to work laws -- NA direction
 0954 " -- pro (i.e., opposes unions (anti-labor, code 1208)
 0955 " - anti (i.e., supports unions (pro-labor, code 1207)
 0956 Strikes -- NA direction
 0957 " -- will have fewer/will handle better
 0958 " -- will have more/will handle worse
 0959 Public power/Utilities/TVA/Atomic Reactors/Nuclear power
 plants/Etc.-- NA direction
 0961 " -- anti
 0962 Ecology: Air and Water Pollution -- NA direction
 0963 "-- will crack down on polluters, will be activist
 0964 " -- won't crack down on polluters; doesn't care; in league with
 polluters
 0965 Veteran's Benefits -- NA direction
 0966 " -- pro expansion of coverage and/or increase in benefits
 0967 "-- anti expansion of coverage and/or increase in benefits;
 favoring contraction
 and/or decrease
 0968 Law and order -- NA direction
 0969 " -- soft line -- unspecified
 0970 " -- " -- blacks
 0971 " -- " -- campus demonstrators
 0972 " -- " -- criminals/organized crime/hoodlums/street crime
 0973 " -- " -- anti power of police; court interference
 0974 " -- hard line -- unspecified
 0975 " -- " -- blacks
 0976 " -- " -- campus demonstrators
 0977 " -- " -- criminals/organized crime/hoodlums/street crime
 0978 " -- " -- pro power of police; reduced court interference
 0979 Public morality -- NA direction
 0980 " -- Strict/older/traditionalistic outlook; improve/renew
 morality of country
 0981 " -- permissive/newer/modernistic outlook
 0982 Drugs -- NA direction
 0983 " -- pro legalization/decriminalization; soft-liner
 0984 " -- anti legalization/decriminalization; hard-liner
 0985 Abortion and birth control -- NA direction
 0986 " -- pro reform/legalization; new outlook
 0987 " -- anti reform/legalization; traditional outlook
 0988 Gun control -- NA direction
 0989 " -- pro controls
 0990 " -- anti; "everyone has the right to own a gun"
 0991 Busing -- NA direction
 0992 " -- pro; against neighborhood school

0993 " -- anti; for neighborhood school
 0994 Urban problem/Cities -- NA direction
 0995 " -- pro government aid/activity
 0996 " -- anti government aid/activity
 0997 Other domestic policy reasons
 1001 National Health Insurance -- NA direction
 1002 " -- pro
 1003 " -- anti
 1004 Energy/Gas shortage -- Development of alternative energy source,
 NA direction
 1005 " -- pro development of alternative energy source, better/handled
 better; more fuel
 1006 " -- anti development of alternative energy source, worse/handled
 worse; less fuel References to nuclear energy should be coded in
 0959
 1007 Government programs to make more jobs -- NA direction; make-work
 programs; CETA; WPA: CCA
 1008 " -- pro
 1009 " -- anti
 1010 Confidence/Trust in government -- NA direction
 1011 " -- would handle better; restore confidence
 1012 " -- would handle worse; cause loss of confidence
 1013 ERA; women's rights -- NA direction
 1014 " -- pro
 1015 " -- anti
 1016 Influx of political/economic refugees (Cubans, Haitians,
 Mexicans, etc.)--NA direction
 1017 Influx of political/economic refugees (Cubans, Haitians,
 Mexicans, etc.)--pro
 1018 " " " " --anti
 1019 School prayer -- NA direction
 1020 " --pro
 1021 " --anti
 1022 Gay rights -- NA direction
 1023 " --pro
 1024 " --anti
 1025 Health -- NA direction
 1026 " --pro government programs/aid for mentally ill, disabled,
 handicapped
 1027 " --anti " " " (except 0923, 0924, 0925)

PARTY OR CANDIDATE -- FOREIGN POLICIES

1101 General assessment of foreign ideas/policies/stands (unspecified)
 1102 Foreign policies more clear-cut/decisive; less bungling - issues
 1103 Foreign policies less clear-cut/decisive; more bungling
 1104 Internationalist/Interested in other countries'
 problems/Interested in world
 role/Pro-UN and allies; meddling in other people 'e problems
 1105 Isolationist/America First/Fortress America/Would meddle less in
 other people's problems
 1106 strong military position/Preparedness/Weapons systems/Pentagon
 spending/Overkill
 1107 Weak military portion/Pentagon spending cutbacks/No
 overkill/Reduce armed forces
 1108 Cold-war oriented; opposes detente; international
 Communist-fighter
 1109 Against cold war/Wants thaw/Detente/Understanding with
 international communists
 (if NA whether international, code in 0813-0814)

1110 Military aid to allies -- NA
1111 " -- pro
1112 " -- anti
1113 Economic aid/Foreign aid/AID/Non-military aid -- NA direction
1114 " -- pro
1115 " --
1118 Mideast -- _ direction; any references to oil embargo; boycott of
companies -- dealing with Israel
1119 " -- handle better/more experience; positive comments about
Arab-Israeli peace treaty
1120 " -- handle worse/less experience; negative comments about
Arab-Israeli peace treaty
1121 " -- pro-Israel/anti-Arabs
1122 " -- anti-Israel/pro-Arabs; wishy-washy on Israel
1123 Red China -- NA direction
1124 " -- handle better/more experience/doing well, better
1125 " -- handle worse/ less experience/doing poorly
1126 " -- pro understanding/thaw/detente/new
relationships/recognition/ admission to UN
1127 " -- anti understanding/thaw/detente/new
relationships/recognition/
admission to UN; defender of Formosa/Chaiang Nationalists
1128 Russia -- NA direction
1129 " -- handle better/more experience
1130 " -- handle worse/less experience
1131 " -- pro understanding/thaw/detente/broadening of relations; SALT
II
1132 " -- anti understanding/thaw/detente/broadening of relations; SALT
II
1133 Eastern Europe -- NA direction
1134 " ~ handle better/more experience
1135 " -- handle worse /less experience
1136 " -- pro defense of Iron-Curtain countries
1137 " ~ anti defense of Iron-Curtain countries
1138 Latin America -- NA direction
1139 -- handle better/more experience
1140 " handle worse /less experience
1141 "-- pro-third-world Mature; reach understanding with Castro/Chile/
neutrals; anti-colonialism/European power
1142 "-- anti-third-world posture; hard
anti-communism/anti-revolutionary
policy; pro-colonialism/European powers
1143 Africa -- NA direction
1144 " -- handle better/more experience
1145 -- handle worse /less experience
1146 -- pro-third-world posture; reach understanding with
leftists/neutrals;
anti-colonialism/European powers
1147 -- anti-third-world posture; hard
anti-communism/anti-revolutionary policy;
pro-colonialism/European powers
1148 Asia/India -- NA direction
1149 " -- handle better/more experience
1150 " -- handle worse /less experience
1151 " -- pro India/Bangladesh
1152 " -- pro Pakistan
1157 Vietnam/Indochina/Southeast Asia -- NA direction
1158 " -- better chance for peace
1159 " -- poorer chance for peace; failed to end war
1160 " -- pro military victory/preservation of Saigon regime

1161 " -- anti military victory/willing to sacrifice Thieu/Ky favoring
withdrawal
1163 -- will bring Policy change (unspecified)
1116 Trouble spots (not specifically coded)-- would handle better

(Panama) (Afghanistan)

1117 -- would handle worse (Panama) (Afghanistan)
1153 Would raise American Prestige
1154 Would lower American prestige, not maintain American prestige
1155 Would have better chance for Peace (unspecified); not get us into
trouble abroad
1156 Would have poorer chance for peace (unspecified); get Us into
war/trouble abroad
1164 Tariffs -- NA direction
1165 " -- pro free trade/reduced tariffs; would not protect US labor
from foreign competition
1166 " -- anti free trade; for high tariffs; would protect US labor
from foreign competition
1167 Trade with communists ~ NA direction
1168 " - pro
1169 " -- anti
1170 Draft -- NA direction
1171 " -- pro volunteer army/abolition of peacetime draft
1172 " -- anti volunteer army; for peacetime draft
1173 " -- pro amnesty/pardon
1174 " -- anti amnesty/draft dodgers/pardon
1178 Amnesty -- NA direction
1175 POW-MIA -- Will Bet prisoners back, will not abandon them
1176 POW-MIA -- Will not Ret prisoners back, will abandon them
1177 POW-MIA -- _ direction
1179 Did a good job of getting the boys/country out of Vietnam war; got
us out of Vietnam
1180 Should have won Vietnam war; gave too much away and then pulled
out
1181 Kissinger's foreign policy; secrecy; shuttle diplomacy -- NA
direction
1182 " -- pro
1183 " -- anti
1184 Military/Defense position/spending -- NA direction or neutral(not
1106, 1107)
1185 Priorities in military/defense spending(not reduction or increase
but allocation of existing defense budget--pro)
1186 Priorities in military/defense spending;(not reduction or increase
but allocation of existing defense budget ~ anti)
1187 Iranian crisis; American hostages - NA direction
1188 " " - has handled well/would handle better
1189 " .. - has handled poorly/would handle worse
1190 Nuclear freeze/Disarmament--NA direction
1191 " " --pro
1192 " " --anti
1197 Other foreign policy reasons

PARTY OR CANDIDATE - GROUP CONNECTIONS

1201 Special interests/Privileged people/Influential people -- pro
1202 " -- anti
1203 "People like me" -- pro -
1204 " -- anti } NA whether 1205, 1206

1205 Common man/People/Little people/Working people -- pro
 1206 " -- anti
 1207 Labor/Unions/Labor bosses/Racketeers -- pro
 1208 " -- anti
 1209 Big Business/Corporate rich/The rich individuals/People with
 power/Wall Street/Industry/Upper classes -- pro
 1210 (As 1209) -- anti
 1211 Small businessman -- pro
 1212 " -- anti
 1213 White collar workers/Salaried people/Middle class -- pro
 1214 " -- anti
 1215 Farmers/Country people -- pro
 1216 " -- anti
 1217 Blacks/Black people/Negroes -- pro
 1218 " -- anti
 1219 People on welfare/ADC mothers/"Chiselers" - pro
 1220 "-- anti
 1221 Old people/Senior citizens -- pro
 1222 " -- anti
 1223 Young people/Kids/"Freaks"/Hippies -- pro
 1224 " -- anti
 1225 Women/Feminists/Women's Liberationists -- pro
 1226 " -- anti
 1227 Veterans/Servicemen -- pro
 1228 " -- anti
 1229 Ethnic or racial group (except 1217-1218); Minority groups (NA
 composition) -- pro
 1231 Section of the country -- pro
 1232 " -- anti
 1233 Poor people/needy people -- pro
 1234 " " -- anti
 1235 Civil servants - pro
 1236 Civil servants -- anti
 1297 Other group connection reasons

MISSING DATA CODES

9001 R has been influenced by spouse
 9002 R has been influenced by someone else
 9996 Refused to say
 9997 Other miscellaneous
 9998 DK
 9999 NA
 0000 Inap, no further mentions

□

>> 1982 IMPORTANT PROBLEM CODE

SOCIAL WELFARE PROBLEMS

001. General reference to domestic issues
 005. POPULATION; any mention of population increase; reference to
 over-population/birth control
 045. PRO-ABORTION
 046. ANTI-ABORTION
 049. Other specific references to abortion
 010. UNEMPLOYMENT; general reference to employment/unemployment;
 compensation; job retraining, etc.

- 011. For increased unemployment compensation; more or better job retraining; aid to depressed economic areas; government creation of jobs
- 012. Against (increased) unemployment compensations; less job retraining; no government creation of jobs
- 019. Other specific references to employment/unemployment (no` : 200's)
- 020. EDUCATION; general reference to financial assistance for schools/colleges; quality of education
- 021. For (increased) aid to education, financial assistance to schools and/or colleges; need for improved school materials; need for better teachers/education
- 022. Against aid to education
- 029. Other specific reference to education
- 030. AGED/ELDERLY; general reference to aged; social security; medicate, medical care for the aged; administration of social security
- 031. For (increased) assistance to the aged; increased social security; for government supported medical care for the aged, "medicate"
- 032. Against (increased) assistance to the aged; against additional social security; anti-"medicare"
- 039. Other specific references to the aged
- 040. HEALTH PROBLEMS; general reference to quality of care; COST OF MEDICAL CARE; medical research, training of doctors and other health personnel; hospitals; National Health Insurance
- 041. For increased (government supported) quality of care; more medical research and training of related personnel; for National Health Insurance
- 042. Against (government) supported medical care, National Health Insurance, etc.
- 043. MENTAL HEALTH care/facilities/problems - (all references)
- 048. Other specific references to health problems
- 050. HOUSING; general reference (not 054)
- 051. For (additional) legislation/expenditure on housing (not 055)
- 052. Against (additional) legislation/expenditures on housing (not 056)
- 054. URBAN RENEWAL/PLANNING; general reference to ghettos, slums, urban blight; model cities programs; include general reference to "urban problems"; (mass transit code 480)
- 055. For urban renewal; model cities program; rent subsidies, etc.
- 056. Against urban renewal; model cities program, rent subsidies, etc.
- 059. Other specific reference to housing and urban problems
- 060. POVERTY; general reference to poor/underprivileged people; welfare programs (such as ADC), general reference anti-poverty programs
- 061. For (additional) welfare assistance (for help, education/Jobs for the poor) (except 063)
- 062. Against additional welfare assistance (except 064)
- 063. For (additional) welfare assistance specifically to blacks and other minority groups
- 064. Against (additional) welfare assistance specifically to blacks and other minority groups: INDIANS, MEXICAN-AMERICANS, CHICANOS, PUERTO RICANS etc.
- 069. Other specific references to poverty
- 090. SOCIAL WELFARE PROBLEMS; vague or general reference to other social welfare problems; (except 091 and 092) or other specific reference; "welfare"
- 091. For general or other social welfare programs; "we need to help people more"
- 092. Against general or other social welfare programs; "too many give away programs for the people who don't deserve it"

AGRICULTURE Problems

- 100. FARM ECONOMICS; general reference to payment for crops, price of feed, cost of farming, etc.; cattle kill
- 101. Too much being Paid to farmers for crops (not 400)
- 102. Too little being Paid to farmers for crops (not 400)
- 103. For SUBSIDIES/crop payments/sld to farmers
- 104. Against subsidies/crop payments/aid to farmers
- 109. Other specific references to farm economics (including mention of unfavorable economic consequences to farmers from embargo of grain sales/shipments to Russia)
- 120. WORLD FOOD PROBLEMS; general reference to food shortages/starvation/famine (not 406,407)
- 121. For (SURPLUS FOOD DISPOSAL; providing food to other countries; food programs)
- 122. airts; shouldn't provide food to other countries; food programs
- 129. Other specific references to surplus food distribution
- 140. FARM LABOR SUPPLY; general reference to supply of migrant labor
- 141. For increased migrant agricultural labor
- 142. Against increased migrant agricultural labor
- 145. Other specific reference to farm labor supplies
- 147. Other (specific) reference to NON-ECONOMIC FARM PROBLEMS/PROGRAMS (not dealing with* economics)
- 148. Generally for other specific farm/agricultural programs/legislation/expenditures
- 149. Generally against other specific farm/agricultural programs/legislation/expenditures

NATURAL RESOURCES

- 150. CONSERVATION OF NATURAL RESOURCES; general reference to conservation, ecology; the environment in general
- 151. For conservation programs; additional legislation for controlling pollution, water and air; in favor of legislative solutions for environmental problems
- 152. Against (additional of increased) conservation programs; against legislation for controlling water and air pollution; against legislative of forced solutions for environmental problems
- 153. Pollution (no specific program mentioned, not codeable in 151, 152)
- 154. Disposal of radioactive west (dumps, landfills)
- 159. Other specific references to conservation/natural resources (not 160-169)
- 160. DEVELOPMENT OF NATURAL RESOURCES; general reference to harbors, dams canals, irrigation, flood control, navigation, reclamation; location, mining, stock-piling of minerals; water power, atomic power; development of alternative sources of energy(includes mentions of solar or nuclear power)
- 161. For the DEVELOPMENT OF NATURAL RESOURCES (not 151); need to develop alternative sources of energy(includes mentions of solar or nuclear power)
- 162. Against (additional or increased) DEVELOPMENT OF NATURAL RESOURCES; high cost of development of natural resources to the environment (not 152); against programs to develop alternative sources of energy(includes mentions of solar or nuclear power)
- 169. Other specific reference to the development of natural resources
- 190. Other specific reference to other natural resources problems
- 191. For other specific (additional) natural resources programs/legislation

192. Against other specific (additional) natural resources
legislation/programs

LABOR PROBLEMS: UNION-MANAGEMENT RELATIONS

200. LABOR/UNION PROBLEMS; general reference to union practices
 201. Anti-Union; protection of workers from unions, right to work laws:
democracy in unions; elimination of racketeers/communists in
unions; financial accountability of union officials; anti-union
legislation
 202. SUPPORT OF UNIONS; vis a vis employers; freedom to strike;
permission for closed shop; pro-union legislation (except 204)
 203. For "United Farm Workers"; "Anti Teamsters"
 204. For protection of migrant laborers (except 141, 142)
 205. Against protection of migrant laborers (except 141, 142)
 209. Other specific reference to labor/union problems
 210. (ARBITRATION OF) LABOR MANAGEMENT DISPUTES; ger. rat reference to
strikes/ walkouts, binding arbitration
 211. For arbitration of labor management disputes; central prevention of
strikes/ binding arbitration
 212. Against arbitration of labor management disputes; in favor of
strikes (as tactic)
 219. Other specific reference to (arbitration of) labor management
disputes
 220. Anti-union; unions too powerful
 290. Other specific references to labor problems
 291. For other specific proposals/programs/legislation central to
union management relations
 292. Against other specific proposals/programs/legislation central to
union management relations

RACIAL PROBLEMS

300. CIVIL RIGHTS/RACIAL PROBLEMS general or vague reference in which
R's personal perspective is unclear; NA R's. perspective
 301. Protection (EXPANSION) OF CIVIL RIGHTS OF BLACKS; housing
integration; fair employment practices; right to vote; fair
treatment by police
 302. PROTECTION (expansion) OF WHITE MAJORITY; maintenance of
segregation; right to choose own neighborhood; right to
discriminate in employment
 303. Protection (EXPANSION) OF CIVIL RIGHTS TO OTHER (or all) MINORITY
GROUPS
 304. Discrimination against whites; preferred treatment given to
minorities
 310. BUSING; general reference
 311. PRO-BUSING; school integration
 312. ANTI-BUSING; maintenance of segregated schools
 317. Other specific reference to civil rights/racial problems
 318. For other specific programs/proposals/legislation for
(extending)civil rights
 319. Against other specific programs/proposals/legislation for
(extending) civil rights

PUBLIC ORDER PROBLEMS

330. WOMEN'S RIGHTS/LIBERATION; general reference
 331. Pro-Women's rights/liberation; for ERA
 332. Anti-Women's rights/liberation; against ERA

- 339. Other specific references to women's rights/liberation
- 350. CIVIL LIBERTIES; general reference to rights of accused, freedom of speech etc.
- 351. For (expansion of) civil liberties/rights of accused/freedom of speech, etc.
- 352. Against (expansion of) civil liberties/rights of accused/freedom of speech
- 340. CRIME/VIOLENCE; general reference to crime
- 362. Too much crime; streets aren't safe; mugging, murder, shoplifting
- 343. JUVENILE DELINQUENCY; any mention (not 320's or 383)
- 359. General or specific references to human rights; "discrimination" -- put codeable in 300-304, 330-339)
- 360. LAW AND ORDER; general reference to law/police enforcement (see also 369)
- 361. For greater law/police enforcement
- 362. Against police brutality, police state, wiretapping, etc.
- 363. Against PROTEST/DEMONSTRATIONS; violence in the streets (except 364)
- 364. Against STUDENT DISORDERS, DISTURBANCES; riots on campus
- 365. In favor of LEGALIZED GAMBLING; legal control of gambling; gambling (NA direction)
- 366. Against GAMBLING; against legal/legislative control of gambling
- 367. Against unregistered ownership of guns; legislative control of guns; "CONTROL OF GUNS"
- 368. For gun ownership; right to have guns; against gun control
- 320. NARCOTICS; general reference to drugs; drug addiction; pep pills, LSD, MARIJUANA
- 321. Against use of narcotics, LSD, Marijuana, alcohol, etc.
- 322. For legalizing marijuana; for controlled use of narcotics, LSD, etc.
- 329. Other specific mention of narcotics/drugs/alcohol etc.
- 369. Specific mention of "law and order"
- 370. General mention of extremist groups; terrorists; terrorist bombings; terrorist hijackings; political subversives; revolutionary ideas/approaches, NA direction
- 372. Against extremist groups; terrorists; subversives (except 373, 374)
- 373. Against Arab terrorists; PLO
- 374. Terrorist hijacking
- 395. Control of (internal)communist threat; Communists
- 379. Other specific mention of terrorist groups/subversives
- 380. General mention of MORAL/RELIGIOUS DECAY (of nation)
- 381. Family problems -- divorce; proper treatment of children; decay of family
- 383. YOUNG PEOPLE (except 361); general reference to drinking (except 321), sexual freedom, discipline, mixed-up thinking, "hippies"; communication with young, etc.
- 390. Other specific reference to public order problems

ECONOMIC AND BUSINESS PROBLEMS

If R mentions both "Inflation" (400) and rise in prices of specific items (407-409) in F52 code "Inflation" (400). (see also 496)

- 400. INFLATION; general reference to inflation; high prices; high cost of living
- 401. For wage and/or price guidelines; wage and/or price controls, freezing prices; control of business profits
- 402. Against wage and/or price controls; against control of business profits
- 403. High price of food, all mentions (except 100)

- 404. High price of other specific items and services
- 405. MINIMUM WAGE; any mention; any mention of wage levels
- 406. SHORTAGES -- general reference (except 120); NA what; phony shortages; people wasteful
- 407. Food shortages; economic aspects of food shortages e.g. price of sugar (other references code 120)
- 408. Fuel shortages; 'energy crisis'; oil companies making excessive profits
- 409. Other specific references to shortages
- 410. RECESSION, DEPRESSION; general reference, prosperity of the nation, economic growth
- 411. MONETARY RESTRAINTS/CONTROLS; general reference to interest rates, etc.
- 412. For loosening of monetary restraints; for lowering interest rates
- 413. Against loosening of monetary restraints; high interest rates
- 414. For (increased) government spending; other (specific) government stimulation of the economy e.g. work programs (not 412)
- 415. Against (increased) government spending; balancing of the (national) budget, against government stimulation of the economy
- 416. TAXES; general reference to tax structure; tax surcharge (NA R's DIRECTION); other specific tax reference
- 417. For tax cuts; against tax surcharge
- 418. Against tax cuts; for tax surcharge
- 419. Other specific references to recession/depression; other specific references to monetary/fiscal controls
- 420. CONSTRUCTION/HOUSING; all references to housing starts, construction costs, etc.
- 421. Business profits are (too) high
- 422. Business profits are not (too) high
- 423. Prices are declining, wholesale or retail -- any mention; optimistic economic indications
- 424. Increased productivity of American industry; "a days work for a days pay"; revitalize American industry
- 425. STOCK MARKET/GOLD PRICES; all references to gold prices, stock breakers, stock fluctuations, etc.
- 426. Gold outflow; control of foreign investments made by U.S. companies/citizens
- 427. Devaluation of the dollar
- 430. ANTI-TRUST LAWS PROTECTION OF SMALL BUSINESSES; general reference to anti-trust laws/legislation
- 431. For (increased) prosecution under anti-trust laws; protection of small businesses from discount houses, chains, large corporations; fair trade laws
- 432. Against prosecution under anti-trust laws; (additional) control of business, stifling of individual initiative/free enterprise
- 433. Large businesses taking over small businesses
- 434. Small businesses holding their own
- 439. Other specific references to Anti-Trust laws/legislation
- 440. Class oriented economic concerns -- middle class, working class (pro); MIDDLE CLASS GETTING SQUEEZED
- 441. Class oriented economic concerns ~ big business, monied interests (anti); too powerful
- 442. Concern for inequitable distribution of wealth
- 450. TREND TOWARD SOCIALISM; general reference - NA R's direction
- 451. For the regulation of interstate commerce, transportation; air travel, railways, government auto safety regulations; in favor of increased government regulation of business
- 452. Against (increased) regulation of interstate commerce, transportation; AIR TRAVEL, RAILWAYS, ETC.

- 453. For the regulation of communication; government control of content of the media; control of media channels
- 454. Against the regulation of communication; control of content of the media; control of media channels
- 459. Other specific references to government control, trends toward socialism
- 460. IMMIGRATION POLICY; general reference
- 461. For immigration policy; against open immigration
- 462. Immigration policies for open immigration, relaxation of immigration quotas
- 463. Problems relating to the influx of political/economic refugees (Cubans, Haitians, Mexicans, etc.)
- 469. Other specific references to immigration policies
- 490. Other specific references to economic problems
- 491. Economics- general; "Economics" NFS
- 492. International economics -- general
- 493. U.S. foreign trade, balance of payments position; foreign oil dependency
- 496. The economy-not further specified (code specific mention if R clarifies by saying "inflation", etc.; also see 400)

Code 496 was added due to the great increase in the number of unqualified responses of --"the economy". In past studies such non-specific responses, far fewer in number, were* assumed to be references to the inflation problem and were coded as 400.

- 494. Control of foreign investment in US; limitation of foreign imports; restriction on foreign car imports; general reference to problems of automobile industry

CONSUMER PROTECTION 1

- 470. CONSUMER PROTECTION; general reference
- 471. For (increased) CONSUMER PROTECTION LEGISLATION; truth in labeling, packaging, lending; control of medicines; poisons, harmful products; no fault insurance
- 472. Against (increased) CONSUMER PROTECTION LEGISLATION; etc.
- 474. SAFETY; general reference to consumer safety
- 475. For (increased) AUTO, highway, airplane SAFETY
- 476. Against (increased) legislative AUTO, highway, airplane safety
- 479. Other specific references to consumer protection/safety
- 480. MASS TRANSPORTATION; general reference
- 481. F (increased) mass transportation; mass transportation legislation/expenditures
- 482. Against (increased) legislation/expenditures for mass transportation
- 483. Control of public utilities; utility rates
- 484. Roads, highways, bridges; general unspecified transportation
- 489. Other specific references to mass transportation
- 495. Other specific consumer protection problems

FOREIGN AFFAIRS

- 500. FOREIGN RELATIONS/FOREIGN AFFAIRS; general reference to foreign relations/affairs, prestige abroad
- 505. Relations with WESTERN EUROPE; Great Britain, France, Germany; our allies - general mention
- 506. For better relations with Western Europe
- 507. Against better relations with Western Europe
- 509. Other specific references to Western Europe

- 510. VIETNAM; general reference to "the war", Indochina, Cambodia; aid
- 511. For (increased) aid to Indochina, Vietnam, Cambodia
- 512. Against (increased) aid to Indochina, Vietnam, Cambodia
- 513. CUBA; any references
- 514. Latin America, South America - any references
- 515. Iran; mention of American hostages in Teheran
- 516. African countries; developing areas in Africa (not 518) any mention
- 517. Asian countries - any mention (not 510, 520)
- 518. Turkey/Greece
- 519. Other foreign countries/areas/specific trouble spots (except 520's, 530's)
- 520. COMMUNIST CHINA; general references
- 521. For peaceful relations with Communist China; increased aid/trade with Communist China
- 522. Against a policy of peaceful relations with Communist China; against increased aid/trade with Communist China
- 529. Other specific reference to Communist China
- 524. MIDDLE EAST-general reference, including Arab/Israeli conflict & Iran-Iraq War (not 518, 525, 526 or 527)
- 525. Support of policy favoring Israel; increased aid to Israel; against support of Arab states
- 526. Support of policy favoring the Arab states; increased aid to Arab states; against (increased) support of Israel
- 527. Mention of other problems or specific country in the Middle East (not 524-526, or 518)
- 530. RUSSIA; general reference to Russia(USSR), Eastern Europe, detente
- 531. For PEACEFUL RELATIONS with Russia/Detente/Eastern Europe; for increased TRADE with Russia
- 532. Against policy of Detente with Russia; COLD WAR; threat of external Communism
- 533. Prevention of Russian (Communist) Expansion; mention of Soviet invasion and occupation of Afghanistan - any reference
- 539. Other specific references to Russia/Detente/Eastern Europe; etc. (including changing site/boycotting 1980 Moscow Olympics)
- 540. FIRMNESS IN FOREIGN POLICY; any reference to maintenance of position of MILITARY/DIPLOMATIC STRENGTH (except 551; not 710-712)
- 550. U.S. FOREIGN (MILITARY) INVOLVEMENT/COMMITMENT, general reference to extent of U.S. Foreign involvement; military assistance/aid (except 510 and 524)
- 551. For increased foreign (military) involvement; for increased (military) commitment (except 511, 525, 526, 540);
- 552. Against increased foreign involvement; against increased (military) commitment (except 512, 525, 526)
- 559. Other specific reference to Foreign Military Involvement/Commitment
- 560. U.S. FOREIGN (ECONOMIC) INVOLVEMENT/COMMITMENTS; general reference to extent of U.S. (foreign) economic aid
- 561. For (increased) U.S. ECONOMIC INVOLVEMENT; foreign economic aid programs; "foreign aid" (except 520's)
- 562. Against (increased) U.S. economic involvement; foreign economic aid programs; "foreign aid"
- 569. Other specific reference to U.S. (economic) foreign aid
- 570. Prevention of war; ESTABLISHMENT OF PEACE; any reference
- 580. General reference to relation with the UNITED NATIONS
- 581. For the United Nations
- 582. Against (increased) support of United Nations
- 585. Obligation to TAKE CARE OF PROBLEMS AT HOME before helping foreign countries
- 590. Other specific foreign affairs problems/items

- 700. NATIONAL DEFENSE; general reference, defense budget
- 710. DISARMAMENT; general reference to ENDING OF THE ARMS RACE; nuclear proliferation; test ban treaty (not 540); SALT
- 711. For DISARMAMENT; for extension of test ban treaty; support toward ending of arms race; against (additional) expenditures on military/arms development; SALT
- 712. Against (increased) policy of DISARMAMENT; against test ban treaty; for additional WEAPONS DEVELOPMENT; missile program; scientific/technological development in weapons/strategy; atomic bomb testing; increased DEFENSE BUDGET, increased arms expenditure (not 540); SALT; increased pay for military personnel
- 713. General or specific references to functioning and performance of defense; waste, inefficiency, not codeable in 710-712
- 719. Other specific reference to the Arms race/disarmament
- 730. General reference to THE DRAFT; selective service system; universal conscription
- 731. For reinstatement of the draft
- 732. Against reinstatement of the draft
- 734. AMNESTY; general reference to amnesty for draft dodgers/Ford's Plan
- 736. Against amnesty for draft dodgers/Ford's Plan
- 739. Other specific reference to amnesty for draft dodgers/Ford's Plan
- 740. SPACE RACE; any mention
- 750. MORALE OF NATION; Patriotism; National spirit; national unity; greed, selfishness of people
- 760. BENEFITS FOR VETERANS; general reference
- 761. For (increased) benefits for veterans
- 762. Against (increased) benefits for veterans
- 769. Other specific references to benefits for veterans
- 770. Influence of-military; Civilian control of military; defense management - any mention
- 790. Other specific national defense items

ISSUES RELATING TO THE FUNCTIONING OF GOVERNMENT

- 800. POWER OF THE (FEDERAL) GOVERNMENT; general reference, NA specifically
- 805. GOVERNMENT CONTROL OF INFORMATION; SECRECY; news management; over classification of information - any mention
- 810. (LACK OF) HONESTY IN GOVERNMENT; (LACK OF) ETHICS IN GOVERNMENT general reference (except 811)
- 811. LACK OF PERSONAL ETHICS/morality of persons related to/or part of government
- 815. (news) Media bias; slanting/twisting of the news
- 819. Other specific reference to honesty/ethics in government
- 820. CAMPAIGN DONATIONS/PUBLIC FINANCING OF ELECTIONS; any mentions
- 830. CONFIDENCE/TRUST in political leaders/system - general reference
- 831. Increased confidence/trust in political leaders/system, wisdom, ability, general representativeness of political leaders, congressmen, Supreme Court
- 832. Decreased confidence/trust in political leaders/system; little wisdom, ability, general representativeness of political leaders, congressmen, Supreme Court, need for better politicians/political system
- 833. QUALITY/EFFICIENCY; general reference to the quality of public employees, diplomats, civil service, GOVERNMENT BUREAUCRACY: COST OF GOVERNMENT
- 834. Increased quality/efficiency of public employees, diplomats, civil

- service; need for large government bureaucracy; increase cost of government
835. Decreased quality/efficiency of public employees, diplomats, civil service; decrease government bureaucracy: decrease cost of government
836. COMPENSATION; all references to the compensation of government employees, officials, congressmen, judges, local politicians/bureaucrats
837. Waste in government spending; keeping tabs on where money goes
840. SIZE OF FEDERAL GOVERNMENT; general reference to the (large) size of government/civil service/bureaucracy
841. For a more powerful (federal) government; less state rights; increased centralism
842. Against (increased) power of the (federal) government; more states rights; federal government is too powerful vis a vis states
849. Other specific references to the size of the government vis a vis states
850. POWER OF THE EXECUTIVE OFFICE; Power of the president - general reference
851. ~ power
852. Against (greater) presidential power
853. POWER OF CONGRESS - general reference
854. For (increased) Congressional power; congress should do more, take more initiative
855. Against (increased) Congressional power
856. POWER OF THE SUPREME COURT, all other references to the Supreme Court except 857, 858
857. For (increased) role by the Supreme Court
858. Against (increased) role by the Supreme Court
859. Other specific references to the (federal) balance of power
860. APPORTIONMENT; general reference to problems of representation
861. Need for reapportionment; under representation of cities/suburbs
862. FAIR ELECTION PROCEDURES; prevention of vote manipulation; curbing of political "bosses", smear campaigns
869. Other specific references to problems of representation
870. CAPABILITY/OTHER QUALITIES (pertaining to the representativeness) OF POLITICAL LEADERS, congressmen, judges (except Watergate)
871. Government/politicians catering to special/pressure groups; lack of devotion to general welfare; LACK OF SERVICE TO ALL THE PEOPLE; lobbying; lobbyist
872. PRESIDENT REAGAN; general reference to REAGAN's style/quality
873. Pro-Reagan comments, complimentary comments regarding quality and style of the president
874. Lack of support for Reagan; any anti-Reagan comments, negative reference REAGAN's quality, style, etc.
875. Incumbent Congressman: mentions relating to appraisals of incumbents performance or experience (including voting record, seniority, experience)
876. Mentions relating to candidate differences rooted in personal qualities, party affiliations or ideological positions
879. Other specific references to quality of political leaders
880. DEMOCRATIC LANDSLIDE; all references to unequal representation of parties/ constituents in congress
881. New president/New administration getting started; other references specific to the President
882. Issues pertaining to the district economy; federal spending in the district, in general or for specific projects
885. PUBLIC APATHY/disinterest - all references
886. Getting people (back) together; unity of our people
890. Other specific issues relating to the functioning of government

WATERGATE Problems

- 950. WATERGATE/TAPES; general reference to Watergate except 951-957
- 951. Against government allocation of time/money for Watergate issues;
trial too much time spent on Watergate
- 952. For the expose on Watergate/trial; get to the bottom of Watergate
- 954. NIXON PARDON; general mention of Ford's pardon of Nixon
- 955. Against Nixon's parson
- 956. For Nixon' B pardon

- 959. Other specific Watergate mentions

NON-POLITICAL PROBLEMS

- 995. "There were no issues;" "there were no issues, just party politics"
- 996. "There was no campaign in my district"
- 997. Other
- 998. DK
- 999. NA
- 000. Inap, no further mention; no problems

□

>> 1982 STATE AND COUNTRY CODE

UNITED STATES

New England

- 101. Connecticut
- 102. Maine
- 103. Massachusetts
- 104. New Hampshire
- 105. Rhode Island
- 106. Vermont
- 109. General mention of area; two or more states in area

Middle Atlantic

- 111. Delaware
- 112. New Jersey
- 113. New York
- 114. Pennsylvania
- 118. General mention of area; two or more states in area
- 119. East; mention of states in both New England and Middle
Atlantic areas

East North Central

- 121. Illinois
- 122. Indiana
- 123. Michigan
- 124. Ohio
- 125. Wisconsin
- 129. General mention of area; two or more states in area

West North Central

- 131. Iowa
- 132. Kansas
- 133. Minnesota
- 134. Missouri
- 135. Nebraska
- 136. North Dakota
- 137. South Dakota
- 138. General mention of area; two or more states in area
- 139. Midwest; mention of states in both East North Central and
West North Central

areas

Solid South

- 141. Alabama
- 142. Arkansas
- 143. Florida
- 144. Georgia
- 145. Louisiana
- 146. Mississippi
- 147. North Carolina
- 148. South Carolina
- 149. Texas
- 140. Virginia
- 157. General mention of area; the South; two or more states in area Border States
- 151. Kentucky
- 152. Maryland
- 153. Oklahoma
- 154. Tennessee
- 155. Washington, D.C.
- 156. West Virginia
- 158. General mention of area; two or more states in area
- 159. South; mention of states in both Solid South and Border States areas

Mountain States

- 161. Arizona
- 162. Colorado
- 163. Idaho
- 164. Montana
- 165. Nevada
- 166. New Mexico
- 167. Utah
- 168. Wyoming
- 169. General mention of area; two or more states in area

Pacific States

- 171. California
- 172. Oregon
- 173. Washington
- 178. General mention of area; two or more states in area
- 179. West; mention of states in both Mountain States and Pacific

States areas

External States and Territories

- 180. Alaska
- 181. Hawaii
- 182. Puerto Rico
- 183. American Samoa, Guam
- 184. Panama Canal Zone
- 185. Trust Territory of the Pacific Islands
- 186. Virgin Islands
- 187. Other U.S. Dependencies, reference to Two or More States from Different Regions of the U.S.; or NA which State
- 191. Northeast and South (New England or Middle Atlantic and Solid~South or Border State=)
- 192. Northeast and Midwest (New England or Middle Atlantic and East North Central or West North Central)
- 194. West (Mountain States or Pacific States) or Midwest
- 195. West and South (Solid South or Border States)
- 196. Midwest and South
- 198. Lived in 3 or more regions (NA whether lived in one more than the rest)

199. United States, NA which state
WESTERN HEMISPHERE (except U.S.)
- North America
- 201. North America (except U.S.) comb. Canada, Mexico, and/or Central America)
 - 207. Canada - ancestry of Anglo-Saxon origin
 - 208. Canada - ancestry of French origin
 - 209. Canada - NA origin or other origin
 - 219. Mexico
 - 229. Central America
- West Indies (except Puerto Rico and Virgin Islands)
- 231. Barbados
 - 232. Cuba
 - 233. Dominican Republic
 - 234. Haiti
 - 235. Jamaica
 - 236. Netherlands Antilles
 - 237. Trinidad and Tobago
 - 238. Islands of Lesser Antilles - except Virgin Islands and Netherlands Antilles
 - 239. West Indies (except Puerto Rico and Virgin Islands) or "Caribbean" - reference to two or more West Indian countries
- South America
- 259. South America, South American country or countries British Isles
- Western Europe
- 301. England
 - 302. Ireland (NA North or South); southern Ireland
 - 303. Scotland
 - 304. Wales
 - 305. North Ireland (Ulster)
 - 306. Scot-Irish
 - 308. United Kingdom, Great Britain
 - 309. "British Isles"; General mention of area - reference to two or more countries of the British Isles
 - 310. Austria
 - 311. Belgium
 - 312. France
 - 313. Federal Republic of Germany (W. Germany)
 - 314. German Democratic Republic (E. Germany)
 - 315. Germany - NA East or West
 - 316. Luxembourg
 - 317. Netherlands; Holland
 - 318. Switzerland
 - 319. "Western Europe"; general mention of area - reference to two or more countries of Western Europe Scandinavia
 - 321. Denmark
 - 322. Finland
 - 323. Norway
 - 324. Sweden
 - 325. Iceland
 - 328. General mention of area of Western Europe and/or Scandinavia and/or British Isles and/or Mediterranean countries and/or Greece; reference to two or more countries in different areas listed
 - 329. "Scandinavia"; general mention of area - reference to two or more Scandinavian countries
- Eastern Europe
- 331. Czechoslovakia (Slovak)

- 332. Estonia
- 333. Hungary
- 334. Latvia
- 335. Lithuania
- 336. Poland
- 337. Russia (or USSR)
- 338. Ukraine
- 339. "Eastern Europe"; general mention of area - reference to two or more countries of Eastern Europe
- Balkan Countries
 - 341. Albania
 - 342. Bulgaria
 - 343. Greece
 - 344. Rumania
 - 345. Yugoslavia
 - 348. General mention of area - reference to two or more Balkan countries
 - 349. "Balkans"; general reference of area - reference to countries in Eastern Europe and Balkan Countries
- Mediterranean Countries
 - 351. Italy
 - 352. Portugal
 - 353. Spain
 - 354. Malta or Gogo
 - 399. "EUROPE"; general mention of area - reference to two or more countries of Europe in different areas
- ASIA (except Near East)
 - 401. Afghanistan
 - 404. India
 - 405. Pakistan
 - 428. Southeast Asia - Indochina, Thailand, Malaysia, Burma, Philippines, Indonesia
 - 431. China (Mainland)
 - 432. Taiwan, Formosa
 - 451. Japan
 - 452. Korea
 - 499. "ASIA"; general mention of area - reference to two or more countries of Asia
- NEAR EAST
 - 501. U.A.R. (Egypt)
 - 502. Iran
 - 503. Iraq
 - 504. Israel (or Palestine), Jewish
 - 505. Jordan
 - 506. Lebanon
 - 507. Saudi Arabia
 - 508. Syria
 - 509. Turkey
 - 599. "Near East," "Middle East"; general mention of area - reference to two or more countries of Near East
 - 655. South Africa
 - 699. Africa; any African country or countries, excluding only South Africa and U.A.R. (Egypt)
- OCEANIA
 - 704. Australia, New Zealand, Tasmania
 - 997. Other (combinations) not codeable elsewhere
 - 998. DK
 - 999. NA
 - 000. Inap, coded 1 in colt 66

□

>> 1982 NATIONALITY & ETHNIC CODE

WESTERN HEMISPHERE

North America

- 01. American Indian, tribal mentions
- 02. Canadian; not specified as French-Canadian (03)
- 03. Canadian, of French origin
- 04. Mexican (excluding explicit mention of "Chicano,"
'Mexican-American')
- 05. Central American

West Indies

- 07. Barbados
- 08. Cuban
- 09. Dominican Republic
- 10. Haitian
- 11. Jamaican
- 12. Puerto Rican
- 13. West Indian--not from one of the above countries
- 14. West Indian--NA which country

South America

- 16. South American any country

EUROPE

British Isles

- 18. English, British
- 19. Irish (not specified as from North Ireland, Ulster--22)
- 20. Scottish
- 21. Welsh
- 22. From North Ireland
- 23. Scot-Irish
- 24. From British Isles; from two or more countries of British
Isles

Western Europe

- 26. Austrian
- 27. Belgian
- 28. French
- 29. German; also Pennsylvania Dutch
- 30. Luxembourg
- 31. Netherlands, Holland; Dutch
- 32. Swiss
- 33. From Western Europe, two or more countries of Western Europe

Scandinavia

- 35. Danish
- 36. Finn, Finnish
- 37. Norwegian
- 38. Swedish
- 39. Icelander
- 40. Scandinavian; reference to two or more Scandinavian countries
- 41. Reference to two or more countries from combination of the
following areas: British Isles, Western Europe, Scandinavia,
Mediterranean countries, Greece

Eastern Europe

- 43. Czechoslovakian, Slovak
- 44. Estonian
- 45. Hungarian
- 46. Latvian
- 47. Lithuanian
- 48. Polish

- 49. Russian; from U.S.S.R.
- 50. Ukrainian
- 51. Eastern European; reference to two or more Eastern European countries
- Balkan Countries
 - 53. Albanian
 - 54. Bulgarian
 - 55. Greek
 - 56. Rumanian
 - 57. Yugoslavian
 - 58. Mention of two or more Balkan countries
- Mediterranean Countries
 - 60. Italian
 - 61. Portuguese
 - 62. Spanish
 - 63. Maltese
 - 64. European. General mention of Europe, reference to two or more European countries, not codeable above.
 - 66. Afghan
 - 67. Indian (not American Indian, code 01)
 - 68. Southeast Asia--from Indochina, Thailand, Malaya, Burma, Philippines, Indonesia
 - 69. Chinese
 - 70. Japanese; Japanese American
 - 71. Korean
- NEAR EAST
 - 73. Egyptian
 - 74. Iranian, Persian
 - 75. Iraqi
 - 76. Israeli
 - 77. Jordanian
 - 78. Lebanese
 - 79. Arab, Arabian, Saudi Arabian
 - 80. Syrian
 - 81. Turk, Turkish
- AFRICA
 - 83. African; from any African country except Egypt (U.A.R.); South African (formerly 90)
- OCEANIA
 - 85. Australian, New Zealander, Tasmanian
- ETHNIC GROUPS
 - 86. White, Caucasian
 - 87. Black; Negro; American Black; Afro-American
 - 88. Chicano; Mexican-American
 - 90. NEITHER
- OTHER MISCELLANEOUS GROUPS
 - 91. Catholic
 - 92. Protestant
 - 93. Jewish
 - 94. Mormon
 - 95. Other religious groups
 - 97. Other group; combinations not codeable above
 - 98. DK
 - 99. NA; NONE; "American"

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>> 1970 Census Occupation Code

AS IN 1978, THE 1970 CENSUS OCCUPATION CODE IS USED FOR THE 1980 ELECTION STUDY, INSTEAD OF THE CPS POLITICAL BEHAVIOR OCCUPATION CODE WHICH APPEARS IN PAST ELECTION STUDIES, AND USES THE 1960 CENSUS CLASSIFICATION SCHEME AS BACKBONE FOR ITS STRUCTURE. THERE IS A CLOSE CORRESPONDENCE BETWEEN THE TWO CODING SCHEMES. GROUPINGS OF OCCUPATIONS INTO MAJOR OCCUPATIONAL CATEGORIES ARE BASICALLY IDENTICAL FOR BOTH SCHEMES; SOME DIFFERENCES OCCUR IN THE DETAILED CODES WITHIN CATEGORIES.

THE USER WHO NEEDS MORE DETAILED INFORMATION SHOULD CONSULT: U.S. BUREAU OF THE CENSUS, "1970 OCCUPATION AND INDUSTRY CLASSIFICATION SYSTEMS IN TERMS OF THEIR 1960 OCCUPATION AND INDUSTRY ELEMENTS," BY JOHN A. PRIEBE, JOAN HEINKEL, AND STANLEY GREENE (TECHNICAL PAPER 26), U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON D.C., 1972.

IN ADDITION, IN 1978 THE DUNCAN SEI AND NORC PRESTIGE SCORES ARE INCLUDED. IN PAST STUDIES THE DUNCAN SCORE WAS BASED ON 1960 CENSUS CODES; IN THE 1978, 1980 AND 1982 STUDIES A VERSION BASED ON THE 1970 CENSUS IS GIVEN. FOR DETAILS, SEE DAVID L. FEATHERMAN, MICHAEL SOBEL AND DAVID DICKENS, "A MANUAL FOR CODING OCCUPATIONS AND INDUSTRIES INTO DETAILED 1970 CATEGORIES AND A LISTING OF 1970-BASIS DUNCAN SOCIOECONOMIC AND NORC PRESTIGE SCORES," (WORKING PAPER #75-1, CENTER FOR DEMOGRAPHY AND ECOLOGY, THE UNIVERSITY OF WISCONSIN--MADISON).

BOTH DUNCAN AND NORC SCORES ARE BASED ON AN OCCUPATIONAL RANKING SCHEME. BOTH ARE THREE-DIGIT SCORES WITH A DECIMAL POINT TO BE UNDERSTOOD IN THE RIGHT-MOST COLUMN. THE DECIMAL POINT DOES NOT APPEAR IN THE DATA OR DICTIONARY. A SCORE OF 241, THEREFORE, SHOULD BE READ AS 24.1.

U.S. DUNCAN NORC
CENSUS SEI PRESTIGE
OCCUP.

PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS

001 769 560

ACCOUNTANTS

002 853 667

ARCHITECTS

COMPUTER SPECIALISTS

003 650 506

COMPUTER PROGRAMMERS

004 650 506

COMPUTER SYSTEMS ANALYSTS

005 650 506

COMPUTER SPECIALISTS

ENGINEERS

006 870 711
AERONAUTICAL AND ASTRONAUTICAL ENGINEERS

010 899 672
CHEMICAL ENGINEERS

011 840 678
CIVIL ENGINEERS

012 840 694
ELECTRICAL AND ELECTRONIC ENGINEERS

013 855 556
INDUSTRIAL ENGINEERS

014 802 621
MECHANICAL ENGINEERS

015 831 584
METALLURGICAL AND MATERIALS ENGINEERS

020 850 616
MINING ENGINEERS

021 810 571
PETROLEUM ENGINEERS

022 870 506
SALES ENGINEERS

023 869 670
ENGINEERS

024 830 539
FARM MANAGEMENT ADVISORS

025 480 539
FORESTERS AND CONSERVATIONISTS

026 830 539
HOME MANAGEMENT ADVISORS

LAWYERS AND JUDGES

030 930 757
JUDGES

031 923 751
LAWYERS

LIBRARIANS, ARCHIVISTS, AND CURATORS

032 600 546
LIBRARIANS

033 746 596
ARCHIVISTS AND CURATORS

MATHEMATICAL SPECIALISTS

034 810 554
ACTUARIES

035 800 650
MATHEMATICIANS

036 810 554
STATISTICIANS

LIFE AND PHYSICAL SCIENTISTS

042 800 558
AGRICULTURAL SCIENTISTS

043 620 470
ATMOSPHERIC AND SPACE SCIENTISTS

044 800 677
BIOLOGICAL SCIENTISTS

045 794 673
CHEMISTS

051 800 672
GEOLOGISTS

052 800 672
MARINE SCIENTISTS

053 800 738
PHYSICISTS AND ASTRONOMERS

054 774 651
LIFE AND PHYSICAL SCIENTISTS

055 657 508
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS

056 824 552
PERSONNEL AND LABOR RELATIONS WORKERS

PHYSICIANS, DENTISTS, AND RELATED PRACTITIONERS

061 750 600
CHIROPRACTORS

062 960 736
DENTISTS

063 790 620
OPTOMETRISTS

064 814 603
PHARMACISTS

065 921 812
PHYSICIANS, MEDICAL AND OSTEOPATHIC

071 580 367
PODIATRISTS

072 780 597
VETERINARIANS

073 580 367
HEALTH PRACTITIONERS

NURSES, DIETITIANS, AND THERAPISTS

074 390 521
DIETITIANS

075 443 601
REGISTERED NURSES

076 589 385
THERAPISTS

HEALTH TECHNOLOGISTS AND TECHNICIANS

080 480 610
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS

081 480 610
DENTAL HYGIENISTS

082 600 546
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS

083 480 610
RADIOLOGIC TECHNOLOGISTS AND TECHNICIANS

084 480 610
THERAPY ASSISTANTS

085 552 511
HEALTH TECHNOLOGISTS AND TECHNICIANS

RELIGIOUS WORKERS

086 520 690
CLERGYMEN

090 571 546
RELIGIOUS WORKERS

SOCIAL SCIENTISTS
091 743 535

ECONOMISTS

092 810 714
POLITICAL SCIENTISTS

093 810 714
PSYCHOLOGISTS

094 810 714

SOCIOLOGISTS

095 650 506
URBAN AND REGIONAL PLANNERS

096 810 656
SOCIAL SCIENTISTS

SOCIAL AND RECREATION WORKERS

100 640 524
SOCIAL WORKERS

101 670 486
RECREATION WORKERS

TEACHERS, COLLEGE AND UNIVERSITY

102 840 783
AGRICULTURE TEACHERS

103 840 783
ATMOSPHERIC, EARTH, MARINE, AND SPACE TEACHERS

104 840 783
BIOLOGY TEACHERS

105 840 783
CHEMISTRY TEACHERS

110 840 783
PHYSICS TEACHERS

111 840 783
ENGINEERING TEACHERS

112 840 783
MATHEMATICS TEACHERS

113 840 783
HEALTH SPECIALTIES TEACHERS

114 840 783
PSYCHOLOGY TEACHERS

115 840 783
BUSINESS AND COMMERCE TEACHERS

116 840 783
ECONOMICS TEACHERS

120 840 783
HISTORY TEACHERS

121 840 783
SOCIOLOGY TEACHERS

122 840 783
SOCIAL SCIENCE TEACHERS

123 556 486
ART, DRAMA, AND MUSIC TEACHERS

124 640 532
COACHES AND PHYSICAL EDUCATION TEACHERS

125 840 783
EDUCATION TEACHERS

126 840 783
ENGLISH TEACHERS

130 840 783
FOREIGN LANGUAGE TEACHERS

131 720 532
HOME ECONOMICS TEACHERS

132 840 783
LAW TEACHERS

133 840 783
THEOLOGY TEACHERS

134 840 783
TRADE, INDUSTRIAL, AND TECHNICAL TEACHERS

135 840 783
MISCELLANEOUS TEACHERS, COLLEGE AND UNIVERSITY

140 840 783
TEACHERS, COLLEGE AND UNIVERSITY, SUBJECT NOT SPECIFIED

TEACHERS, EXCEPT COLLEGE AND UNIVERSITY

141 643 439
ADULT EDUCATION TEACHERS

142 714 592
ELEMENTARY SCHOOL TEACHERS

143 720 561
PREKINDERGARTEN AND KINDERGARTEN TEACHERS

144 705 601
SECONDARY SCHOOL TEACHERS

145 577 449
TEACHERS, EXCEPT COLLEGE AND UNIVERSITY

ENGINEERING AND SCIENCE TECHNICIANS

150 620 472
AGRICULTURE AND BIOLOGICAL TECHNICIANS, EXCEPT HEALTH

151 620 470
CHEMICAL TECHNICIANS

152 670 561
DRAFTSMEN

153 620 515
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS

154 640 494
INDUSTRIAL ENGINEERING TECHNICIANS

155 620 470
MECHANICAL ENGINEERING TECHNICIANS

156 530 468
MATHEMATICAL TECHNICIANS

161 484 531
SURVEYORS

162 620 470
ENGINEERING AND SCIENCE TECHNICIANS

TECHNICIANS, EXCEPT HEALTH, AND ENGINEERING AND SCIENCE

163 790 701
AIRPLANE PILOTS

164 690 428
AIR TRAFFIC CONTROLLERS

165 603 519
EMBALMERS

170 480 482
FLIGHT ENGINEERS

171 690 428
RADIO OPERATORS

172 620 470
TOOL PROGRAMMERS, NUMERICAL CONTROL

173 620 472
TECHNICIANS

174 650 506
VOCATIONAL AND EDUCATIONAL COUNSELORS

WRITERS, ARTISTS, AND ENTERTAINERS

175 600 550
ACTORS

180 602 521
ATHLETES AND KINDRED WORKERS

181 760 598
AUTHORS

182 450 376
DANCERS

183 704 565

DESIGNERS

184 820 512
EDITORS AND REPORTERS

185 520 460
MUSICIANS AND COMPOSERS

190 670 562
PAINTERS AND SCULPTORS

191 500 405
PHOTOGRAPHERS

192 820 567
PUBLIC RELATIONS MEN AND PUBLICITY WRITERS

193 650 506
RADIO AND TELEVISION ANNOUNCERS

194 454 412
WRITERS, ARTISTS, AND ENTERTAINERS

195 650 506
RESEARCH WORKERS, NOT SPECIFIED

MANAGERS AND ADMINISTRATORS, EXCEPT FARM

201 588 538
ASSESSORS, CONTROLLERS, AND TREASURERS; LOCAL PUBLIC
ADMINISTRATION

202 800 666
BANK OFFICERS AND FINANCIAL MANAGERS

203 503 429
BUYERS AND SHIPPERS, FARM PRODUCTS

205 721 500
BUYERS, WHOLESALE AND RETAIL TRADE

210 740 488
CREDIT MEN

211 590 522
FUNERAL DIRECTORS

212 569 594
HEALTH ADMINISTRATORS

213 575 396
CONSTRUCTION INSPECTORS, PUBLIC ADMINISTRATION

215 666 423
INSPECTORS, EXCEPT CONSTRUCTION, PUBLIC ADMINISTRATION

216 320 383
MANAGERS AND SUPERINTENDENTS, BUILDING

220 731 560
OFFICE MANAGERS

221 499 567
OFFICERS, PILOTS, AND PURSERS; SHIP

222 665 603
OFFICIALS AND ADMINISTRATORS; PUBLIC ADMINISTRATION

223 600 484
OFFICIALS OF LODGES, SOCIETIES, AND UNIONS

224 608 583
POSTMASTERS AND MAIL SUPERINTENDENTS

225 748 464
PURCHASING AGENTS AND BUYERS

226 582 409

RAILROAD CONDUCTORS

230 381 389
RESTAURANT, CAFETERIA AND BAR MANAGERS

231 698 478
SALES MANAGERS AND DEPARTMENT HEADS, RETAIL TRADE

233 746 542
SALES MANAGERS, EXCEPT RETAIL TRADE

235 771 696
SCHOOL ADMINISTRATORS, COLLEGE

240 717 616
SCHOOL ADMINISTRATORS, ELEMENTARY AND SECONDARY

245 617 507
MANAGERS AND ADMINISTRATORS

SALES WORKERS

260 661 423
ADVERTISING AGENTS AND SALESMEN

261 400 319
AUCTIONEERS

262 381 306
DEMONSTRATORS

264 129 202
HUCKSTERS AND PEDDLERS

265 660 468
INSURANCE AGENTS, BROKERS, AND UNDERWRITERS

266 270 154
NEWSBOYS

270 620 440
REAL ESTATE AGENTS AND BROKERS

271 724 513
STOCK AND BOND SALESMEN

280 494 354
SALESMEN AND SALES CLERKS

281 650 491
SALES REPRESENTATIVES, MANUFACTURING INDUSTRIES
(IND.107-399)

282 609 399
SALES REPRESENTATIVES, WHOLESALE TRADE (IND. 017-058,
507-599)

283 390 286
SALES CLERKS, RETAIL TRADE (IND. 608-699 EXCEPT 618,
639, 649, 667, 668, 688)

284 390 286
SALESMEN, RETAIL TRADE (IND. 655, 618, 639, 649, 667,
668, 688)

285 522 354
SALESMEN OF SERVICES AND CONSTRUCTION (IND. 067-???,
407-499, 707-947)

CLERICAL AND KINDRED WORKERS

301 518 490
BANK TELLERS

303 440 362
BILLING CLERKS

305 509 474
BOOKKEEPERS

310 439 310
CASHIERS

311 440 314
CLERICAL ASSISTANTS, SOCIAL WELFARE

312 438 360
CLERICAL SUPERVISORS

313 425 279
COLLECTORS, BILL AND ACCOUNT

314 440 362
COUNTER CLERKS, EXCEPT FOOD

315 401 334
DISPATCHERS AND STARTERS, VEHICLE

320 440 362
ENUMERATORS AND INTERVIEWERS

321 562 412
ESTIMATORS AND INVESTIGATORS

323 436 360
EXPEDITERS AND PRODUCTION CONTROLLERS

325 440 308
FILE CLERKS

326 621 476
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS

330 431 397
LIBRARY ATTENDANTS AND ASSISTANTS

331 530 423
MAIL CARRIERS, POST OFFICE

332 433 355
MAIL HANDLERS, EXCEPT POST OFFICE

333 282 A93
MESSENGERS AND OFFICE BOYS

334 440 362
METER READERS, UTILITIES

OFFICE MACHINE OPERATORS

341 449 443
BOOKKEEPING AND BILLING MACHINE OPERATORS

342 450 449
CALCULATING MACHINE OPERATORS

343 450 449
COMPUTER AND PERIPHERAL EQUIPMENT OPERATORS

344 450 449
DUPLICATING MACHINE OPERATORS

345 450 449
KEYPUNCH OPERATORS

350 450 449
TABULATING MACHINE OPERATORS

355 450 449
OFFICE MACHINE OPERATORS

360 440 413
PAYROLL AND TIMEKEEPING CLERKS

361 446 424
POSTAL CLERKS

362 440 362

PROOFREADERS

363 678 430
REAL ESTATE APPRAISERS

364 440 389
RECEPTIONISTS

SECRETARIES

370 610 458
SECRETARIES, LEGAL

371 610 458
SECRETARIES, MEDICAL

372 610 458
SECRETARIES

374 241 299
SHIPPING AND RECEIVING CLERKS

375 439 360
STATISTICAL CLERKS

376 610 433
STENOGRAPHERS

381 439 252
STOCK CLERKS AND STOREKEEPERS

382 624 488
TEACHER AIDES, EXCEPT SCHOOL MONITORS

383 220 298
TELEGRAPH MESSENGERS

384 470 435
TELEGRAPH OPERATORS

385 450 404
TELEPHONE OPERATORS

390 598 354
TICKET, STATION, AND EXPRESS AGENTS

391 610 413
TYPISTS

392 418 354
WEIGHERS

394 437 365
MISCELLANEOUS CLERICAL WORKERS

395 440 362
NOT SPECIFIED CLERICAL WORKERS

CRAFTSMEN AND KINDRED WORKERS

401	216	325	AUTOMOBILE ACCESSORIES INSTALLERS
402	217	338	BAKERS
403	160	355	BLACKSMITHS
404	326	306	BOILERMAKERS
405	380	314	BOOKBINDERS
410	270	357	BRICKMASONS AND STONEMASONS
411	320	408	BRICKMASONS AND STONEMASONS, APPRENTICES
412	197	323	BULLDOZER OPERATORS
413	223	381	CABINETMAKERS
415	189	396	CARPENTERS
416	310	408	CARPENTER APPRENTICES
420	120	328	CARPET INSTALLERS
421	190	316	CEMENT AND CONCRETE FINISHERS
422	520	380	COMPOSITORS AND TYPESETTERS
423	400	408	PRINTING TRADES APPRENTICES, EXCEPT PRESSMEN
424	210	387	CRANEMEN, DERRICKMEN, AND HOISTMEN
425	400	374	DECORATORS AND WINDOW DRESSERS
426	480	610	DENTAL LABORATORY TECHNICIANS
430	440	492	ELECTRICIANS
431	370	408	ELECTRICIAN APPRENTICES

433 490 392
ELECTRIC POWER LINEMEN AND CABLEMEN

434 550 380
ELECTROTYPERS AND STEREOTYPERS

435 470 412
ENGRAVERS, EXCEPT PHOTOENGRAVERS

436 228 315
EXCAVATING, GRADING, AND ROAD MACHINE OPERATORS; EXCEPT
BULLDOZER

440 174 318
FLOOR LAYERS, EXCEPT TILE SETTERS

441 495 453
FOREMEN

442 228 355
FORGEMEN AND HAMMERMEN

443 178 291
FURNITURE AND WOOD FINISHERS

444 334 323
FURRIERS

445 253 267
GLAZIERS

446 217 353
HEAT TREATERS, ANNEALERS, AND TEMPERERS

450 225 310
INSPECTORS, SCALERS, AND GRADERS; LOG AND LUMBER

452 410 313
INSPECTORS

453 364 375
JEWELERS AND WATCHMAKERS

454 335 464
JOB AND DIE SETTERS, METAL

455 578 508
LOCOMOTIVE ENGINEERS

456 450 362
LOCOMOTIVE FIREMEN

461 329 477
MACHINISTS

462 410 408
MACHINIST APPRENTICES

MECHANICS AND REPAIRMEN

470 270 367
AIR CONDITIONING, HEATING, AND REFRIGERATION

471 480 482
AIRCRAFT

472 190 367
AUTOMOBILE BODY REPAIRMEN

473 190 367
AUTOMOBILE MECHANICS

474 250 408
AUTOMOBILE MECHANIC APPRENTICES

475 270 408
DATA PROCESSING MACHINE REPAIRMEN

480 270 326
FARM IMPLEMENT

481 266 328
HEAVY EQUIPMENT MECHANICS, INCLUDING DIESEL

482 270 326
HOUSEHOLD APPLIANCE AND ACCESSORY INSTALLERS AND
MECHANICS

483 100 304
LOOM FIXERS

484 359 338
OFFICE MACHINE

485 360 350
RADIO AND TELEVISION

486 205 356
RAILROAD AND CAR SHOP

491 340 408
MECHANIC, EXCEPT AUTO, APPRENTICES

492 265 328
MISCELLANEOUS MECHANICS AND REPAIRMEN

495 270 326
NOT SPECIFIED MECHANICS AND REPAIRMEN

501 190 252
MILLERS; GRAIN, FLOUR, AND FEED

502 310 403
MILLWRIGHTS

503 120 391
MOLDERS, METAL

504 330 408
MOLDER APPRENTICES

505 430 339
MOTION PICTURE PROJECTIONISTS

506 390 514
OPTICIANS, AND LENS GRINDERS AND POLISHERS

510 164 298
PAINTERS, CONSTRUCTION AND MAINTENANCE

511 290 408
PAINTER APPRENTICES

512 135 275
PAPERHANGERS

514 430 387
PATTERN AND MODEL MAKERS, EXCEPT PAPER

515 611 397
PHOTOENGRAVERS AND LITHOGRAPHERS

516 380 320
PIANO AND ORGAN TUNERS AND REPAIRMEN

520 250 332
PLASTERERS

521 290 408
PLASTERER APPRENTICES

522 340 406
PLUMBERS AND PIPE FITTERS

523 330 408
PLUMBER AND PIPE FITTER APPRENTICES

525 500 388
POWER STATION OPERATORS

530 456 391
PRESSMEN AND PLATE PRINTERS, PRINTING

531 400 408
PRESSMAN APPRENTICES

533 220 360
ROLLERS AND FINISHERS, METAL

534 151 315
ROOFERS AND SLATERS

535 330 368
SHEETMETAL WORKERS AND TINSMITHS

536 330 408
SHEETMETAL APPRENTICES

540 340 355
SHIPFITTERS

542 119 326
SHOE REPAIRMEN

543 168 307
SIGN PAINTERS AND LETTERERS

545 452 329
STATIONARY ENGINEERS

546 240 317
STONE CUTTERS AND STONE CARVERS

550 334 356
STRUCTURAL METAL CRAFTSMEN

551 214 340
TAILORS

552 488 391
TELEPHONE INSTALLERS AND REPAIRMEN

554 490 392
TELEPHONE LINEMEN AND SPLICERS

560 282 384
TILE SETTERS

561 492 423
TOOL OR DIE MAKERS

562 410 408
TOOL AND DIE MAKER APPRENTICES

563 212 299
UPHOLSTERERS

571 346 408
SPECIFIED CRAFT APPRENTICES

572 390 408
NOT SPECIFIED APPRENTICES

575 253 417
CRAFTSMEN AND KINDRED WORKERS

580 000 000
FORMER MEMBERS OF THE ARMED FORCES

600 000 000
CURRENT MEMBERS OF THE ARMED FORCES

OPERATIVES, EXCEPT TRANSPORT

601 320 284
ASBESTOS AND INSULATION WORKERS

602 172 275
ASSEMBLERS

603 110 321
BLASTERS AND POWDERMEN

604 161 235
BOTTLING AND CANNING OPERATIVES

605 250 394
CHAINMEN, RODMEN, AND AXMEN; SURVEYING

610 184 361
CHECKERS, EXAMINERS, AND INSPECTORS; MANUFACTURING

611 168 207
CLOTHING IRONERS AND PRESSERS

612 189 285
CUTTING OPERATIVES

613 224 310
DRESSMAKERS AND SEAMSTRESSES, EXCEPT FACTORY

614 216 262
DRILLERS, EARTH

615 244 363
DRY WALL INSTALLERS AND LATHERS

620 120 250
DYERS

621 187 235
FILERS, POLISHERS, SANDERS, AND BUFFERS

622 181 329
FURNACEMEN, SMELTERMEN, AND POURERS

623 179 212
GARAGE WORKERS AND GAS STATION ATTENDANTS

624 166 326
GRADERS AND SORTERS, MANUFACTURING

625 137 245
PRODUCE GRADERS AND PACKERS, EXCEPT FACTORY AND FARM

626 290 329
HEATERS, METAL

630 150 182
LAUNDRY AND DRY CLEANING OPERATIVES

631 288 320
MEAT CUTTERS AND BUTCHERS, EXCEPT MANUFACTURING

633 162 235
MEAT CUTTERS AND BUTCHERS, MANUFACTURING

634 180 194
MEAT WRAPPERS, RETAIL TRADE

635 197 302
METAL PLATERS

636 460 334
MILLINERS

640 165 264
MINE OPERATIVES

641 173 273
MIXING OPERATIVES

642 150 242
OILERS AND GREASERS, EXCEPT AUTO

643 181 195
PACKERS AND WRAPPERS, EXCEPT MEAT AND PRODUCE

644 181 288
PAINTERS, MANUFACTURED ARTICLES

645 412 355
PHOTOGRAPHIC PROCESS WORKERS

PRECISION MACHINE OPERATIVES

650 220 318
DRILL PRESS OPERATIVES

651 219 190
GRINDING MACHINE OPERATIVES

652 216 319
LATHE AND MILLING MACHINE OPERATIVES

653 209 311
PRECISION MACHINE OPERATIVES

656 195 303
PUNCH AND STAMPING PRESS OPERATIVES

660 206 315
RIVETERS AND FASTENERS

661 160 337
SAILORS AND DECKHANDS

662 049 276
SAWYERS

663 182 251
SEWERS AND STITCHERS

664 092 316
SHOEMAKING MACHINE OPERATIVES

665 244 361
SOLDERERS

666 166 317
STATIONARY FIREMEN

TEXTILE OPERATIVES

670 033 289
CARDING, LAPPING, AND COMBING OPERATIVES

671 210 294
KNITTERS, LOOPERS, AND TOPPERS

672 041 282
SPINNERS, TWISTERS, AND WINDERS

673 059 251
WEAVERS

674 086 288
TEXTILE OPERATIVES

680 240 401
WELDERS AND FLAME CUTTERS

681 217 336
WINDING OPERATIVES

690 190 285
MACHINE OPERATIVES, MISCELLANEOUS SPECIFIED

692 193 293
MACHINE OPERATIVES, NOT SPECIFIED

694 188 289
MISCELLANEOUS OPERATIVES

695 195 291
NOT SPECIFIED OPERATIVES

TRANSPORT EQUIPMENT OPERATIVES

701 240 368
BOATMEN AND CANALMEN

703 240 324
BUS DRIVERS

704 325 280
CONDUCTORS AND MOTORMEN, URBAN RAIL TRANSIT

705 310 283
DELIVERYMEN AND ROUTEMEN

706 168 284
FORK LIFT AND TOW MOTOR OPERATIVES

710 030 272
MOTORMEN; MINE, FACTORY, LOGGING CAMP, ETC.

711 188 220

PARKING ATTENDANTS

712 420 347
RAILROAD BRAKEMEN

713 440 328
RAILROAD SWITCHMEN

714 100 215
TAXICAB DRIVERS AND CHAUFFEURS

715 151 321
TRUCK DRIVERS

LABORERS, EXCEPT FARM

740 175 303
ANIMAL CARETAKERS, EXCEPT FARM

750 230 000
CARPENTERS' HELPERS

751 071 174
CONSTRUCTION LABORERS, EXCEPT CARPENTERS' HELPERS

752 303 000
FISHERMEN AND OYSTERMEN

753 089 190
FREIGHT AND MATERIAL HANDLERS

754 060 173
GARBAGE COLLECTORS

755 109 221
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM

760 110 244
LONGSHOREMEN AND STEVEDORES

761 041 259
LUMBERMEN, RAFTSMEN, AND WOODCHOPPERS

762 173 207
STOCK HANDLERS

763 080 122
TEAMSTERS

764 086 185
VEHICLE WASHERS AND EQUIPMENT CLEANERS

770 083 203
WAREHOUSEMEN

780 082 191
MISCELLANEOUS LABORERS

785 083 175

NOT SPECIFIED LABORERS

FARMERS AND FARM MANAGERS

801	140	407
FARMERS (OWNERS AND TENANTS)		

802	360	437
FARM MANAGERS		

FARM LABORERS AND FARM FOREMEN

821	200	350
FARM FOREMEN		

822	063	188
FARM LABORERS, WAGE WORKERS		

823	170	185
FARM LABORERS, UNPAID FAMILY WORKERS		

824	220	268
FARM SERVICE LABORERS, SELF-EMPLOYED		

SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLD

CLEANING SERVICE WORKERS

901	116	141
CHAMBERMAIDS AND MAIDS, EXCEPT PRIVATE HOUSEHOLD		

902	098	174
CLEANERS AND CHARWOMEN		

903	125	193
JANITORS AND SEXTONS		

FOOD SERVICE WORKERS

910	190	199
BARTENDERS		

911	110	144
BUSBOYS		

912	150	264
COOKS, EXCEPT PRIVATE HOUSEHOLD		

913	110	218
DISHWASHERS		

914	170	154
FOOD COUNTER AND FOUNTAIN WORKERS		

915	160	203
WAITERS		

916 110 208
FOOD SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLD

HEALTH SERVICE WORKERS

921 380 478
DENTAL ASSISTANTS

922 294 405
HEALTH AIDES, EXCEPT NURSING

923 510 451
HEALTH TRAINEES

924 370 233
LAY MIDWIVES

925 135 364
NURSING AIDES, ORDERLIES, AND ATTENDANTS

926 220 419
PRACTICAL NURSES

PERSONAL SERVICE WORKERS

931 310 364
AIRLINE STEWARDESSES

932 195 164
ATTENDANTS, RECREATION AND AMUSEMENT

933 288 225
ATTENDANTS, PERSONAL SERVICE

934 079 175
BAGGAGE PORTERS AND BELLHOPS

935 170 379
BARBERS

940 300 221
BOARDING AND LODGING HOUSE KEEPERS

941 080 093
BOOTBLACKS

942 282 241
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD

943 100 209
ELEVATOR OPERATORS

944 170 332
HAIRDRESSERS AND COSMETOLOGISTS

945 310 408
PERSONAL SERVICE APPRENTICES

950 310 364
HOUSEKEEPERS, EXCEPT PRIVATE HOUSEHOLD

952 260 141
SCHOOL MONITORS

953 250 149
USHERS, RECREATION AND AMUSEMENT

954 110 144
WELFARE SERVICE AIDES

PROTECTIVE SERVICE WORKERS

960 175 245
CROSSING GUARDS AND BRIDGE TENDERS

961 370 438
FIREMEN, FIRE PROTECTION

962 182 223
GUARDS AND WATCHMEN

963 210 458
MARSHALS AND CONSTABLES

964 404 477
POLICEMEN AND DETECTIVES

965 340 550
SHERIFFS AND BAILIFFS

PRIVATE HOUSEHOLD WORKERS

980 070 229
CHILD CARE WORKERS, PRIVATE HOUSEHOLD

981 070 180
COOKS, PRIVATE HOUSEHOLD

982 186 247
HOUSEKEEPERS, PRIVATE HOUSEHOLD

983 120 176
LAUNDRESSES, PRIVATE HOUSEHOLD

984 070 180
MAIDS AND SERVANTS, PRIVATE HOUSEHOLD

998 000 000
OCCUPATION NOT KNOWN

999 000 000
OCCUPATION NOT ASCERTAINED

000 000 000
INAPPROPRIATE

>> 1970 Census Industry Code

1970 CENSUS INDUSTRY NOTE

THIS NOTE IS USED IN CONJUNCTION WITH VARIABLES WHICH IDENTIFY THE INDUSTRY IN WHICH THE RESPONDENT, THE HEAD OF HOUSEHOLD, AND WIFE OF HEAD OF HOUSEHOLD WORK(ED) .

THE INDUSTRIAL CLASSIFICATION SCHEME USED IN THE 1978, 1980, AND 1982 STUDIES IS BASED ON THE 1970 CENSUS CODING SYSTEM, WHEREAS THE 1972 AND 1974 STUDIES USED THE 1960 CENSUS INDUSTRIAL CLASSIFICATION SYSTEM. THE DIFFERENCE BETWEEN THE TWO VERSIONS IS NEGLIGIBLE AT THE LEVEL OF MAJOR CATEGORIES, ALTHOUGH DIFFERENCES EXIST IN THE DETAILED CODES WITHIN CATEGORIES.

THE USER WHO NEEDS MORE DETAILED INFORMATION ABOUT THE COMPARABILITY OF THE TWO CODING SYSTEMS SHOULD CONSULT: U.S. BUREAU OF THE CENSUS, "1970 OCCUPATION AND INDUSTRY CLASSIFICATION SYSTEMS IN TERMS OF THEIR 1960 OCCUPATION AND INDUSTRY ELEMENTS," BY JOHN A. PRIEBE, JOAN HEINKEL, AND STANLEY GREENE (TECHNICAL PAPER 26), U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON D.C., 1972.

ALLOCATION CATEGORIES

- 029. AGRICULTURE, FORESTRY, AND FISHERIES -- ALLOCATED
- 058. MINING -- ALLOCATED
- 078. CONSTRUCTION -- ALLOCATED
- 267. MANUFACTURING, DURABLE GOODS -- ALLOCATED
- 399. MANUFACTURING, NONDURABLE GOODS -- ALLOCATED
- 499. TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES -- ALLOCATED
- 599. WHOLESALE TRADE -- ALLOCATED
- 699. RETAIL TRADE -- ALLOCATED
- 719. FINANCE, INSURANCE, AND REAL ESTATE -- ALLOCATED
- 767. BUSINESS AND REPAIR SERVICES -- ALLOCATED
- 799. PERSONAL SERVICES -- ALLOCATED
- 817. ENTERTAINMENT AND RECREATION SERVICES -- ALLOCATED
- 899. PROFESSIONAL AND RELATED SERVICES -- ALLOCATED
- 947. PUBLIC ADMINISTRATION -- ALLOCATED

AGRICULTURE, FORESTRY, AND FISHERIES

- 017. AGRICULTURAL PRODUCTION
- 018. AGRICULTURAL SERVICES, EXCEPT HORTICULTURAL
- 019. HORTICULTURAL SERVICES
- 027. FORESTRY
- 028. FISHERIES

MINING

- 047. METAL MINING
- 048. COAL MINING
- 049. CRUDE PETROLEUM AND NATURAL GAS EXTRACTIONS
- 057. NONMETALLIC MINING AND QUARRYING, EXCEPT FUEL

CONSTRUCTION

- 067. GENERAL BUILDING CONTRACTORS
- 068. GENERAL CONTRACTORS, EXCEPT BUILDING
- 069. SPECIAL TRADE CONTRACTORS
- 077. NOT SPECIFIED CONSTRUCTION

MANUFACTURING

DURABLE GOODS

LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE

- 107. LOGGING
- 108. SAWMILLS, PLANING MILLS, AND MILL WORK
- 109. MISCELLANEOUS WOOD PRODUCTS
- 118. FURNITURE AND FIXTURES

STONE, CLAY, AND GLASS PRODUCTS

- 119. GLASS AND GLASS PRODUCTS
- 127. CEMENT, CONCRETE, GYPSUM, AND PLASTER PRODUCTS
- 128. STRUCTURAL CLAY PRODUCTS
- 137. POTTERY AND RELATED PRODUCTS
- 138. MISCELLANEOUS NONMETALLIC MINERAL AND STONE PRODUCTS

METAL INDUSTRIES

- 139. BLAST FURNACES, STEEL WORKS, ROLLING AND FINISHING MILLS
- 147. OTHER PRIMARY IRON AND STEEL INDUSTRIES
- 148. PRIMARY ALUMINUM INDUSTRIES
- 149. OTHER PRIMARY NONFERROUS INDUSTRIES
- 157. CUTLERY, HAND TOOLS, AND OTHER HARDWARE
- 158. FABRICATED STRUCTURAL METAL PRODUCTS
- 159. SCREW MACHINE PRODUCTS
- 167. METAL STAMPING
- 168. MISCELLANEOUS FABRICATED METAL PRODUCTS
- 169. NOT SPECIFIED METAL INDUSTRIES

MACHINERY, EXCEPT ELECTRICAL

- 177. ENGINES AND TURBINES
- 178. FARM MACHINERY AND EQUIPMENT
- 179. CONSTRUCTION AND MATERIAL HANDLING MACHINES
- 187. METALWORKING MACHINERY
- 188. OFFICE AND ACCOUNTING MACHINES
- 189. ELECTRONIC COMPUTING EQUIPMENT
- 197. MACHINERY, EXCEPT ELECTRICAL
- 198. NOT SPECIFIED MACHINERY

ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

- 199. HOUSEHOLD APPLIANCES
- 207. RADIO, T.V., AND COMMUNICATION EQUIPMENT
- 208. ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES
- 209. NOT SPECIFIED ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

TRANSPORTATION EQUIPMENT

- 219. MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT
- 227. AIRCRAFT AND PARTS
- 228. SHIP AND BOAT BUILDING AND REPAIRING
- 229. RAILROAD LOCOMOTIVES AND EQUIPMENT
- 237. MOBILE DWELLINGS AND CAMPERS

- 238. CYCLES AND MISCELLANEOUS TRANSPORTATION EQUIPMENT
- PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES
- 239. SCIENTIFIC AND CONTROLLING INSTRUMENTS
- 247. OPTICAL AND HEALTH SERVICES SUPPLIES
- 248. PHOTOGRAPHIC EQUIPMENT AND SUPPLIES
- 249. WATCHES, CLOCKS, AND CLOCKWORK-OPERATED DEVICES
- 257. NOT SPECIFIED PROFESSIONAL EQUIPMENT
- 258. ORDNANCE
- 259. MISCELLANEOUS MANUFACTURING INDUSTRIES

NONDURABLE GOODS

FOOD AND KINDRED PRODUCTS

- 268. MEAT PRODUCTS
- 269. DAIRY PRODUCTS
- 278. CANNING AND PRESERVING FRUITS, VEGETABLES, AND SEAFOODS
- 279. GRAIN MILL PRODUCTS
- 287. BAKERY PRODUCTS
- 288. CONFECTIONERY AND RELATED PRODUCTS
- 289. BEVERAGE INDUSTRIES
- 297. MISCELLANEOUS FOOD PREPARATION AND KINDRED PRODUCTS
- 298. NOT SPECIFIED FOOD INDUSTRIES
- 299. TOBACCO MANUFACTURES

TEXTILE MILL PRODUCTS

- 307. KNITTING MILLS
- 308. DYEING AND FINISHING TEXTILES, EXCEPT WOOD AND KNIT GOODS
- 309. FLOOR COVERINGS, EXCEPT HARD SURFACE
- 317. YARN, THREAD, AND FABRIC MILLS
- 318. MISCELLANEOUS TEXTILE MILL PRODUCTS

APPAREL AND OTHER FABRICATED TEXTILE PRODUCTS

- 319. APPAREL AND ACCESSORIES
- 327. MISCELLANEOUS FABRICATED TEXTILE PRODUCTS

PAPER AND ALLIED PRODUCTS

- 328. PULP, PAPER, AND PAPERBOARD MILLS
- 329. MISCELLANEOUS PAPER AND PULP PRODUCTS
- 337. PAPERBOARD CONTAINERS AND BOXES

PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

- 338. NEWSPAPER PUBLISHING AND PRINTING
- 339. PRINTING, PUBLISHING, AND ALLIED INDUSTRIES, EXCEPT NEWSPAPERS

CHEMICALS AND ALLIED PRODUCTS

- 347. INDUSTRIAL CHEMICALS
- 348. PLASTICS, SYNTHETICS, AND RESINS, EXCEPT FIBERS
- 349. SYNTHETIC FIBERS
- 357. DRUGS AND MEDICINES
- 358. SOAPS AND COSMETICS
- 359. PAINTS, VARNISHES AND RELATED PRODUCTS
- 367. AGRICULTURAL CHEMICALS
- 368. MISCELLANEOUS CHEMICALS
- 369. NOT SPECIFIED CHEMICALS AND ALLIED PRODUCTS

PETROLEUM AND COAL PRODUCTS

- 377. PETROLEUM REFINING
- 378. MISCELLANEOUS PETROLEUM AND COAL PRODUCTS

RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

- 379. RUBBER PRODUCTS
- 387. MISCELLANEOUS PLASTIC PRODUCTS

LEATHER AND LEATHER PRODUCTS

- 388. TANNED, CURRIED, AND FINISHED LEATHER
- 389. FOOTWEAR EXCEPT RUBBER
- 397. LEATHER PRODUCTS, EXCEPT FOOTWEAR
- 398. NOT SPECIFIED MANUFACTURING INDUSTRIES

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

TRANSPORTATION

- 407. RAILROADS AND RAILWAY EXPRESS SERVICE
- 408. STREET RAILWAYS AND BUS LINES
- 409. TAXICAB SERVICE
- 417. TRUCKING SERVICE
- 418. WAREHOUSING AND STORAGE
- 419. WATER TRANSPORTATION
- 427. AIR TRANSPORTATION
- 428. PIPE LINES, EXCEPT NATURAL GAS
- 429. SERVICES INCIDENTAL TO TRANSFORMATION

COMMUNICATIONS

- 447. RADIO BROADCASTING AND TELEVISION
- 448. TELEPHONE (WIRE AND RADIO)
- 449. TELEGRAPH AND MISCELLANEOUS COMMUNICATION SERVICES

UTILITIES AND SANITARY SERVICES

- 467. ELECTRIC LIGHT AND POWER
- 468. ELECTRIC GAS UTILITIES
- 469. GAS AND STEAM SUPPLY SYSTEMS
- 477. WATER SUPPLY
- 478. SANITARY SERVICES
- 479. OTHER AND NOT SPECIFIED UTILITIES

WHOLESALE AND RETAIL TRADE

WHOLESALE TRADE

- 507. MOTOR VEHICLES AND EQUIPMENT
- 508. DRUGS, CHEMICALS, AND ALLIED PRODUCTS
- 509. DRY GOODS AND APPAREL
- 527. FOOD AND RELATED PRODUCTS
- 528. FARM PRODUCTS -- RAW MATERIALS
- 529. ELECTRICAL GOODS
- 537. HARDWARE, PLUMBING, AND HEATING SUPPLIES
- 538. NOT SPECIFIED ELECTRICAL AND HARDWARE PRODUCTS
- 539. MACHINERY EQUIPMENT AND SUPPLIES
- 557. METALS AND MINERALS
- 558. PETROLEUM PRODUCTS
- 559. SCRAP AND WASTE MATERIALS
- 567. ALCOHOLIC BEVERAGES
- 568. PAPER AND ITS PRODUCTS
- 569. LUMBER AND CONSTRUCTION MATERIALS
- 587. WHOLESALERS

588. NOT SPECIFIED WHOLESALE TRADE

RETAIL TRADE

655. LUMBER AND BUILDING MATERIAL RETAILING
 608. HARDWARE AND FARM EQUIPMENT STORES
 609. DEPARTMENT AND MAIL ORDER ESTABLISHMENTS
 617. LIMITED PRICE VARIETY STORES
 618. VENDING MACHINE OPERATORS
 619. DIRECT SELLING ESTABLISHMENTS
 627. MISCELLANEOUS GENERAL MERCHANDISE STORES
 628. GROCERY STORES
 629. DAIRY PRODUCTS STORES
 637. RETAIL BAKERIES
 638. FOOD STORES
 639. MOTOR VEHICLE DEALERS
 647. TIRE, BATTERY, AND ACCESSORY DEALERS
 648. GASOLINE SERVICE STATIONS
 649. MISCELLANEOUS VEHICLE DEALERS
 657. APPAREL AND ACCESSORIES STORES, EXCEPT SHOE STORES
 658. SHOE STORES
 667. FURNITURE AND HOME FURNISHINGS STORES
 668. HOUSEHOLD APPLIANCES, TV, AND RADIO STORES
 669. EATING AND DRINKING PLACES
 677. DRUG STORES
 678. LIQUOR STORES
 679. FARM AND GARDEN SUPPLY STORES
 687. JEWELRY STORES
 688. FUEL AND ICE DEALERS
 689. RETAIL FLORISTS
 697. MISCELLANEOUS RETAIL STORES
 698. NOT SPECIFIED RETAIL TRADE

FINANCE, INSURANCE, AND REAL ESTATE

707. BANKING
 708. CREDIT AGENCIES
 709. SECURITY, COMMODITY BROKERAGE, AND INVESTMENT
 COMPANIES
 717. INSURANCE
 718. REAL ESTATE, INCLUDING REAL ESTATE INSURANCE LAW
 OFFICES

BUSINESS AND REPAIR SERVICES

727. ADVERTISING
 728. SERVICES TO DWELLINGS AND OTHER BUILDINGS
 729. COMMERCIAL RESEARCH, DEVELOPMENT, AND TESTING LABS
 737. EMPLOYMENT AND TEMPORARY HELP AGENCIES
 738. BUSINESS MANAGEMENT AND CONSULTING SERVICES
 739. COMPUTER PROGRAMMING SERVICES
 747. DETECTIVE AND PROTECTIVE SERVICES
 748. BUSINESS SERVICES
 749. AUTOMOBILE SERVICES, EXCEPT REPAIR
 757. AUTOMOBILE REPAIR AND RELATED SERVICES
 758. ELECTRICAL REPAIR SHOPS
 759. MISCELLANEOUS REPAIR SERVICES

PERSONAL SERVICES

769. PRIVATE HOUSEHOLDS
 777. HOTELS AND MOTELS

- 778. LODGING PLACES, EXCEPT HOTELS AND MOTELS
- 779. LAUNDERING, CLEANING, AND OTHER GARMENT SERVICES
- 787. BEAUTY SHOPS
- 788. BARBER SHOPS
- 789. SHOE REPAIR SHOPS
- 797. DRESSMAKING SHOPS
- 798. MISCELLANEOUS PERSONAL SERVICES

ENTERTAINMENT AND RECREATION SERVICES

- 807. THEATERS AND MOTION PICTURES
- 808. BOWLING ALLEYS, BILLIARD AND POOL PARLORS
- 809. MISCELLANEOUS ENTERTAINMENT AND RECREATION SERVICES

PROFESSIONAL AND RELATED SERVICES

- 828. OFFICES OF PHYSICIANS
- 829. OFFICES OF DENTISTS
- 837. OFFICES OF CHIROPRACTORS
- 838. HOSPITALS
- 839. CONVALESCENT INSTITUTIONS
- 847. OFFICES OF HEALTH PRACTITIONERS
- 848. HEALTH SERVICES
- 849. LEGAL SERVICES
- 857. ELEMENTARY AND SECONDARY SCHOOLS
- 858. COLLEGES AND UNIVERSITIES
- 859. LIBRARIES
- 867. EDUCATIONAL SERVICES
- 868. NOT SPECIFIED EDUCATIONAL SERVICES
- 869. MUSEUMS, ART GALLERIES, AND ZOOS
- 877. RELIGIOUS ORGANIZATIONS
- 878. WELFARE SERVICES
- 879. RESIDENTIAL WELFARE FACILITIES
- 887. NONPROFIT MEMBERSHIP ORGANIZATIONS
- 888. ENGINEERING AND ARCHITECTURAL SERVICES
- 889. ACCOUNTING, AUDITING, AND BOOKKEEPING SERVICES
- 897. MISCELLANEOUS PROFESSIONAL AND RELATED SERVICES

PUBLIC ADMINISTRATION

- 907. POSTAL SERVICE
- 917. FEDERAL PUBLIC ADMINISTRATION
- 927. STATE PUBLIC ADMINISTRATION
- 937. LOCAL PUBLIC ADMINISTRATION
- 999. INDUSTRY NOT REPORTED
- 000. INAP.

□

>> CITIES WITH POPULATION OF 25,000 OR More Revised 7/82

This list was developed from the 1973 World Almanac and Book of Facts, pp. 152188 (1970 population figurer).

The first four digits are a unique code number for each city.

The fifth digit in the urbanicity code for each city, as used in the 1971 quality of Life study (468110).

1 = city of over 1,000,000

2 = city of over 25,000 and up to 250,000 in an SMSA of 1,000,000
or more
3 = city of under 25,000 in an SHEA of 1,000,000 or more
4 = city of over 250,000 and up to 1,000,000
5 = city of over 50,000 and up to 250,000 not in SMSA of 1,000,000
or more
6 = city of 50,000 or less not in SMSA of 1,000,000 or more
9 = NA

* Place added in 1982 (having population of 25,000+ in 1980 census) coded on basis of 1970 status in area. (see example Chandler, Arizona-it's SMSA was not over one million in 1970, so coded 6 here. This was done to avoid glaring inconsistencies in adjacent areas. The areas affected by this decision are the four places where the population of the SMSA topped the one million mark between 1970 and 1980 (Phoenix, Arizona; San Antonio, Texas; Ft Lauderdale/Hollywood, Florida; Sacramento, California).

(141)ALABAMA

0001 6. Anniston	0008 5. Huntsville
*0015 6. Auburn	0009 5. Mobile
0002 6. Bessemer	0010 5. Montgomery
0003 4. Birmingham	0011 6. Phenix City
0004 6. Decatur	0012 6. Prichard
0005 6. Dothan	0013 6. Selma
0006 6. Florence	0014 5. Tuscaloosa
0007 5. Gadsden	

(180)ALASKA

0100 6. Anchorage

(161)ARIZONA

*0208 6. Chandler	0204 5. Scottsdale
0200 6. Flagstaff	*0209 6. Sun City
0201 6. Glendale	0205 5. Tempe
0202 5. Mesa	0206 4. Tucson
0203 4. Phoenix	0207 6. Yuma

(142)ARKANSAS

0300 6. Blytheville	0305 6. Jonesboro
0301 6. El Dorado	0306 5. Little Rock
0302 6. Fayetteville	0307 5. North Little Rock
0303 5. Fort Smith	0308 5. Pine Bluff
0304 6. Hot Springs	0309 5. West Memphis
*0310 6. Jacksonville	

(171)CALIFORNIA

0400 2. Alameda	0474 5. Modesto
0401 2. Alhambra	0475 2. Monrovia
0402 2. Altadena	0476 2. Montebello
0403 2. Anaheim	0477 6. Monterey
0404 2. Antioch	0478 2. Monterey Park
0405 2. Arcadia	0479 2. Mountain View

0406	5.	Arden-Arcade	0480	6.	Napa
0407	2.	Azusa	0481	2.	National City
0408	5.	Bakersfield	0482	2.	Newark
0409	2.	Baldwin Park	0483	2.	Newport Beach
*0557	2.	Bell	0484	6.	North Highlands
0410	2.	Bellflower	0485	2.	Norwalk
0411	2.	Bell Gardens	0486	2.	Novato
0412	2.	Belmont	0487	4.	Oakland
0413	2.	Berkley	0488	2.	Oceanside
0414	2.	Beverly Hills			
0489	2.	Ontario	*0558	2.	Brea
0490	2.	Orange	0415	2.	Buena Park
0491	5.	Oxnard			
0416	2.	Burbank	0492	2.	Pacifica
0417	2.	Burlingame	*0576	2.	Palm Springs
*0559	6.	Camarillo	0493	2.	Palo Alto
0418	2.	Campbell	0494	2.	Palos Verdes Peninsula
*0560	2.	Carlsbad	0495	2.	Paramount
0419	6.	Carmichael	0496	6.	Parkway-Sacramento South
			0497	2.	Pasadena
0420	2.	Carson	0498	6.	Petaluma
0421	2.	Castro Valley	0499	2.	Pico Rivera
*0561	2.	Cerritos	*0577	2.	Pittsburg
*0562	6.	Chico	*0578	2.	Placentia
*0563	2.	Chino	0500	2.	Pleasant Hill
0422	2.	Chula Vista	*0579	2.	Pleasanton
*0564	6.	Citrus Heights	0501	2.	Pomona
0423	2.	Claremont	*0580	2.	Poway
*0565	6.	Clovis	0502	6.	Rancho Cordova
0424	2.	Compton	*0581	2.	Rancho Cucamonga
0425	2.	Concord	*0582	2.	Rancho Palos Verdes
0426	2.	Corona	*0583	6.	Redding
0427	2.	Costa Mesa	0503	2.	Redlands
0428	2.	Covina	0504	2.	Redondo Beach
0429	2.	Culver City	0505	2.	Redwood City
*0566	2.	Cupertino	0506	2.	Rialto
0430	2.	Cypress	0507	2.	Richmond
0431	2.	Daly City	0508	2.	Riverside
*0567	2.	Danville	0509	2.	Rosemead
0432	6.	Davis	*0584	2.	Rowland Heights
*0568	2.	Diamond Bar	0510	4.	Sacramento
0433	2.	Downey	0511	5.	Salinas
0434	2.	East Los Angeles	0512	2.	San Bernardino
0435	2.	El Cajon	0513	2.	San Bruno
0436	2.	El Cerrito	0514	2.	San Carlos
0437	2.	El Monte	*0585	2.	San Clemente
*0569	2.	El Toro	0515	4.	San Diego
0438	2.	Escondido	0516	4.	San Francisco
0439	6.	Eureka	0517	2.	San Gabriel
0440	6.	Fairfield	0518	4.	San Jose
0441	2.	Florence-Graham	0519	2.	San Leandro
*0570	2.	Fontana	0520	2.	San Lorenzo
0442	2.	Fountain Valley	0521	6.	San Luis Obispo
0443	2.	Fremont	0522	2.	San Mateo
0444	5.	Fresno	0523	2.	San Rafael
0445	2.	Fullerton	0524	2.	Santa Ana
0446	2.	Gartena	0525	5.	Santa Barbara
0447	2.	Garden Grove	0526	2.	Santa Clara
0448	2.	Glendale	0527	6.	Santa Cruz
0449	2.	Glendora			

0450	2.	Hacienda Heights	0528	6.	Santa Maria
0451	2.	Hawthorne	0529	2.	Santa Monica
0452	2.	Hayward	0530	5.	Santa Rosa
0453	2.	Huntington Beach	*0586	2.	Santee
0454	2.	Huntington Park	0531	2.	Saratoga
0455	2.	Inglewood	0532	2.	Seal Beach
*0571	2.	Irvine	0533	6.	Seaside
*0572	2.	Laguna Hills	0534	5.	Simi Valley
0456	2.	La Habra	0535	2.	South Gate
0457	2.	Lakewood	0536	2.	South San Francisco
0458	2.	La Mesa			
0537	2.	South Whittier	0459	2.	La Mirada
0538	2.	Spring Valley	0460	2	Lancaster
0539	5.	Stockton			
0461	2.	La Puente	0540	2.	Sunnyvale
0462	2.	Lawndale	0541	2.	Temple City
0463	2.	Livermore	0542	6.	Thousand Oaks
0464	6.	Lodi			
0543	2.	Torrance	0465	6.	Lompoc
*0587	6.	Turlock	0466	4.	Long Beach
*0588	2.	Tustin			
0467	2.	Los Altos	0544	2.	Tustin-Foothills
0468	1.	Los Angeles	*0589	2.	Union City
0469	2.	Los Gatos	0545	2.	Upland
0470	2.	Lyawood	*0590	6.	Vacaville
0471	2.	Manhattan Beach	0546	5.	Vallejo
*0473	6.	Manteca	0547	5.	Ventura
0472	2.	Menlo Park	0548	6.	Visalia
*0574	6.	Merced	0549	2.	Vista
0473	2.	Milpitas	0550	2.	Walnut Creek
*0575	2.	Mission Viejo			
0551	2.	West Covina			
0552	2.	West Hollywood			
0553	2.	Westminster			
0554	9.	Westmont			
0555	2.	Whittier			
0556	2.	Willowbrook			
*0591	6.	Woodland			
*0592	2.	Yorba Linda			

(162) COLORADO

0600	2.	Arvada	0609	2.	Littleton
0601	2.	Aurora	*0614	2.	Longmont
0602	2.	Boulder	*0615	6.	Loveland
0603	5.	Colorado Springs	0610	9.	North Glenn
0604	4.	Denver	0611	5.	Pueblo
0605	2.	Englewood	*0616	2.	South Glenn
0606	6.	Fort Collins	*0617	2.	Thornton
*0613	6.	Grand Junction	*0618	2.	Westminster
0607	6.	Greeley			
0612	2.	Wheat Ridge			
0608	2.	Lakewood			

(101) CONNECTICUT

0700	5.	Bridgeport --Jet	0717	6.	Newington
0701	5.	Bristol	0718	6.	New London
0702	5.	Danbury	0719	5.	Norwalk
0703	5.	East Hartford	0720	6.	Norwich

0704 6. East Haven	0721 6. Shelton
0705 6. Enfield	0722 6. Southington
0706 5. Fairfield	0723 5. Stamford
0707 5. Greenwich	0724 6. Stratford
0708 6. Groton	0725 6. Torrington
0709 6. Harden	0726 6. Trumbull
0710 5. Hartford	0727 6. Vernon
0711 6. Mancheater	0728 6. Wallingford
0712 5. Meriden	0729 5. Waterbury
0713 6. Middletown	0730 5. West Hartford
0714 5. Milford	0731 5. West Haven
*0734 6. Naugatuck	0732 6. Westport
0715 5. New Britain	0733 6. Wetherafield
0716 5. New Haven	*0735 6. Windsor

(111) DELAWARE

*0801 6. Newark	0800 5. Wilmington
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(155) DISTRICT OF COLUMBIA

0900 4. Washington

(143) FLORIDA

1000 6. Boca Raton	1017 6. Merritt Island
*1032 6. Boynton Beach	1018 4. Miami
*1033 6. Bradenton	1019 2. Miami Beach
*1034 6. Cape Coral	*1046 6. Miramar
1001 2. Carol City	
1020 2. North Miami	
1002 2. Clearwater	1021 2. North Miami Beach
1003 2. Coral Gables	*1047 6. Ocala
*1035 6. Coral Springs	*1048 2. Olympia Heights
1004 6. Daytona Beach	1022 5. Orlando
*1036 6. Deerfield Beach	1023 6. Panama City
*1037 6. Delray Beach	*1049 6. Pembroke Pines
*1038 2. Dunedin	
1024 5. Pensacola	1005 5. Fort Lauderdale
*1050 6. Pine Hills	
1007 6. Fort Myers	*1051 2. Pinellas Park
1008 6. Fort Pierce	*1052 6. Plantation
1009 5. Gainesville	
1025 6. Pompano Beach	*1039 6. Hallandale
*1053 6. Port Charlotte	
1010 2. Hialeah	*1054 6. Riviera Beach
1011 5. Hollywood	1026 2. St. Petersburg
1012 4. Jacksonville	
1027 6. Sarasota	*1040 2. Kendale Lakes
*1055 6. Sunrise	1013 2. Kendall
1028 5. Tallahassee	
1014 6. Key West	*1056 2. Tamarac
1015 6. Lakeland	1029 4. Tampa
*1041 6. Lake Worth	1030 6. Titusville
*1042 2. Largo	*1057 2. Town n' Country
*1043 6. Lauderdale Lakes	
*1058 2. Westchester	*1044 6. Lauderhill
*1059 2. West Little River	*1045 6. Margate
1031 5. West Palm Beach	

1016 6. Melbourne

(144) GEORGIA

1100 5. Albany	1108 2. Marietta
1101 6. Athens	*1115 2. North Atlanta
1102 4. Atlanta	1109 6. Rome
1103 5. Augusta	*1116 2. Sandy Springs
*1113 2. Candler-McAfee	1110 5. Savannah
1104 5. Columbus	*1117 6. South Augusta
1105 2. East Point	*1118 2. Tucker
1106 6. Fort Benning	1111 6. Valdosta
*1114 2. Mableton	1112 6. Warner Robins
1107 5. Macon	

(181) HAWAII

*1205 6. Aiea	1203 6. Panoehē
1200 6. Hilo	*1206 6. Pearl City
1201 4. Honolulu	1204 6. Wiapahu
1202 6. Kailua	

(163) IDAHO

1300 5. Boise City	*1304 6. Nampa
1301 6. Idaho Falls	1303 6. Pocatello
1302 6. Lewiston	*1305 6. Twin Falls

(121) ILLINOIS

1400 2. Addison	*1466 2. Hoffman Estates
1401 2. Alton	1431 2. Joliet
1402 2. Arlington Heights	1432 6. Kankakee
1403 2. Aurora	1433 2. Lansing
1404 2. Belleville	1434 2. Lombard
1405 2. Berwyn	1435 2. Maywood
1406 6. Bloomington	1436 6. Moline
*1461 2. Bolingbrook	1437 2. Morton Grove
1407 2. Burbank	
1438 2. Mount Prospect	
1408 2. Calumet City	*1467 2. Naperville
*1462 6. Carbondale	1439 2. Niles
1409 2. Carpentersville	1440 6. Normal
1410 5. Champaign	1441 2. Northbrook
1411 1. Chicago	1442 2. North Chicago
1412 2. Chicago Heights	*1468 2. Oak Forest
1413 2. Cicero	1443 2. Oak Lawn
1414 6. Danville	1444 2. Oak Park
1415 5. Decatur	1445 2. Palatine
*1463 6. DeKalb	1446 2. Park Forest
1416 2. Des Plaines	1447 2. Park Ridge
1417 2. Dolton	1448 6. Pekin
1418 2. Downers Grove	1449 5. Peoria
1419 2. East St. Louis	1450 6. Quincy
1420 2. Elgin	1451 6. Rantoul
*1464 2. Elk Grove	1452 5. Rockford
1421 2. Elmhurst	1453 5. Rock Island
1422 2. Elmwood Park	*1469 2. Schaumburg
1423 2. Evanston	1454 2. Skokie
1424 2. Evergreen Park	*1470 2. South Holland

1425 6. Freeport	1455 5. Springfield
1426 6. Galesburg	*1471 2. Tinley Park
1427 2. Glenview	1456 6. Urbana
1428 2. Granite City	1457 2. Villa Park
*1465 2. Hanover Park	1458 2. Waukegan
1429 2. Harvey	1459 2. Wheaton
1430 2. Highland Park	1460 2. Wilmette

(122) INDIANA

1500 5. Anderson	1512 6. Lafayette
1501 6. Bloomington	*1521 2. Lawrence
1502 6. Columbus	1513 6. Marion
1503 2. East Chicago	*1522 2. Merrillville
1504 6. Elkhart	1514 6. Michigan City
1505 5. Evansville	1515 6. Mishawaka
1506 5. Fort Wayne	1516 5. Muncie
1507 2. Gary	1517 6. New Albany
1508 2. Hammond	*1523 2. Portage
1509 2. Highland	1518 6. Richmond
1510 4. Indianapolis	1519 5. South Bend
1511 6. Kokomo	1520 5. Terre Haute

(131) IOWA

1600 6. Ames	1608 5. Dubuque
*1616 6. Bettendorf	1609 6. Fort Dodge
1601 6. Burlington	
1610 6. Iowa City	1602 6. Cedar Falls
1611 6. Marshalltown	1603 5. Cedar Rapids
1612 6. Mason City	1604 6. Clinton
1613 6. Ottawa	
1605 5. Council Bluffs	1614 5. Sioux City
1606 5. Davenport	1615 5. Waterloo
1607 5. Des Moines	

(151) KENTUCKY

1800 6. Ashland	1804 5. Lexington-Fayette
1801 6. Bowling Green	1805 4. Louisville
1802 2. Covington	
1806 2. Newport	
1803 6. Fort Knox	1808 6. Paducah
*1812 6. Henderson	1809 6. Pleasure Ridge Park
*1813 6. Hopkinsville	
1810 6. Valley Station	

(145) LOUISIANA

1900 6. Alexandria	1907 5. Lake Charles
1901 5. Baton Rouge	1908 2. Marrero
1902 6. Bossier City	1909 2. Metalrie
*1914 2. Chalmette	1910 5. Monroe
1903 2. Gretna	1911 6. New Iberia
1904 6. Houma	1912 4. New Orleans
1905 2. Kenner	1913 5. Shreveport
1906 5. Lafayette	*1915 2. Slidell

(102) MAINE

2000 6. Auburn	2002 6. Lewiston
2001 6. Bangor	2003 5. Portland

(132) KANSAS

*1710 6. Emporia	1705 2. Overland Park
1700 6. Hutchinson	1706 2. Prairie Village
1701 2. Kansas City	1707 6. Salina
1702 6. Lawrence	*1712 2. Shawnee
1703 6. Leavenworth	1708 5. Topeka
1704 6. Manhattan	1709 4. Wichita
*1711 2. Olathe	

(152) MARYLAND

2100 2. Annapolis	2111 6. Hagerstown
*2123 2. Aspen Hill	2112 9. Hillcrest Heights
2101 4. Baltimore	*2127 2. Locheam
2102 2. Bethesda	2113 2. Lutherville-Timonium
2103 2. Bowie	2114 2. Parkville
2104 2. Catonsville	2115 2. Pikesville
2105 2. Chillum	*2130 2. Potomac
2106 2. College Park	2116 2. Randallstown
*2124 2. Columbia	2117 2. Rockville
2107 6. Cumberland	*2131 2. Security
2108 2. Dundalk	2118 2. Silver Spring
2109 2. Essex	2119 2. Suitland-Silver Hill
*2125 6. Frederick	2120 2. Towson
2126 2. Gaithersburg	2121 2. Wheaton-Glenmont
2110 2. Glen Burnie	

(103) MASSACHUSETTS

*2260 6. Agawam	2230 6. Marlborough
2200 6. Amherst	2231 2. Medford
2201 6. Andover	2232 2. Melrose
2202 2. Arlington	2233 6. Methuen
2203 6. Attleboro	2234 2. Milton
*2261 6. Barnstable	2235 2. Natick
2204 2. Belmont	2236 2. Needham
2205 2. Beverly	2237 5. New Bedford
2206 6. Billerica	2238 2. Newton
2207 4. Boston	2239 6. Northampton
2208 2. Braintree	2240 2. Norwood
2209 5. Brockton	2241 2. Peabody
2210 2. Brookline	2242 5. Pittsfield
2211 2. Cambridge	*2262 6. Plymouth
2212 6. Chelmsford	2243 2. Quincy
2213 2. Chelsea	2244 2. Randolph
2214 5. Chicopee	2245 2. Revere
2215 2. Danvers	2246 2. Salem
2216 2. Dedham	2247 2. Saugua
2217 2. Everett	2248 2. Somerville
2218 5. Fall River	2249 5. Springfield
2219 6. Fitchburg	*2263 2. Stoughton
2220 2. Framingham	2250 6. Tauton
2221 6. Gloucester	2251 2. Wakefield

2222	6.	Haverhill	2252	2.	Waltham
2223	5.	Holyoke	2253	2.	Watertown
2224	5.	Lawrence	2254	2.	Wellesley
2225	6.	Leominster	2255	6.	Westfield
2226	2.	Lexington	2256	6.	West Springfield
2227	5.	Lowell	2257	2.	Weymouth
2228	5.	Lynn	2258	2.	Hoburn
2229	2.	Malden	2259	5.	Worcester

(123) MICHIGAN

2300	2.	Allen Park	2322	2.	Livonia
2301	5.	Ann Arbor	2323	2.	Madison Heights
*2345	2.	Avon Twp	2324	6.	Midland
2302	6.	Battle Creek	2325	6.	Muskegon
2303	6.	Bay City	2326	2.	Oak Park
2304	2.	Birmingham	2327	2.	Pontiac
*2346	2.	Bloomfield Twp	2328	6.	Portage
*2347	6.	Burton	2329	6.	Port Huron
*2348	2.	Clinton Twp	*2351	2.	Redford Twp
2305	2.	Dearborn	*2352	2.	Romulus
2306	2.	Dearborn Heights	2330	2.	Roseville
2307	1.	Detroit	2331	2.	Royal Oak
2308	2.	East Detroit	2332	5.	Saginaw
2309	6.	East Lansing	2333	2.	St. Clair Shores
*2349	2.	Farmington Hills	2334	2.	Southfield
2310	2.	Ferndale	2335	2.	Southgate
2311	5.	Flint	2336	2.	Sterling Heights
2312	2.	Garden City	2337	2.	Taylor
2313	5.	Grand Rapids	2338	2.	Trenton
2314	2.	Hamtramick	2339	2.	Troy
2315	2.	Highland Park	2340	2.	Warren
2316	6.	Holland	*2353	2.	Waterford
2317	2.	Inkster	*2354	2.	West Bloomfield Twp
2318	6.	Jackson	2341	2.	Westland
2319	5.	Kalamazoo	2342	2.	Wyandotte
*2350	6.	Kentwood	2343	5.	Wyoming
2320	5.	Lansing	2344	6.	Ypsilanti
2321	2.	Lincoln Park			

(146) MISSISSIPPI

2500	6.	Biloxi	2505	5.	Jackson
2501	6.	Columbus	2506	6.	Laurel
2502	6.	Greenville	2507	6.	Neridian
2503	6.	Gulfport	2508	6.	Pascagoula
2504	6.	Hattiesburg	2509	6.	Vicksburg

(134) MISSOURI

2600	2.	Affton	2610	2.	Kirkwood
*2620	2.	Blue Springs	*2622	2.	Lee's Summit
2601	6.	Cape Girardeau	2611	2.	Lemay
2602	5.	Columbia	2612	2.	Overland
2603	2.	Ferguson	2613	2.	Raytown
2604	2.	Florissant	2614	2.	St. Charles
2605	6.	Fort Leonard Wood	2615	5.	St. Joseph
*2621	2.	Gladstone	2616	4.	St. Louis
2606	2.	Independence	2617	5.	Springfield

2607 6. Jefferson City
 2608 4. Joplin
 2609 4. Kansas City

2618 2. University City
 2619 2. Webster Groves

(133) MINNESOTA

2400 6. Austin
 *2423 2. Blaine
 2401 2. Bloomington
 2402 2. Brooklyn Center
 2403 6. Brooklyn Park
 *2424 2. Burnsville
 2404 2. Coon Rapids
 2405 2. Crystal
 2406 5. Duluth
 2407 2. Edina
 2408 2. Fridley
 2409 2. Golden Valley
 2410 6. Mankato

2411 9. Maplewood
 2412 4. Minneapolis
 2413 2. Minnetonka
 2414 6. Moorhead
 *2425 2. Plymouth
 2415 2. Richfield
 2416 5. Rochester
 2417 2. Roseville
 2418 6. St. Cloud
 2419 2. St. Louis Park
 2420 4. St. Paul
 2421 2. South St. Paul
 2422 6. Winona

(164) MONTANA

2700 5. Billings
 *2703 6. Butte-Silver Bow

2701 5. Great Falls
 2702 6. Missoula

(135) NEBRASKA

2800 6. Grand Island
 2801 5. Lincoln

2802 4. Omaha

(165) NEVADA

*2905 6. Carwn City
 2900 5. Las Vegas
 2901 6. North Laa Vegas
 *2906 6. Sunriai Manor
 2902 6. Paradiae

2903 5. Reno
 2904 6. Sparka

(104) NEW HAMPSHIRE

3000 6. Concord
 3001 5. Manchester

3002 5. Nashua
 3003 6. Portsmouth

(112) NEW JERSEY

3100 6. Atlantic City
 3101 2. Bayonne
 3102 2. Belleville
 3103 2. Bergenfield
 3104 2. Bloomfield
 3136 2. New Brunswick
 3105 6. Brick Twp.
 3106 2. Camden
 3107 2. Cherry Hill Twp.
 3139 2. Nutley
 3140 2. Old Bridge

3132 5. Middletown Twp.
 3133 2. Montclair
 3134 5. Neptune Twp.
 3135 6. Newark
 3137 9. New Hanover
 3138 2. North Bergen Twp.
 3108 2. Clifton

3109	2.	Cranford Twp.	3141	2.	Orange
3110	2.	Deptford Twp.	3142	2.	Paramus
3111	2.	East Brunswick Twp.	*3153	2.	Paraippany - Troy Hills
3112	2.	East Orange	3143	2.	Passaic
3113	2.	Etison T'wp	3144	2.	Paterson
3114	2.	Elizabeth	3145	2.	Pennsauken Twp
3115	2.	Englewood	3146	2.	Perth Amboy
3116	9.	Ewing Twp.	3147	2.	Piscataway Twp.
3117	2.	Fair Lawn	3148	2.	Plainfield
3118	6.	Fort Dix	3149	2.	Rahway
3119	2.	Fort Lee	3150	2.	Ridgewood
3120	2.	Garfield	3151	2.	Sayreville
3121	2.	Hackeneack	3152	2.	Teaneck Twp.
3122	2.	Hoboken	3153	5.	Trenton
3123	2.	Irvington	3154	2.	Union Twp.
3124	4.	Jersey City	3155	2.	Union City
3125	2.	Kearny	3156	6.	Vineland
3126	2.	Linden	3157	2.	Wayne Twp.
3127	2.	Livingston Twp	3158	2.	Westfield
3128	2.	Lodi	3159	2.	West New York
3129	6.	Long Branch	3160	5.	West Orange
3130	2.	Maplewood Twp.	3161	2.	Willingboro Twp.
3131	2.	Mercerville-Hamilton Sq.	3162	2.	Woodbridge Twp.

(166) HEW MEXICO

3200	5.	Albuquerque	3203	6.	Las Cruces
*3207	6.	Carlabat	3204	6.	Roswell
3201	6.	Clovis	3205	6.	Santa Fe
*3208	6.	Farmington	3206	6.	South Valley
3202	6.	Hobbs			

(113) NEW YORK

3300	5.	Albany	3327	2.	Long Beach
3301	6.	Amsterdam	3328	2.	Massapaqua
3302	6.	Auburn	3329	2.	Merrick
3303	2.	Baldwin	3330	2.	Mount Vernon
3304	5.	Binghamton	3331	6.	Newvurgh
3305	2.	Brentwood	3332	2.	New City
*3354	6.	Brighton	3333	2.	New Rochelle
3306	4.	Buffalo	3334	1.	New York
*3355	2.	Centereach	3335	2.	Niagra Falls
3307	2.	Central Islip	3336	2.	North Babylon
*3356	2.	Cheektowaga	*3360	2.	North Bay Shore
3308	2.	Cossack	3337	2.	North Tonawanda
3309	2.	Deer Park	3338	2.	Oceanside
*3357	2.	Dix Hills	3339	2.	Plainview
3310	2.	East Meadow	3340	2.	Port Chester
3311	6.	Elmira	3341	6.	Poughkeepsie
3312	2.	Elmont	3342	4.	Rochester
3313	2.	Franklin Square	3343	2.	Rockville Centre
3314	2.	Freeport	3344	5.	Rome
3315	2.	Garden City	3345	6.	Rotterdam
3316	2.	Glen Cove	3346	5.	Schenectady
3317	2.	Hempstead	*3361	2.	Smithtown
3318	2.	Hicksville	3347	5.	Syracuse
3319	2.	Huntington Station	3362	2.	Tonawanda
*3358	6.	Irondequoit	3348	5.	Troy
3320	6.	Ithaca	3349	5.	Utica

3321	6.	Jamestown	3350	2.	Valley Stream
3322	6.	Kingston	3351	6.	Watertown
3323	2.	Lackawanna	*3363	2.	West Babylon
*3359	2.	Lake Ronkonkoma	*3364	2.	West Islip
3324	2.	Levittown	*3365	2.	West Seneca
3325	2.	Lindenhurst	3352	2.	White Plains
3326	2.	Lockport	3353	2.	Yonkers

(147) NORTH CAROLINA

3400	5.	Asheville	3410	5.	Greensboro
3401	6.	Burlington	3411	6.	Greenville
3402	6.	Camp Lejeune	3412	5.	High Point
3403	6.	Chapel Hill	3413	6.	Rannapolis
3404	5.	Charlotte	3414	5.	Raleigh
3405	5.	Durham	3415	6.	Rocky Mount
3406	5.	Fayetteville	3416	6.	Wilmington
3407	6.	Fort Bragg	3417	6.	Wilson
3408	6.	Gastonia	3418	5.	Winston-Salem
3409	6.	Goldaboro	*3419	6.	Winston

(136) NORTH DAKOTA

3500	6.	Bismarck	3502	6.	Grand Forks
3501	5.	Fargo	3503	6.	Minot

(124) OHIO

3600	4.	Akron	3624	6.	Lancaster
3601	6.	Alliance	3625	5.	Lima
3602	6.	Athens	3626	5.	Lorain
3603	6.	Austintown	3627	5.	Mansfield
3604	6.	Barberton	3628	2.	Maple Heights
*3651	6.	Beavercreek	3629	6.	Marion
3605	6.	Boardman	3630	6.	Massillon
*3652	6.	Bowling Green	3631	2.	Mentor
3606	2.	Brook Park	3632	6.	Middletown
*3653	2.	Brunswick	3633	6.	Newark
3607	5.	Canton	3634	2.	North Olmsted
3608	4.	Cincinnati	3635	2.	Norwood
3609	4.	Cleveland	3636	2.	Parma
3610	2.	Cleveland Heights	3637	9.	Parma Heights
3611	4.	Columbus	3638	6.	Portsmouth
3612	6.	Cuyahoga Falls	3639	6.	Sandusky
3613	5.	Dayton	3640	2.	Shaker Heights
*3654	2.	Delhi Hills	3641	2.	South Euclid
3614	2.	East Cleveland	3642	5.	Springfield
3615	5.	Elyria	3643	6.	Steubenville
3616	2.	Euclid	*3657	6.	Stow
3617	6.	Fairborn	*3658	2.	Strongsville
*3655	6.	Fairfield	3644	4.	Toledo
3618	6.	Findlay	3645	2.	Upper Arlington
3619	2.	Garfield Heights	3646	5.	Warren
3620	5.	Hamilton	3647	2.	Whitehall
*3656	6.	Huber Heights	3648	2.	Xenia
3621	6.	Kent	3649	5.	Youngstown
3622	5.	Kettering	3650	6.	Zanesville
3623	2.	Lakewood			

(153) OKLAHOMA

3700 6. Bartlesville	3705 6. Muskogee
*3712 6. Broken Arrow	3706 5. Norman
3701 6. Del City	3707 4. Oklahoma City
*3713 6. Edmont	3708 6. Ponca City
3702 6. Enid	3709 6. Shawnee
3703 5. Lawton	3710 6. Stilwater
3704 6. Midwest City	3711 4. Tulsa
*3714 6. Moore	

(172) OREGON

*3806 6. Albany	*3810 2. Hillsboro
*3807 2. Beaverton	3802 6. Medford
3800 6. Corvallis	3803 4. Portland
3801 5. Eugene	3804 5. Salem
*3808 2. Gresham	3805 6. Springfield
*3809 2. Haxlewood	

(114) PENNSYLVANIA

*3928 2. Abington Twp	3915 6. New Castle
3900 5. Allentown	3916 2. Norristown
3901 5. Altoona	*3937 2. Penn Hills
3902 9. Baldwin	
3917 1. Philadelphia	*3929 2. Bensalem Twp
3918 4. Pittsburgh	3903 2. Bethel Park
*3938 2. Plum	
3904 5. Bethlehem	3919 2. Pottstown
*3930 2. Bristol Twp	*3939 2. Radnor Twp
*3931 2. Cheltenham	3920 5. Reading
3905 2. Chester	*3940 2. Ridley Twp
3906 6. Easton	*3941 2. Ross Twp
3907 5. Erie	
3921 5. Scranton	*3932 2. Falls Twp
*3942 2. Shaler Twp	3908 5. Harrisburg
*3943 2. Springfield	
*3933 2. Haverford Twp	3922 6. State College
3909 6. Hasleton	*3944 2. Upper Darby
3910 6. Johnstown	*3945 2. Upper Merion
3911 5. Lancaster	*3946 2. Upper Moreland Twp
3912 6. Lebanon	*3947 2. Warminster
*3934 2. Lower Merion Twp	3923 2. West Mifflin
*3935 2. McCandless Twp	3924 5. Wilkes-Barre
3913 2. McKeesport	3925 2. Wilkinsburg
3914 2. Monroeville	3926 6. Williamsport
*3936 2. Mount Lebanon	3927 5. York

(105) RHODE ISLAND

*4012 6. Coventry	4006 6. North Providence
4000 5. Cranston	4007 5. Pawtucket
4001 6. Cumberland	4008 5. Providence
4002 6. East Providence	4009 5. Warwick
4003 6. Middletown	4010 6. West Warwick
4004 6. Newport	4011 6. Woonsocket
4005 6. North Ringetown	

(148) SOUTH CAROLINA

4100 6. Anderson	*4108 6. North Charleston
4101 5. Charleston	4105 6. Rock Hill
4102 5. Columbia	4106 6. Spartanburg
4103 6. Florence	4107 6. Sumter
4104 5. Greenville	

(137) SOUTH DAKOTA

4200 6. Aberdeen	4202 5. Sioux Falls
4201 6. Rapid City	

(154) TENNESSEE

4300 5. Chattanooga	4304 6. Kingsport
4301 6. Clarksville	4305 5. Knoxville
*4310 6. Cleveland	4306 4. Memphis
*4311 6. Columbia	4307 6. Murfreesboro
*4312 6. Hendersonville	4308 4. Nashville-Davidson
4302 6. Jackson	4309 6. Oak Ridge
4303 6. Johnson City	

(149) TEXAS

4400 5. Abilene	4424 2. Irving
4401 5. Amarillo	4425 6. Killeen
4402 5. Arlington	4426 6. Kingsville
4403 4. Austin	4427 5. Laredo
4404 2. Baytown	4428 6. Longview
4405 5. Bearmont	4429 5. Lubbock
4406 6. Big Spring	*4451 6. Lufkin
4407 5. Brownsville	4430 6. McAllen
4408 6. Bryan	4431 2. Mesquite
*4447 2. Carrollton	4432 5. Midland
*4448 6. College Station	*4452 6. Nacogdoches
4409 5. Corpus Christi	*4453 2. North Richland Hills
4410 4. Dallas	4433 5. Odessa
*4449 6. Del Rio	*4454 Paris
4411 6. Denison	4434 2. Pasadena
4412 2. Denton	*4455 2. Plano
*4450 2. Duncanville	4435 5. Port Arthur
4413 4. El Paso	4436 2. Richardson
4414 2. Farmers Branch	4437 5. San Angelo
4415 9. Fort Hood	4438 4. San Antonio
4416 4. Fort Worth	4439 6. Sherman
4417 5. Galveston	4440 6. Temple
4418 2. Garland	4441 6. Texarkana
4419 2. Grand Prairie	4442 6. Texas City
4420 6. Haltom City	4443 5. Tyler
4421 6. Harlingen	4444 6. Victoria
4422 1. Houston	4445 5. Waco
4423 6. Hurst	4446 5. Wichita Falls

(167) UTAH

4500 6. Bountiful
 4501 6. East Millcreek
 4502 5. Ogden
 4503 6. Orem
 4504 5. Provo
 4505 5. Salt Lake City

*4506 6. Logan
 *4507 6. Murray
 *4508 6. Sandy City
 *4509 6. West Jordan
 *4510 6. West Valley

(106) VERMONT

4600 6. Burlington

(140) VIRGINIA

4700 2. Alexandria
 4701 2. Annandale
 4702 2. Arlington
 *4718 2. Blacksburg
 *4719 2. Burke
 4703 6. Charlottesville
 4704 5. Chesapeake
 *4720 2. Dale City
 4705 6. Danville
 4706 5. Hampton
 4707 9. Jefferson
 4708 5. Lynchburg
 4709 5. Newport News

4710 4. Norfolk
 4711 6. Petersburg
 4712 5. Portsmouth
 *4821 2. McLean
 *4722 2. Reston
 4713 4. Richmond
 4714 5. Roanoke
 4715 6. Staunton
 *4723 6. Suffolk
 *4724 6. Tuckahoe
 4716 5. Virginia Beach
 *4725 2. West Springfield
 4717 2. Wodbridge-Marumsco

(173) WASHINGTON

*4815 2. Auburn
 4800 2. Bellevue
 4801 6. Bellingham
 4802 6. Bremerton
 4810 4. Seattle
 4803 2. Edmonds
 4804 2. Everett
 4805 6. Fort Lewis
 *4816 6. Kennewick
 4806 9. Lakes District
 4807 6. Longview

*4817 6. Olympia
 4808 2. Renton
 4809 6. Richland

 4811 5. Spokane
 4812 2. Tacoma
 4813 5. Vancouver
 *4818 6. Walla Walla
 4814 6. Yakima

(125) WISCONSIN

5000 5. Appleton
 5001 6. Belolt
 5002 2. Brookfield
 5003 6. Eau Claire
 5004 6. Fond Du Lac
 5005 5. Green Bay
 5006 2. Greenfielt
 5007 6. Janesville
 5008 5. Kenocha
 5009 5. La Crosse
 5010 5. Madison
 5011 6. Manitowoc

5012 2. Menomonee Falls
 5013 4. Milwaukee
 5014 2. New Berlin
 5015 5. Oshkosh
 5016 5. Racine
 5017 6. Sheboygan
 5018 6. Superior
 5019 2. Waukesha
 5020 6. Wausau
 5021 2. Wanwatosa
 5022 2. West Allis

(156) WEST VIRGINIA

4900 5. Charleston	4904 6. Parkersburg
4901 6. Fairmont	4905 6. Wierton
4902 5. Huntington	4906 6. Wheeling
4903 6. Morgantown	

(168) WYOMING

5100 6. Casper	5101 6. Cheyenne
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1. The two 1970 Standard Consolidated Areas (New York-Northeastern New Jersey, and* Chicago, Ill.-Northwestern Indiana), the remaining 1970 SMSA's one million or more, plus the Anaheim-Santa Ana-Garden Grove, CA SMSA (which was attached to the Los Angeles SMSA).

□>> 1982 CPS 2 DIGIT OCCUPATION CODE

01. Professional, Technical and Kindred Workers
02. Managers and Administrators, except Farm
03. Sales Workers
04. Clerical and Kindred Workers
05. Craftsmen and Kindred Workers
06. Operatives, except Transport
07. Transport Equipment Operatives
08. Laborers, except Farm
09. Farmers (owners and tenants), Farm Managers,
Farmer--NA type
10. Farm Foreman, Farm Laborer (wage-worker)
11. Service Workers, except Private Household and
Government Protective Services
12. Government Protective Services: Firemen; Police;
Marshals and Constables
13. Private Household Workers
14. Member of Armed Forces
15. Not in LABOR FORCE

98. DK
99. NA

00. INAP

□

>> 1982 FIPS STATE AND COUNTY NOTE

This Note is used in conjunction with variables which record the county of the interview. The first 2 digits of this variable contain the FIPS state code; the last 3 digits contain the county code. Each list of counties for a particular state is preceded by the 2 digit state code and the name of the state. This information was obtained from: U.S. Bureau of the Census, County and City Data Book, 1972.

Alabama

01001 Autauga

01053 Escambia

01003 Baldwin	01055 Etowah
01005 Barbour	01057 Fayette
01007 Bibb	01059 Franklin
01009 Blunt	01061 Geneva
01011 Bullock	01063 Greene
01013 Butler	01065 Hale
01015 Calhoun	01067 Henry
01017 Chambers	01069 Houston
01019 Cherokee	01071 Jackson
01021 Chilton	01073 Jefferson
01023 Choctaw	01075 Lamar
01025 Clarke	01077 Lauderdale
01027 Clay	01079 Lawrence
01029 Cleburne	01081 Lee
01031 Coffee	01083 Limestone
01033 Colbert	01085 Lowndes
01035 Conecuh	01087 Macon
01037 Coosa	01089 Madison
01039 Covington	01091 Marengo
01041 Crenshaw	01093 Marion
01043 Cullman	01095 Marshall
01045 Dale	01097 Mobile
01047 Dallas	01099 Monroe
01049 De Kalb	01101 Montgomery
01051 Elmore	01103 Morgan
01105 Perry	01121 Talladega
01107 Pickens	01123 Tallapoosa
01109 Pike	01125 Tuscaloosa
01111 Randolph	01127 Walker
01113 Russell	01129 Washington
01115 St Clair	01131 Wilcox
01117 Shelby	01133 Winston
01119 Sumter	
02 Alaska	
02010 Aleutian Islands	02160 Kuskokwim
02020 Anchorage	02170
	Matanuska-Susitna
02030 Angoon	02180 Nome
02040 Barrow	02190 Outer
	Ketchikan
02050 Bethel	02200 Prince Of
	Wales
02060 Bristol Bay Borough	02210 Seward
02070 Bristol Bay Division	02220 Sitka
02080 Cordova-Mc Carthy	02230
	Skagway-Yakutat
02090 Fairbanks	02240 Southeast
	Fairbanks
02100 Haines	02250 Upper Yukon
02110 Juneau	02260
	Valdez-Chitina-
	Whittier
02120 Kenai-Cook inlet	02270 Wade Hampton
02130 Ketchikan	02280
	Wrangell-
	Petersburg
02140 Kobuk	02290
	Yukon-Koyukuk

02150 Kodiak

04 Arizona

04001 Apache	04015 Mohave
04003 Cochise	04017 Navajo
04005 Coconino	04019 Pima
04007 Gila	04021 Pinal
04009 Graham	04023 Santa Cruz
04011 Greenlee	04025 Yavapai
04013 Maricopa	04027 Yuma

05 Arkansas

05001 Arkansas	05077 Lee
05003 Ashley	05079 Lincoln
05005 Baxter	05081 Little River
05007 Benton	05083 Logan
05009 Boone	05085 Lonoke
05011 Bradley	05087 Madison
05013 Calhoun	05089 Marion
05015 Carroll	05091 Miller
05017 Chicot	05093 Mississippi
05019 Clark	05095 Monroe
05021 Clay	05097 Montgomery
05023 Cleburne	05099 Nevada
05025 Cleveland	05101 Newton
05027 Columbia	05103 Ouachita
05029 Conway	05105 Perry
05031 Craighead	05107 Phillips
05033 Crawford	05109 Pike
05035 Crittenden	05111 Poinsett
05037 Cross	05113 Polk
05039 Dallas	05115 Pope
05041 Desha	05117 Prairie
05043 Drew	05119 Pulaski
05045 Faulkner	05121 Randolph
05047 Franklin	05123 St Francis
05049 Fulton	05125 Saline
05051 Garland	05127 Scott
05053 Grant	05129 Searcy
05055 Greene	05131 Sebastian
05057 Hempstead	05133 Sevier
05059 Hot Spring	05135 Sharp
05061 Howard	05137 Stone
05063 Independence	05139 Union
05065 Izard	05141 Van Buren
05067 Jackson	05143 Washington
05069 Jefferson	05145 White
05071 Johnson	05147 Woodruff
05073 Lafayette	05149 Yell
05075 Lawrence	

06 California

06001 Alameda	06059 Orange
06003 Alpine	06061 Placer
06005 Amador	06063 Plumas
06007 Butte	06065 Riverside
06009 Calaveras	06067 Sacramento

06011 Coluse	
06069 San Benito	06013 Contra Costa
06071 San Bernardino	
06015 Del Norte	06073 San Diego
06017 El Dorado	06075 San Francisco
	06077 San Joaquin
06019 Fresno	06079 San Luis Obispo
06021 Glenn	06081 San Mateo
	06083 Santa Barbara
06023 Humboldt	06085 Santa Clara
06025 Imperial	06087 Santa Cruz
	06089 Shasta
06027 Inyo	06091 Sierra
06029 Kern	06093 Siskiyou
06031 Kings	06095 Solano
06033 Lake	06097 Sonoma
06035 Lassen	06099 Stanislaus
06037 Los Angeles	06101 Sutter
06039 Madera	06103 Tehama
06041 Marin	06105 Trinity
06043 Mariposa	06107 Tulare
06045 Mendocino	06109 Tuolumne
06047 Merced	06111 Ventura
06049 Modoc	06113 Yolo
06051 Mono	06115 Yuba
06053 Monterey	
06055 Napa	
06057 Nevada	

08 Colorado

08001 Adams	08063 Kit Carson
08003 Alamosa	08065 Lake
08005 Arapahoe	08067 La Plata
08007 Archuleta	08069 Larimer
08009 Baca	08071 Las Animas
08011 Bent	08073 Lincoln
08013 Boulder	08075 Logan
08015 Chaffee	08077 Mesa
08017 Cheyenne	08079 Mineral
08019 Clear Creek	08081 Moffat
08021 Conejos	08083 Montezuma
08023 Costilla	08085 Montrose
08025 Crowley	08087 Morgan
08027 Custer	08089 Otero
08029 Delta	08091 Ouray
08031 Denver	08093 Park
08033 Dolores	08095 Phillips
08035 Douglas	08097 Pitkin
08037 Eagle	08099 Prowers
08039 Elbert	08101 Pueblo
08041 El Paso	08103 Rio Blanco
08043 Fremont	08105 Rio Grande
08045 Garfield	08107 Routt
08047 Gilpin	08109 Saguache
08049 Grand	08111 San Juan
08051 Gunnison	08113 San Miguel
08053 Hinsdale	08115 Sedgwick
08055 Huerfano	08117 Summit
08057 Jackson	08119 Teller

08059 Jefferson
08061 Kiowa

08121 Washington
08123 Weld
08125 Yuma

09 Connecticut

09001 Fairfield
09003 Hartford
09005 Litchfield
09007 Middlesex

09009 New Haven
09011 New London
09013 Tolland
09015 Windham

10 Delaware

10001 Kent
10003 New Castle

10005 Sussex

11 Washington DC

11001 Washington DC

12 Florida

12001 Alachua
12003 Baker
12005 Bay
12007 Bradford
12009 Brevard
12011 Broward
12013 Calhoun
12015 Charlotte
12017 Citrus
12019 Clay
12021 Collier
12023 Columbia
12025 Dade
12027 De Soto
12029 Dixie
12031 Duval
12033 Escambia
12035 Flagler
12037 Franklin
12039 Gadsden
12041 Gilchrist
12043 Glades
12045 Gulf
12047 Hamilton
12049 Hardee
12051 Hendry
12053 Hernando
12055 Highlands
12057 Hillsborough
12059 Holmes
12061 Indian River
12063 Jackson
12065 Jefferson
12067 Lafayette

12069 Lake
12071 Lee
12073 Leon
12075 Levy
12077 Liberty
12079 Madison
12081 Manatee
12083 Marion
12085 Martin
12087 Monroe
12089 Nassau
12091 Okaloosa
12093 Okeechobee
12095 Orange
12097 Osceola
12099 Palm Beach
12101 Pasco
12103 Pinellas
12105 Polk
12107 Putnam
12109 St Johns
12111 St Lucie
12113 Santa Rosa
12115 Sarasota
12117 Seminole
12119 Sumter
12121 Suwannee
12123 Taylor
12125 Union
12127 Volusia
12129 Wakulla
12131 Walton
12133 Washington

13 Georgia

13001 Appling	13165 Jenkins
13003 Atkinson	13167 Johnson
13005 Bacon	13169 Jones
13007 Baker	13171 Lamar
13009 Baldwin	13173 Lanier
13011 Banks	13175 Laurens
13013 Barrow	13177 Lee
13015 Bartow	13179 Liberty
13017 Ben Hill	13181 Lincoln
13019 Berrien	13183 Long
13021 Bibb	13185 Lowndes
13023 Bleckley	13187 Lumpkin
13025 Brantley	13189 Mc Duffie
13027 Brooks	13191 Mc Intosh
13029 Bryan	13193 Macon
13031 Bulloch	13195 Madison
13033 Burke	13197 Marion
13035 Butts	13199 Meriwether
13037 Calhoun	13201 Miller
13039 Camden	13205 Mitchell
13043 Candler	13207 Monroe
13045 Carroll	13209 Montgomery
13047 Catoosa	13211 Morgan
13049 Chariton	13213 Murray
13051 Chatham	13215 Muscogee
13053 Chattahoochee	13217 Newton
13055 Chattooga	13219 Oconee
13057 Cherokee	13221 Oglethorpe
13059 Clarke	13223 Paulding
13061 Clay	13225 Peach
13063 Clayton	13227 Pickens
13065 Clinch	13229 Pierce
13067 Cobb	13231 Pike
13069 Coffee	13233 Polk
13071 Colquitt	13235 Pulaski
13073 Columbia	13237 Putnam
13075 Cook	13239 Quitmar
13077 Coweta	13241 Rabun
13079 Crawford	13243 Randolph
13081 Crisp	13245 Richmond
13083 Dade	13247 Rockdale
13085 Dawson	13249 Schiey
13087 Decatur	13251 Screven
13089 De Kalb	13253 Seminole
13091 Dodge	13255 Spalding
13093 Dooly	13257 Stephens
13095 Dougherty	13259 Stewart
13097 Douglas	13261 Sumter
13099 Early	13263 Talbot
13101 Echols	13265 Talieferro
13103 Effingham	13267 Tattnall
13105 Elbert	13269 Taylor
13107 Emanuel	13271 Telfair
13109 Evans	13273 Terrell
13111 Fannin	13275 Thomas
13113 Fayette	13277 Tift
13115 Floyd	13279 Toombs
13117 Forsyth	13281 Towns
13119 Franklin	13283 Treutlen
13121 Fulton	13285 Troup

13123 Gilmer	13287 Turner
13125 Glascock	13289 Twiggs
13127 Glynn	13291 Union
13129 Gordon	13293 Upson
13131 Grady	13295 Walker
13133 Greene	13297 Walton
13135 Gwinnett	13299 Ware
13137 Habersham	13301 Warren
13139 Hall	13303 Washington
13141 Hancock	13305 Wayne
13143 Haralson	13307 Webster
13145 Harris	13309 Wheeler
13147 Hart	13311 White
13149 Heard	13313 Wheatfield
13151 Henry	13315 Wilcox
13153 Houston	13317 Wilkes
13155 Irwin	13319 Wilkinson
13157 Jackson	13321 Worth
13159 Jasper	
13161 Jeff Davis	
13163 Jefferson	

15 Hawaii

15001 Hawaii	15007 Kauai
15003 Honolulu	15009 Maui

16 Idaho

16001 Ada	16045 Gem
16003 Adams	16047 Goadling
16005 Bannock	16049 Idaho
16007 Bear Lake	16051 Jefferson
16009 Benewah	16053 Jerome
16011 Bingham	16055 Kootenai
16013 Blaine	16057 Latah
16015 Boise	16059 Lemhi
16017 Bonner	16061 Lewis
16019 Bonneville	16063 Lincoln
16021 Boundary	16065 Madison
16023 Butte	16067 Minidoka
16025 Camas	16069 Nez Perce
16027 Canyon	16071 Oneida
16029 Caribou	16073 Owyhee
16031 Cassia	16075 Payette
16033 Clark	16077 Power
16035 Clearwater	16079 Shoshone
16037 Custer	16081 Teton
16039 Elmore	16083 Twin Falls
16041 Franklin	16085 Valley
16043 Fremont	16087 Washington

17 Illinois

17001 Adams	17103 Lee
17003 Alexander	17105 Livingston
17005 Bond	17107 Logan
17007 Boone	17109 Mc Donough
17009 Brown	17111 Mc Henry
17011 Bureau	17113 Mc Lean

17013	Calhoun	17115	Macon
17015	Carroll	17117	Macoupin
17017	Cass	17119	Madison
17019	Champaign	17121	Marion
17021	Christian	17123	Marshall
17023	Clark	17125	Mason
17025	Clay	17127	Massac
17027	Clinton	17129	Menard
17029	Coles	17131	Mercer
17031	Cook	17133	Monroe
17033	Crawford	17135	Montgomery
17035	Cumberland	17137	Morgan
17037	De Kalb	17139	Moultrie
17039	De Witt	17141	Ogle
17041	Douglas	17143	Peoria
17043	Du Page	17145	Perry
17045	Edgar	17147	Piatt
17047	Edwards	17149	Pike
17049	Effinaham	17151	Pope
17051	Fayette	17153	Pulaski
17053	Ford	17155	Putnam
17055	Franklin	17157	Randolph
17057	Fulton	17159	Richland
17059	Gallatin	17161	Rock Island
17061	Greene	17163	St Clair
17063	Grundy	17165	Saline
17065	Hamilton	17167	Sangamon
17067	Hancock	17169	Schuyler
17069	Hardin	17171	Scott
17071	Henderson	17173	Shelby
17073	Henry	17175	Stark
17075	Iroquois	17177	Stephenson
17077	Jackson	17179	Tazewell
17079	Jasper	17181	Union
17081	Jefferson	17183	Vermilion
17083	Jersey	17185	Wabash
17085	Jo Davies	17187	Warren
17087	Johnson	17189	Washington
17089	Kane	17191	Wayne
17091	Kankskee	17193	White
17093	Kendall	17195	Whiteside
17095	Knox	17197	Will
17097	Lake	17199	Williamson
17099	La Salle	17201	Winnebago
17101	Lawrence	17203	Woodford

18 Indiana

18001	Adams	18093	Lawrence
18003	Allen	18095	Madison
18005	Bartholomew	18097	Marion
18007	Benton	18099	Marshall
18009	Blackford	18101	Martin
18011	Boone	18103	Miami
18013	Brown	18105	Monroe
18015	Carroll	18107	Montgomery
18017	Cass	18109	Morgan
18019	Clark	18111	Newton
18021	Clay	18113	Noble
18023	Clinton	18115	Ohio

18025 Crawford	18117 Orange
18027 Davies	18119 Owen
18029 Dearborn	18121 Parke
18031 Decatur	18123 Perry
18033 De Kalb	18125 Pike
18035 Delaware	18127 Porter
18037 Dubois	18129 Posey
18039 Elkhart	18131 Pulaski
18041 Fayette	18133 Putnam
18043 Floyd	18135 Randolph
18045 Fountain	18137 Ripley
18047 Franklin	18139 Rush
18049 Fulton	18141 St Joseph
18051 Gibson	18143 Scott
18053 Grant	18145 Shelby
18055 Greene	18147 Spencer
18057 Hamilton	18149 Starke
18059 Hancock	18151 Steuben
18061 Harrison	18153 Sullivan
18063 Hendricks	18155 Switzerland
18065 Henry	18157 Tippecanoe
18067 Howard	18159 Tipton
18069 Huntington	18161 Union
18071 Jackson	18163 Vanderburgh
18073 Jasper	18165 Vermillion
18075 Jay	18167 Vigo
18077 Jefferson	18169 Wabash
18079 Jennings	18171 Warren
18081 Johnson	18173 Warrick
18083 Knox	18175 Washington
18085 Kosciusko	18177 Wayne
18087 Lagrange	18179 Wells
18089 Lake	18181 White
18091 La Porte	18183 Whitley

19 Iowa

19001 Adair	19101 Jefferson
19003 Adams	19103 Johnson
19005 Allamakee	19105 Jones
19007 Appanoose	19107 Keokuk
19009 Audubon	19109 Kossuth
19011 Benton	19111 Lee
19013 Black Hawk	19113 Linn
19015 Boone	19115 Louisa
19017 Bremer	19117 Lucas
19019 Buchanan	19119 Lyon
19021 Buena Vista	19121 Madison
19023 Butler	19123 Mahaska
19025 Calhoun	19125 Marion
19027 Carroll	19127 Marshall
19029 Cass	19129 Mills
19031 Cedar	19131 Mitchell
19033 Cerro Gordo	19133 Monona
19035 Cherokee	19135 Monroe
19037 Chickasaw	19137 Montgomery
19039 Clarke	19139 Muscatine
19041 Clay	19141 O'Brien
19043 Clayton	19143 Osceola
19045 Clinton	19145 Page

19047 Crawford	19147 Palo Alto
19049 Dallas	19149 Plymouth
19051 Davis	19151 Pocahontas
19053 Decatur	19153 Polk
19055 Delaware	19155 Pottawattamie
19057 Des Moines	19157 Poweshiek
19059 Dickinson	19159 Ringgold
19061 Dubuque	19161 Sac
19063 Emmet	19163 Scott
19065 Fayette	19165 Shelby
19067 Floyd	19167 Sioux
19069 Franklin	19169 Story
19071 Fremont	19171 Tama
19073 Greene	19173 Taylor
19075 Grundy	19175 Union
19077 Guthrie	19177 Van Buren
19079 Hamilton	19179 Wapello
19081 Hancock	19181 Warren
19083 Hardin	19183 Washington
19085 Harrison	19185 Wayne
19087 Henry	19187 Webster
19089 Howard	19189 Winnebago
19091 Humboldt	19191 Winneshiek
19093 Ida	19193 Woodbury
19095 Iowa	19195 Worth
19097 Jackson	19197 Wright
19099 Jasper	
20 Kansas	
20001 Allen	20107 Linn
20003 Anderson	20109 Logan
20005 Atchison	20111 Lyon
20007 Barber	20113 Mc Pherson
20009 Barton	20115 Marion
20011 Bourbon	20117 Marshall
20013 Brown	20119 Meade
20015 Butler	20121 Miami
20017 Chase	20123 Mitchell
20019 Chautauqua	20125 Montgomery
20021 Cherokee	20127 Morris
20023 Cheyenne	20129 Morton
20025 Clark	20131 Nemaha
20027 Clay	20133 Neosho
20029 Cloud	20135 Ness
20031 Coffey	20137 Norton
20033 Comanche	20139 Osage
20035 Cowley	20141 Osborne
20037 Crawford	20143 Ottawa
20039 Decatur	20145 Pawnee
20041 Dickinson	20147 Phillips
20043 Doniphan	20149 Pottawatomie
20045 Douglas	20151 Pratt
20047 Edwards	20153 Rawlins
20049 Elk	20155 Reno
20051 Ellis	20157 Republic
20053 Ellsworth	20159 Rice
20055 Finney	20161 Riley
20057 Ford	20163 Rooks

20059 Franklin	20165 Rush
20061 Geary	20167 Russell
20063 Gove	20169 Saline
20065 Graham	20171 Scott
20067 Grant	20173 Sedgwick
20069 Gray	20175 Seward
20071 Greeley	20177 Shawnee
20073 Greenwood	20179 Sheridan
20075 Hamilton	20181 Sherman
20077 Harper	20183 Smith
20079 Harvey	20185 Stafford
20081 Haskell	20187 Stanton
20083 Hodgeman	20189 Stevens
20085 Jackson	20191 Sumner
20087 Jefferson	20193 Thomas
20089 Jewell	20195 Trego
20091 Johnson	20197 Wabaunsee
20093 Kearny	20199 Wallace
20095 Kingman	20201 Washington
20097 Kiowa	20203 Wichita
20099 Labette	20205 Wilson
20101 Lane	20207 Woodson
20103 Leavenworth	20209 Wyandotte
20105 Lincoln	

21 Kentucky

21001 Adair	21121 Knox
21003 Allen	21123 Larue
21005 Anderson	21125 Laurel
21007 Ballard	21127 Lawrence
21009 Barren	21129 Lee
21011 Bath	21131 Leslie
21013 Bell	21133 Letcher
21015 Boone	21135 Lewis
21017 Bourbon	21137 Lincoln
21019 Boyd	21139 Livingston
21021 Boyle	21141 Logan
21023 Bracken	21143 Lyon
21025 Breathed	21145 Mc Cracken
21027 Breckinridge	21147 Mc Creary
21029 Bullitt	21149 Mc Lean
21031 Butler	21151 Madison
21033 Caldwell	21153 Magoffin
21035 Calloway	21155 Marion
21037 Campbell	21157 Marshall
21039 Carlisle	21159 Martin
21041 Carroll	21161 Mason
21043 Carter	21163 Meade
21045 Casey	21165 Menifee
21047 Christian	21167 Mercer
21049 Clark	21169 Metcalfe
21051 Clay	21171 Monroe
21053 Clinton	21173 Montgomery
21055 Crittenden	21175 Morgan
21057 Cumberland	21177 Muhlenberg
21059 Daviess	21179 Nelson
21061 Edmonson	21181 Nicholas
21063 Elliott	21183 Ohio
21065 Estill	21185 Oldham

21067	Fayette	21187	Owen
21069	Fleming	21189	Owsley
21071	Floyd	21191	Pendleton
21073	Franklin	21193	Perry
21075	Fulton	21195	Pike
21077	Gallatin	21197	Powell
21079	Garrard	21199	Pulaski
21081	Grant	21201	Robertson
21083	Graves	21203	Rockcastle
21085	Grayson	21205	Rowan
21087	Green	21207	Russell
21089	Greenup	21209	Scott
21091	Hancock	21211	Shelby
21093	Hardin	21213	Simpson
21095	Harlan	21215	Spencer
21097	Harrison	21217	Taylor
21099	Hart	21219	Todd
21101	Henderson	21221	Trigg
21103	Henry	21223	Trimble
21105	Hickman	21225	Union
21107	Hopkins	21227	Warren
21109	Jackson	21229	Washington
21111	Jefferson	21231	Wayne
21113	Jessamine	21233	Webster
21115	Johnson	21235	Whitley
21117	Kenton	21237	Wolfe
21119	Knott	21239	Woodford

22 Louisiana

22001	Acadia	22065	Madison
22003	Allen	22067	Morehouse
22005	Ascension	22069	Natchitoches
22007	Assumption	22071	Oricans
22009	Avoyelles	22073	Ouachita
22011	Beauregard	22075	Plaquemines
22013	Bienville	22077	Pointe Coupee
22015	Bossier	22079	Rapides
22017	Caddo	22081	Red River
22019	Calcasieu	22083	Richland
22021	Caldwell	22085	Sabine
22023	Cameron	22087	St Bernard
22025	Catahoula	22089	St Charies
22027	Claiborne	22091	St Helena
22029	Concordia	22093	St James
22031	De Soto	22095	St John The Baptist
22033	East Baton Rouge	22097	St Landry
22035	East Carroll	22099	St Martin
22037	East Feliciana	22101	St Mary
22039	Evangeline	22103	St Tammany
22041	Franklin	22105	Tangipahoa
22043	Grant	22107	Tensas
22045	Iberia	22109	Terrebonne
22047	Iberville	22111	Union
22049	Jackson	22113	Vermilion
22051	Jefferson	22115	Vernon
22053	Jefferson Davis	22117	Washington

22055 Lafayette	22119 Webster
22057 Lafourche	22121 West Baton Rouge
22059 La Salle	22123 West Carroll
22061 Lincoln	22125 West Feliciana
22063 Livingston	22127 Winn
23 Maine	
23001 Androscoggin	23017 Oxford
23003 Aroostook	23019 Penobscot
23005 Cumberland	23021 Piscataquis
23007 Franklin	23023 Sagadahoc
23009 Hancock	23025 Somerset
23011 Kennebec	23027 Waldo
23013 Knox	23029 Washington
23015 Lincoln	23031 York
24 Maryland	
24001 Allegany	24027 Howard
24003 Anne Arundel	24029 Kent
24005 Baltimore	24031 Montgomery
24009 Calvert	24033 Prince Georges
24011 Caroline	24035 Queen Annes
24013 Carroll	24037 St Marys
24015 Cecil	24039 Somerset
24017 Charles	24041 Talbot
24019 Dorchester	24043 Washington
24021 Frederick	24045 Wicomico
24023 Garrett	24047 Worcester
24025 Harfo	24510 Baltimore City
25 Massachusetts	
25001 Barnstable	25015 Hampshire
25003 Berkshire	25017 Middlesex
25005 Bristol	25019 Nantucket
25007 Dukes	25021 Norfolk
25009 Essex	25023 Plymouth
25011 Franklin	25025 Suffolk
25013 Hampden	25027 Worcester
26 Michigan	
26001 Alcona	26085 Lake
26003 Alger	26087 Lapeer
26005 Allegan	26089 Leelanau
26007 Alpena	26091 Lenawee
26009 Antrim	26093 Livingston
26011 Arenac	26095 Luce
26013 Baraga	26097 Mackinac
26015 Barry	26099 Macomb
26017 Bay	26101 Manistee
26019 Benzie	26103 Marquette
26021 Berrien	26105 Mason
26023 Branch	26107 Mecosta

26025	Calhoun	26109	Menominee
26027	Cass	26111	Midland
26029	Charlevoix	26113	Missaukee
26031	Cheboygan	26115	Monroe
26033	Chippewa	26117	Montcalm
26035	Clare	26119	Montmorency
26037	Clinton	26121	Muskegon
26039	Crawford	26123	Newaygo
26041	Delta	26125	Oakland
26043	Dickinson	26127	Oceana
26045	Eaton	26129	Ogemaw
26047	Emmet	26131	Ontonagon
26049	Genesee	26133	Osceola
26051	Gladwin	26135	Oscoda
26053	Gogebic	26137	Otseco
26055	Grand Traverse	26139	Ottawa
26057	Gratiot	26141	Presque Isle
26059	Hillsdale	26143	Roscommon
26061	Houghton	26145	Saginaw
26063	Huron	26147	St Clair
26065	Ingham	26149	St Joseph
26067	Ionia	26151	Sanilac
26069	Iosco	26153	Schoolcraft
26071	Iron	26155	Shiawassee
26073	Isabella	26157	Tuscola
26075	Jackson	26159	Van Buren
26077	Kalamazoo	26161	Washtenaw
26079	Kalkaska	26163	Wayne
26081	Kent	26165	Wexford
26083	Keweenaw		

27 Minnesota

27001	Aitkin	27089	Marshall
27003	Anoka	27091	Martin
27005	Becker	27093	Meeker
27007	Beltrami	27095	Mille Lacs
27009	Benton	27097	Morrison
27011	Big Stone	27099	Mower
27013	Blue Earth	27101	Murray
27015	Brown	27103	Nicollet
27017	Carlton	27105	Nobles
27019	Carver	27107	Norman
27021	Cass	27109	Olmsted
27023	Chippewa	27111	Otter Tail
27025	Chicago	27113	Pennington
27027	Clay	27115	Pine
27029	Clearwater	27117	Pipestone
27031	Cook	27119	Polk
27033	Cottonwood	27121	Pope
27035	Crow Wing	27123	Ramsey
27037	Dakota	27125	Red Lake
27039	Dodge	27127	Redwood
27041	Douglas	27129	Renville
27043	Faribault	27131	Rice
27045	Fillmore	27133	Rock
27047	Freeborn	27135	Roseau
27049	Goodhue	27137	St Louis
27051	Grant	27139	Scott
27053	Hennepin	27141	Sherburne

27055	Houston	27143	Sibley
27057	Hubbard	27145	Stearns
27059	Isanti	27147	Steele
27061	Itasca	27149	Stevens
27063	Jackson	27151	Swift
27065	Kanabec	27153	Todd
27067	Kandiyohi	27155	Traverse
27069	Kittson	27157	Wabasha
27071	Koochiching	27159	Wadena
27073	Lac Qui Parle	27161	Waseca
27075	Lake	27163	Washington
27077	Lake Of The Woods	27165	Watonwan
27079	Le Soeur	27167	Wilkin
27081	Lincoln	27169	Winona
27083	Lyon	27171	Wright
27085	Mc Lead	27173	Yellow Medicine
27087	Mahnomen		

28 Mississippi

28001	Adams	28083	Leflore
28003	Alcorn	28085	Lincoln
28005	Amite	28087	Lowndes
28007	Attala	28089	Madison
28009	Benton	28091	Marion
28011	Bolivar	28093	Marshall
28013	Calhoun	28095	Monroe
28015	Carroll	28097	Montgomery
28017	Chickasaw	28099	Neshoba
28019	Choctaw	28101	Newton
28021	Claiborne	28103	Noxubee
28023	Clarke	28105	Oktibbeha
28025	Clay	28107	Panola
28027	Coahoma	28109	Pearl River
28029	Copiah	28111	Perry
28031	Covington	28113	Pike
28033	De Soto	28115	Pontotoc
28035	Forrest	28117	Prentiss
28037	Franklin	28119	Quitman
28039	George	28121	Rankin
28041	Greene	28123	Scott
28043	Grenada	28125	Sharkey
28045	Hancock	28127	Simpson
28047	Harrison	28129	Smith
28049	Hinds	28131	Stone
28051	Holmes	28133	Sunflower
28053	Humphreys	28135	Tallahatchie
28055	Issaquena	28137	Tate
28057	Itawamba	28139	Tippah
28059	Jackson	28141	Tishomingo
28061	Jasper	28143	Tunica
28063	Jefferson	28145	Union
28065	Jefferson Davis	28147	Walthall
28067	Jones	28149	Warren
28069	Kemper	28151	Washington
28071	Lafayette	28153	Wayne
28073	Lamar	28155	Webster
28075	Lauderdale	28157	Wilkinson
28077	Lawrence	28159	Winston
28079	Leake	28161	Yalobusha

28081 Lee

28163 Yazoo

29 Missouri

29001 Adair	29117 Livingston
29003 Andrew	29119 Mc Donald
29005 Atchison	29121 Macon
29007 Audrain	29123 Madison
29009 Barry	29125 Maries
29011 Barton	29127 Marion
29013 Bates	29129 Mercer
29015 Benton	29131 Miller
29017 Bollinger	29133 Mississippi
29019 Boone	29135 Moniteau
29021 Buchanan	29137 Monroe
29023 Butler	29139 Montgomery
29025 Caldwell	29141 Morgan
29027 Callaway	29143 New Madrid
29029 Camden	29145 Newton
29031 Cape Girardeau	29147 Nodaway
29033 Carroll	29149 Oregon
29035 Carter	29151 Osage
29037 Cass	29153 Ozark
29039 Cedar	29155 Pemiscot
29041 Chariton	29157 Perry
29043 Christian	29159 Pettis
29045 Clark	29161 Phelps
29047 Clay	29163 Pike
29049 Clinton	29165 Platte
29051 Cole	29167 Polk
29053 Cooper	29169 Pulaski
29055 Crawford	29171 Putnam
29057 Dade	29173 Ralls
29059 Dallas	29175 Randolph
29061 Davies	29177 Ray
29063 De Kalb	29179 Reynolds
29065 Dent	29181 Ripley
29067 Douglas	29183 St Charles
29069 Dunklin	29185 St Clair
29071 Franklin	29187 St Francois
29073 Gasconade	29189 St Louis
29075 Gentry	29193 Ste Genevieve
29077 Greene	29195 Saline
29079 Grundy	29197 Schuyler
29081 Harrison	29199 Scotland
29083 Henry	29201 Scott
29085 Hickory	29203 Shannon
29087 Halt	29205 Shelby
29089 Howard	29207 Stoddard
29091 Howell	29209 Stone
29093 Iron	29211 Sullivan
29095 Jackson	29213 Taney
29097 Jasper	29215 Texas
29099 Jefferson	29217 Vernon
29101 Johnson	29219 Warren
29103 Knox	29221 Washington
29105 Laclede	29223 Wayne
29107 Lafayette	29225 Webster
29109 Lawrence	29227 Worth

29111 Lewis	29229 Wright
29113 Lincoln	29510 St Louis City
29115 Linn	
30 Montana	
30001 Beaverhead	30059 Meagher
30003 Big Horn	30061 Mineral
30005 Blaine	30063 Missoula
30007 Broadwater	30065 Musselshell
30009 Carbon	30067 Park
30011 Carter	30069 Petroleum
30013 Cascade	30071 Phillips
30015 Chouteau	30073 Pondera
30017 Custer	30075 Powder River
30019 Daniels	30077 Powell
30021 Dawson	30079 Prairie
30023 Deer Lodge	30081 Ravalli
30025 Fallon	30083 Richland
30027 Fergus	30085 Roosevelt
30029 Flathead	30087 Rosebud
30031 Gallatin	30089 Sanders
30033 Garfield	30091 Sheridan
30035 Glacier	30093 Silver Bow
30037 Golden Valley	30095 Stillwater
30039 Granite	30097 Sweet Grass
30041 Hill	30099 Teton
30043 Jefferson	30101 Toole
30045 Judith Basin	30103 Treasure
30047 Lake	30105 Valley
30049 Lewis and Clark	30107 Wheatland
30051 Liberty	30109 Wibaux
30053 Lincoln	30111 Yellowstone
30055 Mc Cone	30113 Yellowstone National Park
30057 Madison	
31 Nebraska	
31001 Adams	31095 Jefferson
31003 Antelope	31097 Johnson
31005 Arthur	31099 Kearney
31007 Banner	31101 Keith
31009 Blaine	31103 Keya Paha
31011 Boone	31105 Kimball
31013 Box Butte	31107 Knox
31015 Boyd	31109 Lancaster
31017 Brown	31111 Lincoln
31019 Buffalo	31113 Logan
31021 Burt	31115 Loup
31023 Butler	31117 Mc Pherson
31025 Cass	31119 Madison
31027 Cedar	31121 Merrick
31029 Chase	31123 Morrill
31031 Cherry	31125 Nance
31033 Cheyenne	31127 Nemaha
31035 Clay	31129 Nuckolls
31037 Colfax	31131 Otoe
31039 Coming	31133 Pawnee

31041	Custer	31135	Perkins
31043	Dakota	31137	Phelps
31045	Dawes	31139	Pierce
31047	Dawson	31141	Platte
31049	Deuel	31143	Polk
31051	Dixon	31145	Red Willow
31053	Dodge	31147	Richardson
31055	Douglas	31149	Rock
31057	Dundy	31151	Saline
31059	Fillmore	31153	Sarpy
31061	Franklin	31155	Saunders
31063	Frontier	31157	Scotts Bluff
31065	Furnas	31159	Seward
31067	Gage	31161	Sheridan
31069	Garden	31163	Sherman
31071	Garfield	31165	Sioux
31073	Gosper	31167	Stanton
31075	Grant	31169	Thayer
31077	Greeley	31171	Thomas
31079	Hall	31173	Thurston
31081	Hamilton	31175	Valley
31083	Harlan	31177	Washington
31085	Hayes	31179	Wayne
31087	Hitchcock	31181	Webster
31089	Holt	31183	Wheeler
31091	Hooker	31185	York
31093	Howard		

34 New Jersey

34037	Sussex	34041	Warren
34039	Union		

35 New Mexico

35001	Bernalillo	35031	Mc Kinley
35003	Caron	35033	Mora
35005	Chaves	35035	Otero
35007	Colfax	35037	Quay
35009	Curry	35039	Rio Arriba
35011	De Baca	35041	Roosevelt
35013	Dona Ana	35043	Sandoval
35015	Eddy	35045	San Juan
35017	Grant	35047	San Miguel
35019	Guadalupe	35049	Santa Fe
35021	Harding	35051	Sierra
35023	Hidalgo	35053	Socorro
35025	Lea	35055	Taos
35027	Lincoln	35057	Torrance
35028	Los Alamos	35059	Union
35029	Luna	35061	Valencia

36 New York

36001	Albany	36011	Cayuga
36003	Allegany	36013	Chautauqua
36005	Bronx	36015	Chemung
36007	Broome	36017	Chenango
36009	Cattaraugus	36019	Clinton

37 North Carolina

37001 Alamance	37051 Cumberland
37003 Alexander	37053 Currituck
37005 Alleghany	37055 Dare
37007 Anson	37057 Davidson
37009 Ashe	37059 Davie
37011 Avery	37061 Duplin
37013 Beaufort	37063 Durham
37015 Bertie	37065 Edgecombe
37017 Bladen	37067 Forsyth
37019 Brunswick	37069 Franklin
37021 Buncombe	37071 Gaston
37023 Burke	37073 Gates
37025 Cabarrus	37075 Graham
37027 Caldwell	37077 Granville
37029 Camden	37079 Greene
37031 Carteret	37081 Guilford
37033 Caswell	37083 Halifax
37035 Catawba	37085 Harnett
37037 Chatham	37087 Haywood
37039 Cherokee	37089 Henderson
37041 Chowan	37091 Hertford
37043 Clay	37093 Hoke
37045 Cleveland	37095 Hyde
37047 Columbus	37097 Iredell
37049 Craven	37099 Jackson

38 North Dakota

38001 Adams	38053 Mc Kenzie
38003 Barnes	38055 Mc Lean
38005 Benson	38057 Mercer
38007 Billings	38059 Morton
38009 Bottineau	38061 Mountrail
38011 Bowman	38063 Nelson
38013 Burke	38065 Oliver
38015 Burleigh	38067 Pembina
38017 Cass	38069 Pierce
38019 Cavalier	38071 Ramsey
38021 Dickey	38073 Ransom
38023 Divide	38075 Renville
38025 Dunn	38077 Richland
38027 Eddy	38079 Rolette
38029 Emmons	38081 Sargent
38031 Foster	38083 Sheridan
38033 Golden Valley	38085 Sioux
38035 Grand Forks	38087 Slope
38037 Grant	38089 Stark
38039 Griggs	38091 Steele
38041 Hettinger	38093 Stutsman
38043 Kidder	38095 Towner
38045 La Moure	38097 Traill
38047 Logan	38099 Walsh
38049 Mc Henry	38101 Ward
38051 Mc Intosh	38103 Wells

39 Ohio

39097	Madison	39137	Putnam
39099	Mahoning	39139	Richland
39101	Marion	39141	Ross
39103	Medina	39143	Sandusky
39105	Meigs	39145	Scioto
39107	Mercer	39147	Seneca
39109	Miami	39149	Shelby
39111	Monroe	39151	Stark
39113	Montgomery	39153	Summit
39115	Morgan	39155	Trumbull
39117	Morrow	39157	Tuscarawas
39119	Muskingum	39159	Union
39121	Noble	39161	Van Wert
39123	Ottawa	39163	Vinton
39125	Paulding	39165	Warren
39127	Perry	39167	Washington
39129	Pickaway	39169	Wayne
39131	Pike	39171	Williams
39133	Portage	39173	Wood
39135	Preble	39175	Wyandot

40 Oklahoma

40001	Adair	40131	Rogers
40003	Alfalfa	40133	Seminole
40005	Atoka	40135	Sequoyah
40007	Beaver	40137	Stephens
40009	Beckham	40139	Texas
40011	Blaine	40141	Tillman
40013	Bryan	40143	Tulsa
40015	Caddo	40145	Wagoner
40017	Canadian	40147	Washington
40125	Pottawatomie	40149	Washita
40127	Pushmataha	40151	Woods
40129	Roger Mills	40153	Woodward

41 Oregon

41001	Baker	41035	Klamath
41003	Benton	41037	Lake
41005	Clackamas	41039	Lane
41007	Clatsop	41041	Lincoln
41009	Columbia	41043	Linn
41011	Coos	41045	Malheur
41013	Crook	41047	Marion
41015	Curry	41049	Morrow
41017	Deschutes	41051	Multnomah
41019	Douglas	41053	Polk
41021	Gilliam	41055	Sherman
41023	Grant	41057	Tillamook
41025	Harney	41059	Umatilla
41027	Hood River	41061	Union
41029	Jackson	41063	Wallowa
41031	Jefferson	41065	Wasco
41033	Josephine	41067	Washington

42 Pennsylvania

42095	Northampton	42115	Susquehanna
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42097 Northumberland	42117 Tioga
42099 Perry	42119 Union
42101 Philadelphia	42121 Venango
42103 Pike	42123 Warren
42105 Potter	42125 Washington
42107 Schuylkill	42127 Wayne
42109 Snyder	42129 Westmoreland
42111 Somerset	42131 Wyoming
42113 Sullivan	42133 York

44 Rhode Island

44001 Bristol	44007 Providence
44003 Kent	44009 Washington
44005 Newport	

45 South Carolina

45001 Abbeville	46075 Jones
45003 Aiken	46077 Kingsbury
45005 Allendale	46079 Lake
45007 Anderson	46081 Lawrence
45009 Bamberg	46083 Lincoln
45011 Barnwell	46085 Lyman
45013 Beaufort	46087 Mc Cook
45015 Berkeley	46089 Mc Pherson
45017 Calhoun	46091 Marshall
45019 Charleston	46093 Meade
45021 Cherokee	46095 Meillette
45023 Chester	46097 Miner
45025 Chesterfield	46099 Minnehaha
45027 Clarendon	46101 Moody
45029 Colleton	46103 Pennington
45031 Darlington	46105 Perkins
45033 Dillon	46107 Potter
45035 Dorchester	46109 Roberts
45037 Edgefield	46111 Sanborn
45039 Fairfield	46113 Shannon
45049 Faulk	46115 Spink
45051 Grant	46117 Stanley
45053 Gregory	46119 Sully
45055 Haakon	46121 Todd
45057 Hamlin	46123 Tripp
45059 Hand	46125 Turner
45061 Hanson	46127 Union
45063 Harding	46129 Walworth
45065 Hughes	46131 Washabaugh
46067 Hutchinson	46135 Yankton
46069 Hyde	46137 Ziebach
46071 Jackson	
46073 Jerauld	

47 Tennessee

47001 Anderson	47149 Rutherford
47003 Bedford	47151 Scott
47005 Benton	47153 Sequatchie
47007 Bledsoe	47155 Sevier
47009 Blount	47157 Shelby
47117 Marshall	47159 Smith

47119	Maury	47161	Stewart
47121	Meigs	47163	Sullivan
47123	Monroe	47165	Sumner
47125	Montgomery	47167	Tipton
47127	Moore	47169	Trousdale
47129	Morgan	47171	Unicoi
47131	Obion	47173	Union
47133	Overton	47175	Van Buren
47135	Perry	47177	Warren
47137	Pickett	47179	Washington
47139	Polk	47181	Wayne
47141	Putnam	47183	Weakley
47143	Rhea	47185	White
47145	Roane	47187	Williamson
47147	Robertson	47189	Wilson

48 Texas

48001	Anderson	48361	Orange
48003	Andrews	48363	Palo Pinto
48005	Angelina	48365	Panola
48007	Aransas	48367	Parker
48009	Archer	48369	Parmer
48011	Armstrong	48371	Pecos
48013	Atascosa	48373	Polk
48015	Austin	48375	Potter
48017	Bailey	48377	Presidio
48019	Bandera	48379	Rains
48021	Bastrop	48381	Randall
48023	Baylor	48383	Reagan
48131	Duval	48385	Real
48133	Eastland	48387	Red River
48135	Ector	48389	Reeves
48137	Edwards	48391	Refugio
48139	Ellis	48393	Roberts
48141	El Paso	48395	Robertson
48143	Erath	48397	Rockwall
48145	Falls	48399	Runnels
48147	Fannin	48401	Rusk
48149	Fayette	48403	Sabine
48151	Fisher	48405	San Augustine
48153	Floyd	48407	San Jacinto
48155	Foard	48409	San Patricia
48157	Fort Bend	48411	San Saba
48159	Franklin	48413	Schleicher
48161	Freestone	48415	Scurry
48163	Frio	48417	Shackelford
48165	Gaines	48419	Shelby
48167	Galveston	48421	Sherman
48169	Garza	48423	Smith
48171	Gillespie	48425	Somervell
48173	Glascok	48427	Starr
48175	Goliad	48429	Stephens
48177	Gonzales	48431	Sterling
48179	Gray	48433	Stonewall
48181	Grayson	48435	Sutton
48183	Gregg	48437	Swiskier
48185	Grimes	48439	Tarrant

48187	Guadalupe	48441	Taylor
48189	Hale	48443	Terrell
48191	Hall	48445	Terry
48193	Hamilton	48447	Throckmorton
48195	Hansford	48449	Titus
48197	Hardeman	48451	Tom Green
48199	Hardin	48453	Travis
48201	Harris	48455	Trinity
48203	Harrison	48457	Tyler
48205	Hartley	48459	Upshur
48207	Haskell	48461	Upton
48209	Hays	48463	Uvaide
48211	Hemphill	48465	Val Verde
48213	Henderson	48467	Van Zandt
48215	Hidalgo	48469	Victoria
48217	Hill	48471	Walker
48219	Hockley	48473	Waller
48221	Hood	48475	Ward
48223	Hopkins	48477	Washington
48225	Houston	48479	Webb
48227	Howard	48481	Wharton
48229	Hudspeth	48483	Wheeler
48231	Hunt	48485	Wichita
48233	Hutchinson	48487	Wilbarger
48235	Irion	48489	Willacy
48343	Morris	48491	Williamson
48345	Motley	48493	Wilson
48347	Nacogdoches	48495	Winkler
48349	Navarro	48497	Wise
48351	Newton	48499	Wood
48353	Nolan	48501	Yoakum
48355	Nueces	48503	Young
48357	Ochiitree	48505	Zapata
48359	Oldham	48507	Zavala

49 Utah

49001	Beaver	49031	Piute
49003	Box Elder	49033	Rich
49005	Cache	49035	Salt Lake
49007	Carbon	49037	San Juan
49009	Daggett	49039	Sanpete
49011	Davis	49041	Sevier
49013	Duchesne	49043	Summit
49015	Emery	49045	Tooele
49017	Garfield	49047	Uintah
49019	Grand	49049	Utah
49021	Iron	49051	Wasatch
49023	Juab	49053	Washington
49025	Kane	49055	Wayne
49027	Millard	49057	Weber
49029	Morgan		

50 Vermont

50001	Addison	50015	Lamoille
50003	Bennington	50017	Orange
50005	Caledonia	50019	Orleans
50007	Chittenden	50021	Rutland
50009	Essex	50023	Washington

50011 Franklin
50013 Grand Isle

50025 Windham
50027 Windsor

51 Virginia

51001 Accomack
51003 Albemarle
51005 Alleghany
51007 Amelia
51009 Amherst

51011 Appomattox

51013 Arlington

51015 Augusta
51017 Bath
51019 Bedford
51021 Bland
51023 Botetourt
51025 Brunswick
51027 Buchanan
51029 Buckingham
51031 Campbell
51033 Caroline
51035 Carroll
51036 Charles City
51037 Charlotte
51041 Chesterfield
51043 Clarke
51045 Craig
51047 Culpeper
51049 Cumberland
51051 Dickenson
51053 Dinwiddie
51057 Essex
51059 Fairfax
51061 Fauquier

51063 Floyd
51065 Fluvanna
51067 Franklin

51069 Frederick

51071 Gibes

51073 Gloucester

51075 Goochland

51077 Grayson

51079 Greene

51081 Greensville
51083 Halifax

51139 Page
51141 Patrick
51143 Pittsylvania
51145 Powhatan
51147 Prince
Edward
51149 Prince
George
51153 Prince
William
51155 Pulaski
51157 Rappahannock
51159 Richmond
51161 Roanoke
51163 Rockbridge
51165 Rockingham
51167 Russell
51169 Scott
51171 Shenandoah
51173 Smyth
51175 Southampton
51177 Spotsylvania
51179 Stafford
51181 Surry
51183 Sussex
51185 Tazewell
51187 Warren
51191 Washington
51193 Westmoreland
51195 Wise
51197 Wythe
51199 York
51510 Alexandria
City
51515 Bedford City
51520 Bristol City
51530 Buena Vista
City

51540
Charlottesville
City
51550 Chesapeake
City
51560 Clifton
Forge City
51570 Colonial
Heights City
51580 Cottingham
City
51590 Danville
City
51595 Emporia City
51600 Fairfax City

51085 Hanover	51610 Falls Church City
51087 Henrico	51620 Franklin City
51089 Henry	51630 Fredericksburg City
51091 Highland	51640 Galax City
51093 Isle Of Wight	51650 Hampton City
51095 James City	51660 Harrisonburg City
51097 King And Queen	51670 Hopewell City
51099 King George	51678 Lexington City
51101 King William	51680 Lynchburg City
51103 Lancaster	51690 Martinsville City
51105 Lee	51700 Newport News City
51107 Loudoun	51710 Norfolk City
51109 Louisa	51720 Norton City
51111 Lunenburg	51730 Petersburg City
51113 Madison	51740 Portsmouth City
51115 Mathews	51750 Radford City
51117 Mecklenburg	51760 Richmond City
51119 Middlesex	51770 Roanoke City
51121 Montgomery	51775 Salem City
51123 Nansemond	51780 South Boston City
51125 Nelson	51790 Staunton City
51127 New Kent	51800 Suffolk City
51131 Northampton	51810 Virginia Beach City
51133 Northumberland	51820 Waynesboro City
51135 Nottoway	51830 Williamsburg City
51137 Orange	51840 Winchester City
53 Washington	
53001 Adams	53041 Lewis
53003 Asotin	53043 Lincoln
53005 Benton	53045 Mason
53007 Chelan	53047 Okanogan
53009 Clallam	53049 Pacific
53011 Clark	53051 Pend Oreille
53013 Columbia	53053 Pierce
53015 Cowlitz	53055 San Juan
53017 Douglas	53057 Skagit
53019 Ferry	53059 Skamania
53021 Franklin	53061 Snohomish
53023 Garfield	53063 Spokane

53025 Grant
53027 Grays Harbor
53029 Island
53031 Jefferson
53033 King
53035 Kitsap
53037 Kittitas
53039 Klickitat

54 west Virginia

54001 Barbour
54003 Berkeley
54005 Boone
54007 Braxton
54009 Brooke
54011 Cabell
54013 Calhoun
54015 Clay
54017 Doddridge
54019 Fayette
54021 Gilmer
54023 Grant
54025 Greenbrjer
54027 Hampshire
54029 Hancock
54031 Hardy
54033 Harrison
54035 Jackson
54037 Jefferson
54039 Kanawha
54041 Lewis
54043 Lincoln
54045 Logan
54047 Me Dowell
54049 Marion
54051 Marshall
54053 Mason
54055 Mercer

55 Wisconsin

55001 Adams
55003 Ashland
55005 Barron
55007 Bayfield
55009 Brown
55011 Buffalo
55013 Burnett
55015 Calumet
55017 Chippewa
55019 Clark
55021 Columbia
55023 Crawford
55025 Dane
55027 Dodge
55029 Door
55031 Douglas
55033 Dunn
55035 Eau Claire

53065 Stevens
53067 Thurston
53069 Wahkiakum
53071 Walla Walla
53073 Whatcom
53075 Whitman
53077 Yakima

54057 Mineral
54059 Mingo
54061 Monongalia
54063 Monroe
54065 Morgan
54067 Nicholas
54069 Ohio
54071 Pendleton
54073 Pleasants
54075 Pocahontas
54077 Preston
54079 Putnam
54081 Raleigh
54083 Randolph
54085 Ritchie
54087 Roane
54089 Summers
54091 Taylor
54093 Tucker
54095 Tyler
54097 Upshur
54099 Wayne
54101 Webster
54103 Wetzell
54105 Wirt
54107 Wood
54109 Wyoming

55073 Marathon
55075 Marinette
55077 Marquette
55078 Menominee
55079 Milwaukee
55081 Monroe
55083 Oconto
55085 Oneida
55087 Outagamie
55089 Ozaukee
55091 Pepin
55093 Pierce
55095 Polk
55097 Portage
55099 Price
55101 Racine
55103 Richland
55105 Rock

55037	Florence	55107	Rusk
55039	Fond Du Lac	55109	St Croix
55041	Forest	55111	Sauk
55043	Grant	55113	Sawyer
55045	Green	55115	Shawano
55047	Green Lake	55117	Sheboygan
55049	Iowe	55119	Taylor
55051	Iran	55121	Trempealeau
55053	Jackson	55123	Vernon
55055	Jefferson	55125	Vilas
55057	Juneau	55127	Walworth
55059	Kenosha	55129	Washburn
55061	Kewaunee	55131	Washington
55063	La Crosse	55133	Waukesha
55065	Lafayette	55135	Waupaca
55067	Langlade	55137	Waushara
55069	Lincoln	55139	Winnebago
55071	Manitowoc	55141	Wood

56 Wyoming

56001	Albany	56025	Natrona
56003	Big Horn	56027	Niabrara
56005	Campbell	56029	Park
56007	Carbon	56031	Platte
56009	Converse	56033	Sheridan
56011	Crook	56035	Sublette
56013	Fremont	56037	Sweetwater
56015	Goshen	56039	Teton
56017	Hot Springs	56041	Uinta
56019	Johnson	56043	Washakie
56021	Laramie	56045	Weston
56023	Lincoln		

□

>> 1982 CANDIDATE LIST - PERSONAL INTERVIEWS

This is the list of candidate names used in the administration of the 1982 Personal Interviews. In the field identifying the candidate's partisan affiliation the following party abbreviations are used:

DEM=Democratic
 REP=Republican
 CON=Conservative
 LIB=Liberal
 RTL=Right to Life
 IND=Independent
 D-L=Democratic and Liberal
 R-C=Republican and Conservative
 DRL=Democratic and Republican and Liberal

MEANING OF FIELDS

COL 1 : TYPE OF RECORD (1=HOUSE/2=SENATE/3=GOVERNOR)
 COL 3-4 : ICPSR STATE CODE
 COL 6-7 : STATE ALPHABETIC ABBREVIATION
 COL 9-10: ACTUAL CONGRESSIONAL DISTRICT NUMBER
 COL 12: CANDIDATE GENDER (1=MALE/2=FEMALE)
 COL 15-16: FUNCTIONAL CANDIDATE CODE
 COL 19-54: CANDIDATE NAME

COL 55-57: PARTY OF CANDIDATE
 COL 65-BO: STATE NAME (ALPHA)

ALABAMA

3	41	AL	00	1	51	George C Wallace	DEM	Alabama
3	41	AL	00	1	52	Emory Folmar	REP	Alabama
2	41	AL	00	1	17	Howell Heflin	DEM	Alabama
2	41	AL	00	1	18	Jeremiah Denton	REP	Alabama
1	41	AL	02	1	34	William L Dickinson	REP	Alabama
1	41	AL	02	1	35	Billy Joe Camp	DEM	Alabama
1	41	AL	03	1	33	Bill Nichols	DEM	Alabama

ARKANSAS

3	42	AR	00	1	54	Frank D White	REP	Arkansas
3	42	AR	00	1	55	Bill Clinton	DEM	Arkansas
2	42	AR	00	1	17	Dale Bumpers	DEM	Arkansas
2	42	AR	00	1	18	David Pryor	DEM	Arkansas
1	42	AR	01	1	33	Bill Alexander	DEM	Arkansas
1	42	AR	01	1	36	Chuck Banks	REP	Arkansas
1	42	AR	02	1	34	Ed Bethune	REP	Arkansas
1	42	AR	02	1	35	Charles L George	DEM	Arkansas
1	42	AR	04	1	33	Beryl Anthony Jr	DEM	Arkansas
1	42	AR	04	1	36	Bob Leslie	REP	Arkansas

ARIZONA

3	61	AZ	00	1	53	Bruce Babbitt	DEM	Arizona
3	61	AZ	00	1	56	Leo Corbet	REP	Arizona
2	61	AZ	00	1	13	Dennis DeConcklin	DEM	Arizona
2	61	AZ	00	1	16	Pete Dunn	REP	Arizona
2	61	AZ	00	1	19	Barry Goldwater	REP	Arizona
1	61	AZ	01	1	31	William E Hegarty	DEM	Arizona
1	61	AZ	01	1	32	John McCain	REP	Arizona
1	61	AZ	02	1	33	Morris K Udall	DEM	Arizona
1	61	AZ	02	1	36	Roy B Laos	REP	Arizona
1	61	AZ	03	1	34	Bob Stump	REP	Arizona
1	61	AZ	03	1	35	Pat Bosch	DEM	Arizona
1	61	AZ	04	1	34	Eldon Rudd	REP	Arizona
1	61	AZ	04	1	35	Wayne D Earley	DEM	Arizona

CALIFORNIA

3	71	CA	00	1	51	Tom Bradley	DEM	California
3	71	CA	00	1	52	George Deukme Ian	REP	California
2	71	CA	00	1	11	Edmund G ~Jerry" Brown Jr	DEM	California
2	71	CA	00	1	12	Pete Wilson	REP	California
2	71	CA	00	1	19	Alan Cranston	DEM	California
1	71	CA	02	1	34	Gene Chapple	REP	California
1	71	CA	02	1	35	John Newmeyer	DEM	California
1	71	CA	04	1	33	Vic Fazio	DEM	California
1	71	CA	04	1	36	Roger B Canfield	REP	California
1	71	CA	05	1	33	Phillip Burton	DEM	California
1	71	CA	05	1	36	Milton Marks	REP	California
1	71	CA	06	2	31	Barbara Boxer	DEM	California
1	71	CA	06	1	32	Dennis McQuaid	REP	California
1	71	CA	08	1	33	Ronald V Dellums	DEM	California
1	71	CA	08	1	36	Claude B Hutchison Jr	REP	California
1	71	CA	09	1	33	Fortney H ~Pete~ Stark	DEM	California
1	71	CA	09	1	36	Bill Kennedy	REP	California
1	71	CA	11	1	33	Tom Lantos	DEM	California
1	71	CA	11	1	36	Bill Royer	REP	California
1	71	CA	12	1	31	Emmett Lynch	DEM	California

1	71	CA	12	1	32	Ed Zechau	REP	California
1	71	CA	14	1	34	Norman D Shumway	REP	California
1	71	CA	14	1	35	Baron Reed	DEM	California
1	71	CA	17	1	34	Charles Pashayan Dr.	REP	California
1	71	CA	17	1	35	Gene Tackett	DEM	California
1	71	CA	21	2	34	Bobbi Fiedler	REP	California
1	71	CA	21	1	35	George Henry Margolis	DEM	California
1	71	CA	22	1	34	Carlos Moorhead	REP	California
1	71	CA	22	1	35	Harvey L Goldhammer	DEM	California
1	71	CA	23	1	33	Anthony C Bellenson	DEM	California
1	71	CA	23	1	36	David Armor	REP	California
1	71	CA	24	1	33	Henry A Waxman	DEM	California
1	71	CA	24	1	36	Jerry Zerg	REP	California
1	71	CA	25	1	33	Edward R. Roybal	DEM	California
1	71	CA	26	1	31	Howard L Berman	DEM	California
1	71	CA	26	1	32	Hal Phillips	REP	California
1	71	CA	27	1	31	Mel Levine	DEM	California
1	71	CA	27	1	32	Bart W Christensen	REP	California
1	71	CA	28	1	33	Julian C Dixon	DEM	California
1	71	CA	28	1	36	David Goerz	REP	California
1	71	CA	32	1	33	Glenn M Anderson	DEM	California
1	71	CA	32	1	36	Brian Lungren	REP	California
1	71	CA	33	1	34	David Dreler	REP	California
1	71	CA	33	1	35	Paul Servelle	DEM	California
1	71	CA	34	1	31	Esteban Torres	DEM	California
1	71	CA	34	1	32	Paul R Jackson	REP	California
1	71	CA	38	1	33	Jerry M Patterson	DEM	California
1	71	CA	38	1	36	William F Dohr	REP	California
1	71	CA	39	1	34	William E Dannemeyer	REP	California
1	71	CA	39	1	35	Frank G Verges	DEM	California
1	71	CA	41	1	34	Bill Lowery	REP	California
1	71	CA	41	1	35	Tony Brandenburg	DEM	California
1	71	CA	42	1	34	Dan Lungren	REP	California
1	71	CA	42	1	35	James P Spellman	DEM	California
1	71	CA	43	1	31	Roy "Pat" Archer	DEM	California
1	71	CA	43	1	32	Johnny Crean	REP	California
1	71	CA	43	1	39	Ron Packard	IND	California
1	71	CA	44	1	31	Jim Bates	DEM	California
1	71	CA	44	2	32	Shirley M Glesendanner	REP	California
1	71	CA	45	1	34	Duncan L Hunter	REP	California
1	71	CA	45	1	35	Richard Hill	DEM	California
COLORADO								
3	62	CO	00	1	53	Richard O Lamm	DEM	Colorado
3	62	CO	00	1	56	John D Fuhr	REP	Colorado
2	62	CO	00	1	17	Gary Hart	DEM	Colorado
2	62	CO	00	1	18	William R Armstrong	REP	Colorado
1	62	CO	04	1	34	Hank Brown	REP	Colorado
1	62	CO	04	1	35	Charles L "Bud" Bishop	DEM	Colorado
CONNECTICUT								
3	01	CT	00	1	53	William A O'Neill	DEM	Connecticut
3	01	CT	00	1	56	Lewis B Rome	REP	Connecticut
2	01	CT	00	1	14	Lowell P Welcker Jr	REP	Connecticut
2	01	CT	00	1	15	Toby Moffett	DEM	Connecticut
2	01	CT	00	1	19	Christopher J Dodd	DEM	Connecticut
1	01	CT	02	1	33	Sam Geidenson	DEM	Connecticut
1	01	CT	02	1	36	Tony Gugllemo	REP	Connecticut
1	01	CT	04	1	34	Stewart B McKinney	REP	Connecticut
1	01	CT	04	1	35	John A Phillips	DEM	Connecticut

FLORIDA

3	43	FL	00	1	53	Robert Graham	DEM	Florida
3	43	FL	00	1	56	LA "Skip" Bafalis	REP	Florida
2	43	FL	00	1	13	Lawton Chiles	DEM	Florida
2	43	FL	00	1	16	Van B Poole	REP	Florida
2	43	FL	00	2	19	Paula Hawkins	REP	Florida
1	43	FL	05	1	34	Bill McCollum	REP	Florida
1	43	FL	05	1	35	Dick Batchelor	DEM	Florida
1	43	FL	10	1	33	Andy Ireland	DEM	Florida
1	43	FL	13	1	31	Dana N Stevens	DEM	Florida
1	43	FL	13	1	32	Connie Mack	REP	Florida
1	43	FL	16	1	31	Larry Smith	DEM	Florida
1	43	FL	16	1	32	Maurice Berkowitz	REP	Florida
1	43	FL	17	1	33	William Lehman	DEM	Florida
1	43	FL	18	1	33	Claude Pepper	DEM	Florida
1	43	FL	18	1	36	Ricardo Nunez	REP	Florida
1	43	FL	19	1	33	Dante B Fascell	DEM	Florida
1	43	FL	19	1	36	Glenn Rinker	REP	Florida

GEORGIA

3	44	GA	00	1	51	Joe Frank Harnis	DEM	Georgia
3	44	GA	00	1	52	Bob Bell	REP	Georgia
2	44	GA	00	1	17	Sam Nunn	DEM	Georgia
2	44	GA	00	1	18	Mack Mattingly	REP	Georgia
1	44	GA	02	1	33	Charles Hatcher	DEM	Georgia
1	44	GA	04	1	33	Elliott H Levitas	DEM	Georgia
1	44	GA	04	1	36	Diak Winder	REP	Georgia
1	44	GA	05	1	33	Wyche Fowler Jr	DEM	Georgia
1	44	GA	05	1	36	Paul Jones	REP	Georgia
1	44	GA	05	1	39	J D "Billy" McKinney	IND	Georgia
1	44	GA	09	1	33	Ed Jenkins	DEM	Georgia
1	44	GA	09	1	36	Charles Sherwood	REP	Georgia

IOWA

3	31	IA	00	2	51	Roxanne Conlin	DEM	Iowa
3	31	IA	00	1	52	Terry Branstad	REP	Iowa
2	31	IA	00	1	17	Roger W Oepsen	REP	Iowa
2	31	IA	00	1	18	Charles E Grassley	REP	Iowa
1	31	IA	03	1	34	Cooper Evans	REP	Iowa
1	31	IA	03	1	35	Lynn G Cutler	DEM	Iowa
1	31	IA	05	1	33	Tom Harkin	DEM	Iowa
1	31	IA	05	1	36	Arlyn E Danker	REP	Iowa

ILLINOIS

3	21	IL	00	1	54	James R Thompson	REP	Illinois
3	21	IL	00	1	55	Adlai E Stevenson III	DEM	Illinois
2	21	IL	00	1	17	Charles H Percy	REP	Illinois
2	21	IL	00	1	18	Alan O Dixon	DEM	Illinois
1	21	IL	01	1	33	Harold Washington	DEM	Illinois
1	21	IL	01	1	36	Charles Allen Taliaferro	REP	Illinois
1	21	IL	03	1	33	Marty Russo	DEM	Illinois
1	21	IL	03	1	36	Richard D Murphy	REP	Illinois
1	21	IL	04	1	34	George M O'Brien	REP	Illinois
1	21	IL	04	1	35	Michael A Murer	DEM	Illinois
1	21	IL	05	1	31	William O. Lipinski	DEM	Illinois
1	21	IL	05	1	32	Daniel Partyka	REP	Illinois
1	21	IL	06	1	34	Henry O Hyde	REP	Illinois
1	21	IL	06	1	35	Leroy E Kennel	DEM	Illinois
1	21	IL	08	1	33	Dan Rostenkowski	DEM	Illinois

1	21	IL	08	2	36	Bonnie Hickey	REP	Illinois
1	21	IL	09	1	33	Sidney R Yates	DEM	Illinois
1	21	IL	09	2	36	Catherine Bertini	REP	Illinois
1	21	IL	10	1	34	John Edward Porter	REP	Illinois
1	21	IL	10	2	35	Eugenia S Chapman	DEM	Illinois
1	21	IL	11	1	33	Frank Annunzio	DEM	Illinois
1	21	IL	11	1	36	James Moynihan	REP	Illinois
1	21	IL	12	1	34	Phillip M Crane	REP	Illinois
1	21	IL	12	1	35	Daniel G DeFosse	DEM	Illinois
1	21	IL	13	1	34	John N Erlenborn	REP	Illinois
1	21	IL	13	1	35	Robert Billy	DEM	Illinois
1	21	IL	14	1	34	Tom Corcoran	REP	Illinois
1	21	IL	14	1	35	Dan McGrath	DEM	Illinois
1	21	IL	15	1	34	Edward R Madigan	REP	Illinois
1	21	IL	15	1	35	Tim L Hall	DEM	Illinois
1	21	IL	18	1	34	Robert H Michel	REP	Illinois
1	21	IL	18	1	35	G Douglas Stephens	DEM	Illinois
1	21	IL	21	1	33	Melvin Price	DEM	Illinois
1	21	IL	21	1	36	Robert H Gaffner	REP	Illinois
1	21	IL	22	1	33	Paul Simon	DEM	Illinois
1	21	IL	22	1	36	Peter G Prineas	REP	Illinois
INDIANA								
2	22	IN	00	1	14	Richard G Logan	REP	Indiana
2	22	IN	00	1	15	Floyd Ilthian	DEM	Indiana
2	22	IN	00	1	19	Dan Quayle	REP	Indiana
1	22	IN	01	2	31	Katie Hall	DEM	Indiana
1	22	IN	01	1	32	Thomas H Krieger	REP	Indiana
1	22	IN	06	1	31	George Grablanowski	DEM	Indiana
1	22	IN	06	1	32	Dan Burton	REP	Indiana
1	22	IN	10	1	33	Andrew Jacobs Jr	DEM	Indiana
1	22	IN	10	1	36	Michael A Carrel	REP	Indiana
KENTUCKY								
2	51	KY	00	1	17	Walter "Deer" Huddleston	DEM	Kentucky
2	51	KY	00	1	18	Wendell H Ford	DEM	Kentucky
1	51	KY	01	1	33	Carroll Hubbard Jr	DEM	Kentucky
1	51	KY	03	1	33	Romano L Mazzoli	DEM	Kentucky
1	51	KY	03	1	36	Carl Brown	REP	Kentucky
1	51	KY	04	1	34	Gene Snyder	REP	Kentucky
1	51	KY	04	1	35	Terry L Mann	DEM	Kentucky
LOUISIANA								
2	45	LA	00	1	17	Russell B Long	DEM	Louisiana
2	45	LA	00	1	18	J Bennett Johnston	DEM	Louisiana
1	45	LA	05	1	33	Jerry Huckaby	DEM	Louisiana
1	45	LA	07	1	33	John B Breaux	DEM	Louisiana
MASSACHUSETTS								
3	03	MA	00	1	51	Michael S Dukakis	DEM	Massachusetts
3	03	MA	00	1	52	John W Sears	REP	Massachusetts
2	03	MA	00	1	13	Edward M "Ted" Kennedy	DEM	Massachusetts
2	03	MA	00	1	16	Raymond Shamie	REP	Massachusetts
2	03	MA	00	1	19	Paul E Tsongas	DEM	Massachusetts
1	03	MA	01	1	34	Silvio O Conte	REP	Massachusetts
1	03	MA	02	1	33	Edward P Boland	DEM	Massachusetts
1	03	MA	02	1	36	Thomas P Swank	REP	Massachusetts
1	03	MA	03	1	33	Joseph D Early	DEM	Massachusetts
1	03	MA	07	1	33	Edward J Markey	DEM	Massachusetts
1	03	MA	07	1	36	David M Baslle	REP	Massachusetts

1	03	MA	08	1	33	Thomas P O'Neill Jr	DEM	Massachusetts
1	03	MA	08	1	36	Frank Luke McNamara	REP	Massachusetts
1	03	MA	09	1	33	Joe Moakley	DEM	Massachusetts
1	03	MA	09	2	36	Deborah R Cochran	REP	Massachusetts
MARYLAND								
3	52	MD	00	1	53	Harry R Hughes	DEM	Maryland
3	52	MD	00	1	56	Robert A Pascal	REP	Maryland
2	52	MD	00	1	13	Paul Sarbanes	DEM	Maryland
2	52	MD	00	1	16	Lawrence J Hogan	REP	Maryland
2	52	MD	00	1	19	Charles Mc Mathias	REP	Maryland
1	52	MD	01	1	33	Roy Dyson	DEM	Maryland
1	52	MD	01	1	36	C A Porter Hopkins	REP	Maryland
1	52	MD	02	1	33	Clarence D Long	DEM	Maryland
1	52	MD	02	2	36	Helen Dellch Bentley	REP	Maryland
1	52	MD	07	1	33	Parren J Mitchell	DEM	Maryland
1	52	MD	07	2	36	M Leonora Jones	REP	Maryland
1	52	MD	08	1	33	Michael D Barnes	DEM	Maryland
1	52	MD	08	2	36	Elizabeth W Spencer	REP	Maryland
MAINE								
3	02	ME	00	1	53	Joseph E Brennan	DEM	Maine
3	02	ME	00	1	56	Charles L Cragin	REP	Maine
2	02	ME	00	1	13	George J Mitchell	DEM	Maine
2	02	ME	00	1	16	David F Emery	REP	Maine
2	02	ME	00	1	19	William S Cohen	REP	Maine
1	02	ME	01	1	31	John M Kerry	DEM	Maine
1	02	ME	01	1	32	John R McKernan Jr	REP	Maine
MICHIGAN								
3	23	MI	00	1	51	James J Blanchard	DEM	Michigan
3	23	MI	00	1	52	Richard H Headlee	REP	Michigan
2	23	MI	00	1	13	Donald W Riegle Jr	DEM	Michigan
2	23	MI	00	1	16	Philip E Ruppe	REP	Michigan
2	23	MI	00	1	19	Carl Levin	DEM	Michigan
1	23	MI	01	1	33	John Conyers Jr	DEM	Michigan
1	23	MI	04	1	34	Mark Siljander	REP	Michigan
1	23	MI	04	1	35	David A Masiokas	DEM	Michigan
1	23	MI	07	1	33	Dale E Kildee	DEM	Michigan
1	23	MI	07	1	36	George R Darrah	REP	Michigan
1	23	MI	14	1	33	Dennis M Hertel	DEM	Michigan
1	23	MI	15	1	33	William D Ford	DEM	Michigan
1	23	MI	15	1	36	Mitchell Moran	REP	Michigan
1	23	MI	16	1	33	John D Dingell	DEM	Michigan
1	23	MI	16	1	36	David K Haskins	REP	Michigan
1	23	MI	17	1	31	Sander Levin	DEM	Michigan
1	23	MI	17	1	32	Gerald E Rosen	REP	Michigan
1	23	MI	18	1	34	William S Broomfield	REP	Michigan
1	23	MI	18	1	35	Allen J Sipher	DEM	Michigan
MINNESOTA								
3	33	MN	00	1	51	Rudy Perpich	DEM	Minnesota
3	33	MN	00	1	52	Wheelock Whitney	REP	Minnesota
2	33	MN	00	1	14	David Durenberger	REP	Minnesota
2	33	MN	00	1	15	Mark Dayton	DEM	Minnesota
2	33	MN	00	1	19	Rudy Boschwitz	REP	Minnesota
1	33	MN	04	1	33	Bruce F Vento	DEM	Minnesota
1	33	MN	04	1	36	Bill James	REP	Minnesota
1	33	MN	05	1	33	Martin Olav Sabo	DEM	Minnesota
1	33	MN	05	1	36	Keith W Johnson	REP	Minnesota

1	33	MN	06	1	34	Arlen Erdahl	REP	Minnesota
1	33	MN	06	1	35	Gerry Sikorski	DEM	Minnesota
MISSOURI								
2	34	MO	00	1	14	John C Danforth	REP	Missouri
2	34	MO	00	2	15	Harriet Woods	DEM	Missouri
2	34	MO	00	1	19	Thomas F Eagleton	DEM	Missouri
1	34	MO	03	1	33	Richard A Gephardt	DEM	Missouri
1	34	MO	03	1	36	Richard Forlstel	REP	Missouri
1	34	MO	OR	1	34	Bill Emerson	REP	Missouri
1	34	MO	08	1	35	Jerry Ford	DEM	Missouri
1	34	MO	09	1	33	Harold L Volkmer	DEM	Missouri
1	34	MO	09	1	36	Larry E Mead	REP	Missouri
MISSISSIPPI								
2	46	MS	00	1	13	John C Stennis	DEM	Mississippi
2	46	MS	00	1	16	Haley Barbour	REP	Mississippi
2	46	MS	00	1	19	Thad Cochran	REP	Mississippi
1	46	MS	03	1	33	G V "Sonny" Montgomery	DEM	Mississippi
1	46	MS	04	1	33	Wayne Dowdy	DEM	Mississippi
1	46	MS	04	1	36	Liles Williams	REP	Mississippi
NORTH CAROLINA								
2	47	NC	00	1	17	Jesse Helms	REP	North Carolina
2	47	NC	00	1	18	John P East	REP	North Carolina
1	47	NC	01	1	33	Walter B Jones	DEM	North Carolina
1	47	NC	01	1	36	James F McIntyre III	REP	North Carolina
1	47	NC	10	1	34	James T Broyhill	REP	North Carolina
NEBRASKA								
3	35	NE	00	1	54	Charles Thone	REP	Nebraska
3	35	NE	00	1	55	Bob Kerrey	DEM	Nebraska
2	35	NE	00	1	13	Edward Zortnisky	DEM	Nebraska
2	35	NE	00	1	16	Jim Keck	REP	Nebraska
2	35	NE	00	1	19	J James Exon	DEM	Nebraska
1	35	NE	03	2	34	Virginia Smith	REP	Nebraska
NEW JERSEY								
2	12	NJ	00	1	11	Frank R Lautenberg	DEM	New Jersey
2	12	NJ	00	2	12	Millicent Fenwick	REP	New Jersey
2	12	NJ	00	1	19	Bill Bradley	DEM	New Jersey
1	12	NJ	01	1	33	James L Florid	DEM	New Jersey
1	12	NJ	01	1	36	John A Dramesi	REP	New Jersey
1	12	NJ	04	1	34	Christopher H Smith	REP	New Jersey
1	12	NJ	04	1	35	Joseph P Merlino	DEM	New Jersey
1	12	NJ	06	1	33	Bernard J Dwyer	DEM	New Jersey
1	12	NJ	06	1	36	Bertram L Buckler	REP	New Jersey
1	12	NJ	07	1	34	Matthew O Rinaldo	REP	New Jersey
1	12	NJ	07	1	35	Adam K Levis	DEM	New Jersey
1	12	NJ	11	1	33	Joseph G Minish	DEM	New Jersey
1	12	NJ	11	1	36	Rey Redington	REP	New Jersey
1	12	NJ	12	1	34	Jim Courter	REP	New Jersey
1	12	NJ	12	1	35	Jeff Connor	DEM	New Jersey
1	12	NJ	13	1	34	Edwin B Forsythe	REP	New Jersey
1	12	NJ	13	1	35	George Callas	DEM	New Jersey
1	12	NJ	14	1	33	Frank J Guarini	DEM	New Jersey
1	12	NJ	14	1	36	Charles J Catrillo	REP	New Jersey
NEW YORK								
3	13	NY	00	1	51	Mario M Cuomo	D-L	New York

3	13	NY	00	1	52	Lew Lehrman	R-C	New York
2	13	NY	00	1	13	Daniel Patrick Moynihan	D-L	New York
2	13	NY	00	2	16	Florence Sullivan	R-C	New York
2	13	NY	00	1	19	Alfonse M D'Amato	REP	New York
1	13	NY	03	1	34	John LeBoutillier	R-C	New York
1	13	NY	03	1	35	Robert J Mrazek	DEM	New York
1	13	NY	03	1	37	Edward Birnbaum	LIB	New York
1	13	NY	04	1	34	Norman F Lent	R-C	New York
1	13	NY	04	1	35	Robert P Zimmerman	D-L	New York
1	13	NY	04	1	39	John J Dunkle	RTL	New York
1	13	NY	06	1	33	Joseph P Addabbo	D-L	New York
1	13	NY	06	1	37	Mark E Scott	CON	New York
1	13	NY	08	1	33	James H Schemer	D-L	New York
1	13	NY	08	1	37	John T Blume	CON	New York
1	13	NY	10	1	33	Charles E Schumer	D-L	New York
1	13	NY	10	1	36	Stephen Marks	R-C	New York
1	13	NY	10	2	39	Alice J Bertolotti	RTL	New York
1	13	NY	11	1	31	Edolphus Towns	DEM	New York
1	13	NY	11	1	32	James W Smith	REP	New York
1	13	NY	11	1	37	Patrick W Giagnacova	LIB	New York
1	13	NY	12	1	31	Major R Owens	D-L	New York
1	13	NY	12	1	32	David Katan So	REP	New York
1	13	NY	12	1	37	David E Rosenstroch	CON	New York
1	13	NY	14	1	33	Leo C Zeferetti	DEM	New York
1	13	NY	14	1	34	Guy V Molinari	R-C	New York
1	13	NY	14	1	37	Carl F Grillo	LIB	New York
1	13	NY	15	1	34	Bill Green	REP	New York
1	13	NY	15	2	35	Betty G Lall	D-L	New York
1	13	NY	15	1	37	Henry VanRossem	CON	New York
1	13	NY	16	1	33	Charles B Rangel	D-L	New York
1	13	NY	16	1	37	Michael T Berns	CON	New York
1	13	NY	17	1	33	Ted Weiss	D-L	New York
1	13	NY	17	1	36	Louls S Antonelli	R-C	New York
1	13	NY	18	1	33	Robert Garcia	DRL	New York
1	13	NY	18	1	37	Mario Pichler	CON	New York
1	13	NY	20	1	33	Richard L Ottinger	DEM	New York
1	13	NY	20	1	36	Don S Fossel	R-C	New York
1	13	NY	20	2	39	Florence T O'Grady	RTL	New York
1	13	NY	25	2	31	Anita Maxwell	DEM	New York
1	13	NY	25	1	32	Sherwood L Boehlert	REP	New York
1	13	NY	25	1	39	Donald J Thomas	RTL	New York
1	13	NY	27	1	34	George C Wortley	REP	New York
1	13	NY	27	2	35	Elaine Lytel	D-L	New York
1	13	NY	27	1	37	Thomas M Hunter	CON	New York
1	13	NY	28	1	33	Matthew F McHugh	O-L	New York
1	13	NY	28	1	36	David F Crowley	R-C	New York
1	13	NY	28	1	39	Mark Masterson	RTL	New York
OHIO								
3	24	OH	00	1	51	Richard F Celeste	DEM	Ohio
3	24	OH	00	1	52	Clarence O Brown	REP	Ohio
2	24	OH	00	1	13	Howard M Metzenbaum	DEM	Ohio
2	24	OH	00	1	16	Paul E Pfeffer	REP	Ohio
2	24	OH	00	1	19	John Glenn	DEM	Ohio
1	24	OH	03	1	33	Tony P Hall	DEM	Ohio
1	24	OH	04	1	34	Michael Oxley	REP	Ohio
1	24	OH	04	1	35	Robert W Moon	DEM	Ohio
1	24	OH	07	1	31	Roger D Tackett	DEM	Ohio
1	24	OH	07	1	32	Michael Dewine	REP	Ohio
1	24	OH	08	1	34	Thomas N Kindness	REP	Ohio

1	24	OH	08	1	35	John W Griffin	DEM	Ohio
1	24	OH	09	1	34	Ed Weber	REP	Ohio
1	24	OH	09	2	35	Marcy Kaptur	DEM	Ohio
1	24	OH	11	1	33	Dennis E Eckart	DEM	Ohio
1	24	OH	11	1	36	Glen W Warner	REP	Ohio
1	24	OH	19	1	31	Edward F Feighan	DEM	Ohio
1	24	OH	19	1	32	Richard G Anter II	REP	Ohio
1	24	OH	20	2	33	Mary Rose Oakar	DEM	Ohio
1	24	OH	20	1	36	Paris T LeJeune	REP	Ohio
1	24	OH	21	1	33	Louis Stokes	DEM	Ohio
1	24	OH	21	1	36	Alan G Shatteen	REP	Ohio
OKLAHOMA								
3	53	OK	00	1	53	George Nigh	DEM	Oklahoma
3	53	OK	00	1	56	Tom Daxon	REP	Oklahoma
2	53	OK	00	1	17	David L Boren	DEM	Oklahoma
2	53	OK	00	1	18	Don Nickles	REP	Oklahoma
1	53	OK	01	1	33	James R Jones	DEM	Oklahoma
1	53	OK	01	1	36	Richard C Freeman	REP	Oklahoma
1	53	OK	02	1	33	Mike Synar	DEM	Oklahoma
1	53	OK	02	1	36	Lou Striegel	REP	Oklahoma
OREGON								
3	72	OR	00	1	54	Victor L Atlyeh	REP	Oregon
3	72	OR	00	1	55	Ted Kulongoski	DEM	Oregon
2	72	OR	00	1	17	Mark O Hatfield	REP	Oregon
2	72	OR	00	1	18	Bob Packwood	REP	Oregon
1	72	OR	04	1	33	James Weaver	DEM	Oregon
1	72	OR	04	1	36	Ross Anthony	REP	Oregon
PENNSYLVANIA								
3	14	PA	00	1	54	Richard L Thornburgh	REP	Pennsylvania
3	14	PA	00	1	55	Allen E Ertel	DEM	Pennsylvania
2	14	PA	00	1	14	John Heinz	REP	Pennsylvania
2	14	PA	00	1	15	Cecil H Wecht	DEM	Pennsylvania
2	14	PA	00	1	19	Arlen Specter	REP	Pennsylvania
1	14	PA	01	1	33	Thomas M Foglietta	DEM	Pennsylvania
1	14	PA	01	1	36	Michael Marino	REP	Pennsylvania
1	14	PA	02	1	33	William H Gray III	DEM	Pennsylvania
1	14	PA	02	1	39	Milton Street	IND	Pennsylvania
1	14	PA	03	1	34	Charles F Dougherty	REP	Pennsylvania
1	14	PA	03	1	35	Robert A Borski	DEM	Pennsylvania
1	14	PA	05	1	34	Richard T Schulze	REP	Pennsylvania
1	14	PA	05	1	35	Bob Burger	DEM	Pennsylvania
1	14	PA	11	1	34	James L Nelligan	REP	Pennsylvania
1	14	PA	11	1	35	Frank Harrison	DEM	Pennsylvania
1	14	PA	14	1	33	William J Coyne	DEM	Pennsylvania
1	14	PA	14	1	36	John R Clark	REP	Pennsylvania
1	14	PA	16	1	34	Robert S Walker	REP	Pennsylvania
1	14	PA	16	2	35	Dean D Mowery	DEM	Pennsylvania
1	14	PA	17	1	31	Larry d Hochendoner	DEM	Pennsylvania
1	14	PA	17	1	32	George W Gekas	REP	Pennsylvania
1	14	PA	18	1	33	Doug Walgren	DEM	Pennsylvania
1	14	PA	18	1	36	Ted Jacob .	REP	Pennsylvania
1	14	PA	22	1	33	Austin J Murphy	DEM	Pennsylvania
1	14	PA	22	1	36	Frank Paterra	REP	Pennsylvania
SOUTH CAROLINA								
3	48	SC	00	1	53	Richard Riley	DEM	South Carolina

3	48	SC	00	1	56	William D Workman Dr.	REP	South Carolina
2	48	SC	00	1	17	Strom Thurmond	REP	South Carolina
2	48	SC	00	1	18	Ernest F Hollings	DEM	South Carolina
1	48	SC	02	1	34	Floyd Spence	REP	South Carolina
1	48	SC	02	1	35	Ken Mosely	DEM	South Carolina
SOUTH DAKOTA								
3	37	SD	00	1	54	William J Danklow	REP	South Dakota
3	37	SD	00	1	55	Mike O'Connor	DEM	South Dakota
2	37	SD	00	1	17	Larry Pressler	REP	South Dakota
2	37	SD	00	1	18	James Abdnor	REP	South Dakota
1	37	SD	98	1	33	Thomas A Daschle	DEM	South Dakota
1	37	SD	98	1	34	Clint Roberts	REP	South Dakota
TENNESSEE								
3	54	TN	00	1	54	Lamar Alexander	REP	Tennessee
3	54	TN	00	1	55	Randy Tyree	DEM	Tennessee
2	54	TN	00	1	13	Jim Sasser	DEM	Tennessee
2	54	TN	00	1	16	Robin L Beard	REP	Tennessee
2	54	TN	00	1	19	Howard H Baker Jr	REP	Tennessee
1	54	TN	04	1	31	Jim Cooper	DEM	Tennessee
1	54	TN	04	2	32	Cissy Baker	REP	Tennessee
TEXAS								
3	49	TX	00	1	54	William P Clements Jr	REP	Texas
3	49	TX	00	1	55	Mark White	DEM	Texas
2	49	TX	00	1	13	Lloyd Bentsen	DEM	Texas
2	49	TX	00	1	16	James M Collins	REP	Texas
2	49	TX	00	1	19	John Tower	REP	Texas
1	49	TX	07	1	34	Bill Archer	REP	Texas
1	49	TX	07	1	35	Dennis Scoggins	DEM	Texas
1	49	TX	08	1	34	Jack Fields	REP	Texas
1	49	TX	08	1	35	Henry E Allee	DEM	Texas
1	49	TX	17	1	33	Charles W Stenholm	DEM	Texas
1	49	TX	18	1	33	Mickey Leland	DEM	Texas
1	49	TX	18	1	36	C Leon Pickett	REP	Texas
1	49	TX	22	1	34	Ron Paul	REP	Texas
UTAH								
2	67	UT	00	1	14	Doris G Hatch	REP	Utah
2	67	UT	00	1	15	Ted Wilson	DEM	Utah
2	67	UT	00	1	19	Jake Garn	REP	Utah
1	67	UT	02	1	34	Dan Marriott	REP	Utah
1	67	UT	02	2	35	Frances Farley	DEM	Utah
1	67	UT	03	1	32	Howard C Nielson	REP	Utah
1	67	UT	03	1	39	Henry A Hulsh	IND	Utah
VIRGINIA								
2	40	VA	00	1	11	Richard J Davis	DEM	Virginia
2	40	VA	00	1	12	Paul S Trivle Jr	REP	Virginia
2	40	VA	00	1	19	John W Warner	REP	Virginia
1	40	VA	03	1	34	Thomas J Billey Jr	REP	Virginia
1	40	VA	03	1	35	John Waldrop Jr	DEM	Virginia
1	40	VA	08	1	34	Stan Parris	REP	Virginia
1	40	VA	08	1	35	Herbert E Harris II	DEM	Virginia
1	40	VA	10	1	34	Frank R Wolf	REP	Virginia
1	40	VA	10	1	35	Ira M Lechner	DEM	Virginia
WASHINGTON								
2	73	WA	00	1	13	Henry M "Scoop" Jackson	DEM	Washington

2	73	WA	00	1	16	Doug Jewett	REP	Washington
2	73	WA	00	1	19	Slade Gorton	REP	Washington
1	73	WA	01	1	34	Joel Pritchard	REP	Washington
1	73	WA	01	1	35	Brian Long	DEM	Washington
1	73	WA	02	1	33	Al Swift	DEM	Washington
1	73	WA	02	2	36	Joan Houchen	REP	Washington
1	73	WA	07	1	33	Mike Lowry	DEM	Washington
1	73	WA	07	1	36	Bob Douse	REP	Washington
1	73	WA	08	2	31	Beth Bland	DEM	Washington
1	73	WA	08	1	32	Rodney Chandler	REP	Washington

WISCONSIN

3	25	WI	00	1	51	Anthony S Earl	DEM	Wisconsin
3	25	WI	00	1	52	Terry Kohler	REP	Wisconsin
2	25	WI	00	1	13	William Proxmire	DEM	Wisconsin
2	25	WI	00	1	16	Scott McCallum	REP	Wisconsin
2	25	WI	00	1	19	Robert W Kasten Jr	REP	Wisconsin
1	25	WI	06	1	34	Thomas E Petri	REP	Wisconsin
1	25	WI	06	1	35	Gordon E Loehr	DEM	Wisconsin
1	25	WI	09	1	34	F James Sensenbrenner Jr	REP	Wisconsin

WEST VIRGINIA

2	56	WV	00	1	13	Robert C Byrd	DEM	West Virginia
2	56	WV	00	1	16	Cleve Benedict	REP	West Virginia
2	56	WV	00	1	19	Jennings Randolph	DEM	West Virginia
1	56	WV	03	1	34	David Michael Staton	REP	West Virginia
1	56	WV	03	1	35	Bob Wise	DEM	West Virginia

>> 1982 CANDIDATE LIST - CATI INTERVIEWS

This is the list of candidate names used in the administration the ISR and BERKELEY CATI interviews. Each cluster is headed by a line containing a three digit code which is the Telephone Cluster Identification Number documented in the codebook as v4. Correct pronunciation of the candidate name was inserted where necessary to insure consistent pronunciation and appears here < >. In the field identifying the candidate's partisan affiliation the following party abbreviations are used:

DEM=Democratic
 REP=Republican
 CON=Conservative
 LIB=Liberal
 RTL=Right to Life
 IND=Independent
 D-L=Democratic and Liberal
 R-C=Republican and Conservative
 DRL=Democratic and Republican and Liberal

MEANING OF FIELDS

COL 1 : TYPE OF RECORD (1=HOUSE/2=SENATE/3=GOVERNOR)
 COL 2 : SEQUENTIAL CO NUMBER WITHIN CLUSTER
 COL 3-4 : ICPSR STATE COOK
 COL 6-7 : STATE ALPHABETIC ABBREVIATION
 COL 9-10: ACTUAL CONGRESSIONAL DISTRICT NUMBER
 COL 12: CANDIDATE GENDER (1=MALE/2=FEMALE)
 COL 15-16: FUNCTIONAL CANDIDATE CODE
 COL 19-54: CANDIDATE NAME

COL 55-57: PARTY OF CANDIDATE
COL.65-80: STATE NAME (ALPHA)

086							
3	41	AL	00	1	51	George C Wallace	DEM Alabama
3	41	AL	00	1	52	Emory Folmar	REP Alabama
1141	AL	03	1	33		Bill Nichols	DEM Alabama
074							
3	61	AZ	00	1	53	Bruce Babbitt	DEM Arizona
3	61	AZ	00	1	56	Leo Corbet	REP Arizona
2	61	AZ	00	1	13	Dennis DeConcklin	DEM Arizona
2	61	AZ	00	1	16	Pete Dunn	REP Arizona
1161	AZ	01	1	31		William E Hegarty	DEM Arizona
1161	AZ	01	1	32		John McCain	REP Arizona
1261	AZ	02	1	33		Morris K Udall	DEM Arizona
1261	A2	02	1	36		Roy B Laos <LAHos>	REP Arizona
1361	AZ	04	1	34		Eldon Rudd	REP Arizona
1361	AZ	04	1	35		Wayne O Earley	DEM Arizona
082							
3	42	AR	00	1	54	Frank D White	REP Arkansas
3	42	AR	00	1	55	Bill Clinton	DEM Arkansas
1142	AR	02	1	34		Ed Bethune <bethOON>	REP Arkansas
1142	AR	02	1	35		Charles L George	DEM Arkansas
069							
3	71	CA	00	1	51	Tom Bradley	DEM California
3	71	CA	00	1	52	George Deukmenian	REP California
2	71	CA	00	1	11	Edmund G "derry" Brown Dr.	DEM California
2	71	CA	00	1	12	Pete Wilson	REP California
1171	CA	21	2	34		Bobbi Fiedler	REP California
1171	CA	21	1	35		George Henry Margolis	DEM California
1271	CA	22	1	34		Carlos d Moorhead	REP California
1271	CA	22	1	35		Harvey L Goldhammer	DEM California
1371	CA	26	1	31		Howard L Berman	DEM California
1371	CA	26	1	32		Hal Phillips	REP California
067							
1171	CA	27	1	31		Mel Levine	DEM California
1171	CA	27	1	32		Bart W Christensen	REP California
1271	CA	31	1	33		Mervyn M O'Mally	DEM California
1271	CA	31	1	36		Henry C Minturn	REP California
1371	CA	42	1	34		Dan Lungren <lunGRIN>	REP California
1371	CA	42	1	35		James P Spellman	DEM California
066							
1171	CA	23	1	33		Anthony C Bellenson	DEM California
1171	CA	23	1	36		David Armor	REP California
1271	CA	24	1	33		Henry A Waxman	DEM California
1271	CA	24	1	36		Derry Zerg	REP California
1371	CA	26	1	31		Howard L Berman	DEM California
1371	CA	26	1	32		Hal Phillips	REP California
068							
1171	CA	27	1	31		Mel Levine	DEM California
1171	CA	27	1	32		Bart W Chrilstensen	REP California
1271	CA	31	1	33		Mervyn M O'Mally	DEM California
1271	CA	31	1	36		Henry C Minturn	REP California

1371	CA	42	1	34	Dan Lungren <lunGRIN>	REP	California	
1371	CA	42	1	35	James P Spellman	DEM	California	
065								
1171	CA	10	1	33	Don Edwards	DEM	California	
1171	CA	10	1	36	Bob Herriott	REP	California	
1271	CA	12	1	31	Emmett Lynch	DEM	California	
1271	CA	12	1	32	Ed Zechau <shahw>	REP	California	
1371	CA	13	1	33	Norman Y Mineta <minEHta>			
						DEM	California	
1371	CA	13	1	36	Tom Kelly	REP	California	
064								
1171	CA	09	1	33	Fortney H "Pete" Stark	DEM	California	
1171	CA	09	1	36	Bill ~ Kennedy	REP	California	
1271	CA	10	1	33	Don Edwards	DEM	California	
1271	CA	10	1	36	Bob Herrlott	REP	California	
070								
1171	CA	45	1	34	Duncan L Hunter	REP	California	
1171	CA	45	1	35	Richard Hill	DEM	California	
072								
1171	CA	41	1	34	Bill Lowery <LAHWree>	REP	California	
1171	CA	41	1	35	Tony Brandenburg	DEM	California	
1271	CA	44	1	31	Jim Bates	DEM	California	
1271	CA	44	2	32	Shirley M Glessendanner			
						REP	California	
1371	CA	45	1	34	Duncan L Hunter	REP	California	
1371	CA	45	1	35	Richard Hill	DEM	California	
071								
1171	CA	41	1	34	Bill Lowery <LAHWree>	REP	California	
1171	CA	41	1	35	Tony Brandenburg	DEM	California	
1271	CA	44	1	31	Jim Bates	DEM	California	
1271	CA	44	2	32	Shirley M Glessendanner			
						REP	California	
1371	CA	45	1	34	Duncan L Hunter	REP	California	
1371	CA	45	1	35	Richard Hill	DEM	California	
073								
1171	CA	35	1	34	Jerry Lewis	REP	California	
1171	CA	35	1	35	Robert E Erwin	DEM	California	
1271	CA	36	1	33	George E Brown dr	DEM	California	
1271	CA	36	1	36	John Paul Stark	REP	California	
1371	CA	37	1	31	Curtis P "Sam. Cross	DEM	California	
1371	CA	37	1	32	Al McCandless	REP	California	
063								
1171	CA	03	1	33	Robert T Matsui	DEM	California	
1271	CA	04	1	33	Vic Fazio <FAYzio>	DEM	California	
1271	CA	04	1	36	Roger B Canfield	REP	California	
110								
3	43	FL	00	1	53	Robert Graham <GRAHahm>	DEM	Florida
3	43	FL	00	1	56	L A "Skip" Bafalis	REP	Florida
2	43	FL	00	1	13	Lawton Chiles <ch-EYE-is>	DEM	Florida
2	43	FL	00	1	16	Van B Poole	REP	Florida
1143	FL	12	1	31	Brad Culverhouse	DEM	Florida	
1143	FL	12	1	32	Tom Lewis	REP	Florida	

108								
1143	FL	15	1	34	E Clay Shaw Or	REP	Florida	
1143	FL	15	1	35	Edward U Stack	DEM	Florida	
1243	FL	16	1	31	Larry Smith	DEM	Florida	
1243	FL	16	1	32	Maurice Berkowitz	REP	Florida	
107								
1143	FL	16	1	31	Larry Smith	DEM	Florida	
1143	FL	16	1	32	Maurice Berkowitz	REP	Florida	
1243	FL	17	1	33	William Lehman <LAYman>	DEM	Florida	
1343	FL	18	1	33	Claude Pepper	DEM	Florida	
1343	FL	18	1	36	Ricardo Nunez <NOONyes>	REP	Florida	
111								
1143	FL	05	1	34	Bill McCollum <mahCULLum>	REP	Florida	
1143	FL	05	1	35	Dlak Batchelor <BAHchelor>	DEM	Florida	
109								
1143	FL	16	1	31	Larry Smith	DEM	Florida	
1143	FL	16	1	32	Maurice Berkowitz	REP	Florida	
1243	FL	17	1	33	William Lehman <LAYman>	DEM	Florida	
106								
1143	FL	10	1	33	Andy Ireland	DEM	Florida	
103								
1143	FL	01	1	33	Earl Hutto <HUHtoe>	DEM	Florida	
1143	FL	01	1	36	J Terryl Bechtol <BECKtall>	REP	Florida	
104								
1143	FL	04	1	33	Bill Chappell <CHAHpel>	DEM	Florida	
1143	FL	04	1	36	Larry Gaudet <gauDEH>	REP	Florida	
105								
1143	FL	01	1	33	Earl Hutto <HUHtoe>	DEM	Florida	
1143	FL	01	1	36	U Terryl Bechtol <BECKtall>	REP	Florida	
088								
3	44	GA	00	1	51	Joe Frank Harnis	DEM	Georgia
3	44	GA	00	1	52	Bob Bell	REP	Georgia
1144	GA	09	1	33	Ed Jenkins	DEM	Georgia	
1144	GA	09	1	36	Charles Sherwood	REP	Georgia	
087								
1144	GA	04	1	33	Elliott H Levitas	DEM	Georgia	
1144	GA	04	1	36	Dick Winder	REP	Georgia	
1244	GA	05	1	33	Wyche Fowler dr	DEM	Georgia	
1244	GA	05	1	36	Paul Jones	REP	Georgia	
1244	GA	05	1	39	d. D. "Billy~ McKinney	IND	Georgia	
1344	GA	06	1	34	Newt Gingrich <GHINrich>	REP	Georgia	
1344	GA	06	1	35	Jim Wood	DEM	Georgia	
041								
3	21	IL	00	1	54	James R Thompson	REP	Illinois
3	21	IL	00	1	55	Adlai E Stevenson III	DEM	Illinois
1121	IL	15	1	34	Edward R Madigan	REP	Illinois	
1121	IL	15	1	35	Tim L Hall	DEM	Illinois	
1221	IL	19	1	54	Daniel B Crane	REP	Illinois	
1221	IL	19	1	35	John Gwinn <win>	DEM	Illinois	

042						
1121	IL	18	1	34	Robert H Michel <MYkel>	REP Illinois
1121	IL	18	1	35	G Douglas Stephens	DEM Illinois
1221	IL	20	1	34	Paul Findley	REP Illinois
1221	IL	20	1	35	Richard O Durbin	DEM Illinois
043						
1121	IL	17	1	31	Lane Evans	DEM Illinois
1121	IL	17	1	32	Kenneth G McMillan	REP Illinois
1221	IL	18	1	34	Robert H Michel <MYkel>	REP Illinois
1221	IL	18	1	35	G Douglas Stephens	DEM Illinois
046						
1121	IL	09	1	33	Sidney R Yates	DEM Illinois
1121	IL	09	2	36	Catherine Bertini	REP Illinois
1221	IL	10	1	34	John Edward Porter	REP Illinois
1221	IL	10	2	35	Eugenia S Chapman	DEM Illinois
044						
1121	IL	07	1	33	Cardiss Collins	DEM Illinois
1121	IL	07	1	36	Daneby Cheeks	REP Illinois
1221	IL	08	1	33	Dan Rostenkowski	DEM Illinois
1221	IL	08	2	36	Bonnie Hickey	REP Illinois
1321	IL	11	1	33	Frank Annunzio <ahNOONzio>	DEM Illinois
1321	IL	11	1	36	dames F Moynihan	REP Illinois
045						
1121	IL	06	1	34	Henry Hyde	REP Illinois
1121	IL	06	1	35	Leroy E Kennel	DEM Illinois
1221	IL	13	1	34	John N Erlenborn	REP Illinois
1221	IL	13	1	35	Robert Billy <BYlee>	DEM Illinois
1321	IL	14	1	34	Tom Corcoran	REP Illinois
1321	IL	14	1	35	Dan McGrath	DEM Illinois
040						
1121	IL	19	1	34	Daniel B Crane	REP Illinois
1121	IL	19	1	35	John Gwinn <win>	DEM Illinois
039						
2 22	IN	00	1	14	Richard G Logan <LOOgar>	REP Indiana
2 22	IN	00	1	15	Floyd Fithlan	DEM Indiana
1122	IN	01	2	31	Katie Hall	DEM Indiana
1122	IN	01	1	32	Thomas H Krieger <KREEger>	REP Indiana
052						
3 31	IA	00	2	51	Roxanne Conlin	DEM Iowa
3 31	IA	00	1	52	Terry Branstad	REP Iowa
1131	IA	02	1	34	Tom Tauke <TAWkey>	REP Iowa
1131	IA	02	1	35	Brent Appel <ahPELL>	DEM Iowa
053						
1131	IA	05	1	33	Tom Harkin	DEM Iowa
1131	IA	05	1	36	Arlyn E Danker	REP Iowa
083						
1145	LA	04	1	33	Buddy Roemer <ROEmer>	DEM Louisiana
1245	LA	07	1	33	John B Breaux <brow>	DEM Louisiana

098						
	3	52	MD	00	1	53 Harry R Hughes DEM Maryland
	3	52	MD	00	1	56 Robert A Pascal <PAHskel> REP Maryland
	2	52	MD	00	1	13 Paul Sarbanes <SAHRbanes> DEM Maryland
	2	52	MD	00	1	16 Lawrence U Hogan REP Maryland
	1152	MD	02	1		33 Clarence D Long DEM Maryland
	1152	MD	02	2		36 Helen Delict Bentley REP Maryland
	1252	MD	03	2		33 Barbara A Mikulski DEM Maryland
	1252	MD	03	1		36 H Robert Scherr <share> REP Maryland
	1352	MD	07	1		33 Parren Mitchell DEM Maryland
	1352	MD	07	2		36 M Leonora Jones REP Maryland
004						
	3	03	MA	00	1	51 Michael S Dukakis DEM Massachusetts
	3	03	MA	00	1	52 John W Sears REP Massachusetts
	2	03	MA	00	1	13 Edward M Ted Kennedy DEM Massachusetts
	2	03	MA	00	1	16 Raymond Shamie <SHAMee> REP Massachusetts
	1103	MA	03	1		33 Joseph D Early DEM Massachusetts
	1203	MA	05	1		33 James M Shannon DEM Massachusetts
006						
	1103	MA	05	1		33 James M Shannon DEM Massachusetts
	1203	MA	07	1		33 Edward ~ Markey <MAHPkey> DEM Massachusetts
	1203	MA	07	1		36 David M Basile <bahSEAL> REP Massachusetts
005						
	1103	MA	04	1		33 Barney Frank DEM Massachusetts
	1103	MA	04	2		34 Margaret U Heckler REP Massachusetts
003						
	1103	MA	02	1		33 Edward P Boland <BOWLand> DEM Massachusetts
	1103	MA	02	1		36 Thomas P Swank REP Massachusetts
	1203	MA	03	1		33 Joseph D Early DEM Massachusetts
007						
	1103	MA	04	1		33 Barney Frank DEM Massachusetts
	1103	MA	04	2		34 Margaret M Heckler REP Massachusetts
	1203	MA	10	1		33 Gerry E Studds DEM Massachusetts
	1203	MA	10	1		36 John E Conway REP Massachusetts
050						
	3	33	MN	00	1	51 Rudy PERPICH <PERPICH> DEM Minnesota
	3	33	MN	00	1	52 Wheelock Whitney REP Minnesota
	2	33	MN	00	1	14 David Durenberger REP Minnesota
	2	33	MN	00	1	15 Mark Dayton DEM Minnesota
	1133	MN	01	1		34 Tom Hagedorn <HAHguedorn> REP Minnesota
	1133	MN	01	1		35 Timothy J Penny DEM Minnesota
051						
	1133	MN	01	1		34 Tom Hagedorn <HAHguedorn> REP Minnesota
	1133	MN	01	1		35 Timothy Penny DEM Minnesota
	1233	MN	03	1		34 Bill Frenzel <FRENzel> REP Minnesota
	1233	MN	03	1		35 Joel Sallterman DEM Minnesota
049						

1133	MN	04	1	33	Bruce F Vento <VENToe>	DEM	Minnesota
1133	MN	04	1	36	Bill dames	REP	Mlnnesota
1233	MN	06	1	34	Arlen Erdahl <Erdahl>	REP	Mlnnesota
1233	MN	06	1	35	Gerry Sikorski	DEM	Minnesota
085							
2	46	MS	00	1	13	John C Stennis	DEM Mississippi
2	46	MS	00	1	16	Haley Barbour	REP Mississippi
1146	MS	01	1	33	Jamie L Whitten <Witten>	DEM	Mississippi
1146	MS	01	2	36	Fran Fawcett	REP	Mississippi
084							
1146	MS	03	1	33	G V "Sonny" Montgomery	DEM	Mississippi
055							
2	34	MO	00	1	14	John C Danforth	REP Missouri
2	34	MO	00	2	15	Harriet Woods	DEM Missouri
1134	MO	09	1	33	Harold L Volkmer	DEM	Missouri
1134	MO	09	1	36	Larry E Mead	REP	Missouri
056							
1134	MO	01	1	33	William Clay	DEM	Missouri
1134	MO	01	1	36	William E White	REP	Missouri
1234	MO	02	1	33	Robert A Young	DEM	Missouri
1234	MO	02	1	36	Harold L Dielmann	REP	Missouri
1334	MO	03	1	33	Richard A Gephardt	DEM	Missouri
1334	MO	03	1	36	Richard Foristel	REP	Missouri
054							
1134	MO	06	1	34	E Thomas Coleman	REP	Missouri
1134	MO	06	1	35	Jim Russell	DEM	Mlssourl
058							
3	35	NE	00	1	54	Charles Thone <THOEn>	REP Nebraska
3	35	NE	00	1	55	Bob Kerrey <kerry>	DEM Nebraska
2	35	NE	00	1	13	Edward Zorlinsky	DEM Nebraska
2	35	NE	00	1	16	William Keck	REP Nebraska
1135	NE	03	2	34	Virginia Smith	REP	Nebraska
057							
1135	NE	02	1	34	Hal Daub <DAHwb>	REP	Nebraska
1135	NE	02	1	35	Richard M Fellman	DEM	Nebraska
001							
3	04	NH	00	1	53	Hugh Gallen	DEM New Hampshlre
3	04	NH	00	1	56	John H Sununu <SOOnoonoo>	REP New Hampshlre
1104	NH	02	1	34	Judd Gregg	REP	New Hampshire
1104	NH	02	1	35	Robert L Dupay <dooPAY>	DEM	New Hampshire
020							
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2	12	NJ	00	2	12	Millicent Fenwick	REP New Jersey
1112	NJ	07	1	34	Matthew ~ Rinaldo	REP	New Jersey
1112	NJ	07	1	35	Adam K Levin	DEM	New Jersey
1212	NJ	12	1	34	Jm Courter	REP	New Jersey
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021						
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075.						
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1313	NY	12	1	37	David E Rosenstroch	CON New York
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	1314	PA	13	1	34	Lawrence Coughlin	REP Pennsylvania	
	1314	PA	13	1	35	Martin Cunningham Sr	DEM Pennsylvania	
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				DEM	Rhode Island
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	2 05 RI 00 1	14	John N Chafee	REP	Rhode Island
	2 05 RI 00 1	15	Julius C Michaelson	DEM	Rhode Island
	1105 RI 01 1	33	Fernand d St Germain	DEM	Rhode Island
	1105 RI 01 1	36	Burton Stallwood	REP	Rhode Island
	1205 RI 02 2	34	Claudine Schnelder	REP	Rhode Island

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2	06	VT	00	1	14	Robert T Stafford REP Vermont
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1225	WI	05	1	31	dim Moody DEM Wisconsin	
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1125	WI	06	1	34	Thomas E Petri REP Wisconsin	
1125	WI	06	1	35	Gordon E Loehr <lair> DEM Wisconsin	

□>> ALTERNATIVE APPROACHES TO SURVEY DATA COLLECTION FOR THE
NATIONAL ELECTION STUDIES:

A Report on The 1982 NES Method Comparison Project

by
J. Merrill Shanks
Maria Sanchez, and
Betsy Morton

Submitted to Warren E. Miller, Principal Investigator
and

The NES Board of Overseers
INITIAL VERSION
March 15, 1983

OUTLINE

INTRODUCTION: THE NES RATIONALE FOR CATI AND METHOD COMPARISON

Potential Advantages of Telephone Surveys for Electoral Research

Method Comparison and CATI Evaluation Issues

- Differences in sample or measurement quality

Instrument complexity and new measurement formats

Comparability with NES time series

- Sample size, interview length, and data collection costs

DESIGN AND GOALS FOR THE 1982 METHOD COMPARISON PROJECT

Immediate Analytic Objectives

-- Univariate differences between methods

-- Differences in coverage, completion, and measurement

-- Differences in relationships between variables

-- Identifying congressional districts

-- "House effects": Differences between CATI operations

Testing for differences: A Note on Statistical Procedure

A SUMMARY OF INITIAL RESULTS

Sample outcomes and response rates for the three projects

Modest (but significant) differences in social characteristics

Consistent differences in opinionation or involvement

Modest (but inconsistent) differences in political attitudes

Measurement differences and relationships between variables

Alternative ways to identify congressional districts

GENERAL CONCLUSIONS AND RECOMMENDATIONS

General similarity or comparability between the two methods

The importance of maintaining personal and telephone methods

The need for continuing analysis and experimentation on cost

quality tradeoffs for alternative data collection procedures

Organizational issues: Staffing implications of growing

technical complexity; and alternatives for large sample designs

INTRODUCTION

Since the discussions which led eventually to the initial proposal for the National Election Studies, no single subject has taken more time within the NES community than the appropriateness of alternative survey designs based on telephone methods -- and the potential advantages and/or disadvantages associated with the newer systems for computer-assisted telephone interviewing (or CATI). This general interest first came sharply into focus in 1978-79, during the Board's deliberations concerning the most efficient way to study the primary election period before the 1980 presidential nominating conventions. The Board's 1980 Committee ultimately chose to recommend against using telephone-based methods for

any of the major design elements for that election, because of uncertainty in the areas to be discussed below. But many of the same issues also arose in the Board's discussions of alternative approaches to research on congressional elections, based on analytic limitations imposed by the sample design used in NES' otherwise successful study of the 1978 election.

Issues concerning the design and/or data quality tradeoffs associated with telephone vs. conventional survey methods -- and the new (but still uncertain) potential of computer-assisted systems for data collection -- have therefore been central to Board deliberations throughout NES' short history as a national research facility. In 1982, these issues culminated in a Board decision to sponsor a direct comparison between the two methods in conjunction with the regular 1982 study. Although the initial results of that study were not available until mid-February of 1983, they have already influenced many of the Board's decisions concerning NES data collection plans for 1984. Analyses of the complex set of method comparisons made possible by the 1982 project will no doubt continue for some time, both within the Board and staff and in the larger NES research community, and the results of those analyses will structure Board deliberations concerning alternative designs throughout the next grant period.

The purpose of this report is to review the background and or rationale for the 1982 Method Comparison Project, and to summarize those initial results from the Project which bear directly on the feasibility and cost-effectiveness of the new survey techniques. We also hope to encourage other researchers to exploit the (unique) methodological data produced by the project, for this report represents only the first step in what should become a continuing program of research and development on telephone- and CATI-based techniques. As we will argue, much remains to be done before NES can take full advantage of the new survey techniques involved.

Potential Advantages

In its 1983 proposal to the National Science Foundation, the NES Board has identified those substantive areas where NES surveys are likely to depart from prior studies, based on recommendations from active scholars who use NES materials on a continuing basis. In specifying the research objectives which the Board has given a high priority for the mid-1980's, the proposal also emphasizes the method- or design-related implications of several recommendations, for they would require an at least partial shift to telephone-based methods. In general, recommendations of this sort -- that NES utilize telephone surveys and/or computer-assisted systems -- cite one or more of the following potential advantages of the new techniques:

1. With telephone-based techniques, it may be possible to achieve a major reduction in cost per interview or a major increase in sample size, through some combination of lower interviewing costs on the telephone and greater production efficiency through the use of computer-assisted telephone interviewing (CATI);
2. CATI systems make it possible to use more complicated survey instruments or measurement procedures, based on computer-assisted branching, cycling, and automatic modification of question content;
3. CATI may minimize the amount of error involved in survey data through "online" verification and/or edit checking;
4. Both centralized telephone interviewing and CATI may make it easier to control (or schedule) the administration of NES instruments to independent national samples in relatively short periods of time, in order to provide a

Time sensitive. design for assessing the impact of campaign-related and other political events; and

5. Both telephone methods and CATI should facilitate the administration of NES instruments to specific sub-national constituencies (such as deliberately selected states and/or congressional districts), for which the traditional NES national sampling frame and interviewing staff is impractical.

As discussed more fully in the 1983 NES proposal, the above data collection objectives have played a central role in discussions about a wide variety of future NES research objectives. Prior to 1982, however, the Board and staff were reluctant to commit significant data collection resources to the new techniques involved because of general uncertainty about the consequences of such a decision, and because of specific concerns about the tradeoffs between cost, sample size, and data quality involved.

Possible Problems or Methodological Issues

In particular, Board discussions about telephone interviewing have for some time reflected the following concerns or reservations:

1. Telephone-based methods might lead to a loss in sample quality, based on a combination of non-coverage (of citizens living in households without telephones) and the potential for lower response rates in telephone surveys.

2. Host observers have shared a belief that the average length of telephone interviews cannot be extended to the 60 to 70 minutes required to cover the traditional NES content.

3. Many researchers have also been concerned about the absence of show cards and other visual displays in telephone interviews. NES instruments have made extensive use of such aids, so that telephone methods might lead to losses in comparability or data quality vis a vis the traditional (face-to-face) interviews. It was also recognized that in principle CATI systems might compensate for the loss of visual aids by reformulating questions into complex sequences which take advantage of automatic "branching", but no evidence existed concerning the effectiveness of such compensating capabilities for NES-type items.

4. Telephone surveys based on national samples produced by random digit dialing may not be feasible for research objectives which require that each interview be assigned to a particular congressional district before substantive questions begin.

5. The use of telephone-based surveys for studies which need probability sampling, high response rates, and long interviews is relatively new. As a result, information presented to the Board about the relative costs of telephone vs. traditional methods has been inconsistent at best. It has thus been impossible to assess the hard cost-related tradeoffs involved in any design changes for future studies.

6. This uncertainty about costs has been compounded with respect to computer-assisted telephone interviewing, for CATI systems themselves -- and detailed NES procedures for using CATI -- were still in an exploratory stage. Thus, even the cost-related results of demonstration CATI projects were difficult for NES to assess, because the operational procedures involved had not reached sufficient popularity to permit stable cost estimates for large scale NES utilization.

During the early 1980's, however, experience with telephone interviewing and

CATI systems within the academic, governmental and private sectors advanced to the point where the new techniques demanded serious consideration by NES. In particular, the Berkeley Program in Computer-Assisted Survey Methods had demonstrated in 1981 that the length of telephone interviews on political topics could be extended to 50-55 minutes, thereby overcoming what had been assumed to be a fundamental barrier to NES use of telephone surveys (See Shanks, et al, 1981). Nevertheless, it was still the case that the concerns about tradeoffs in cost and data quality for NES could not be effectively addressed by reviewing other CATI demonstration or method comparison projects.

DESIGN AND GOALS FOR THE 1982 METHOD COMPARISON PROJECT

For these reasons, the Board decided to commit all of its R&D resources for 1982 to a systematic comparison of the two methods. As originally proposed, the same NES interview schedule would be administered to two independent national random adult samples, one of which would use traditional household sampling and face-to-face personal interviewing, and the other would use an RDD sample of telephone households and computer-assisted telephone interviewing. As the project developed, it was further proposed that the CATI component for the study be equally (and randomly) divided between the two approaches to CATI system design and production data collection being developed at Michigan and Berkeley. Given probable budgetary constraints, the specific goals for these three independent data collection projects were set at 1500 traditional (or face-to-face) interviews, 500 interviews produced by ISR's CATI facility, and 500 interviews produced by CSli's CATI facility.

With both approval and supplementary support from the Foundation, this specific design was carried out during the period following the 19&2 congressional elections. The next section of this report reviews the objectives and procedures used in our first analysis of the resulting data, and the following section highlights the analytic results which have already been presented to the NES Board. A concluding section then provides a brief summary of the lessons so far obtained from the Method Comparison and CATI demonstration aspects of the 1982 study. This discussion includes our own recommendations concerning the methodological and/or technical issues which need further attention before NES can regard the 1982 design as "established" or routine, and a short discussion of the organizational and staffing issues associated with large scale NES utilization of the new (computer-assisted) techniques.

Immediate Analytic Objectives. Given the above set of general goals, answers to preceded questions from the 19&2 survey were processed during the few weeks between the completion of all interviewing activity and the Board's February meeting. As of this writing, coding and editing for open-ended questions and "other specify" were still underway, but method comparisons based on those materials will be incorporated in a subsequent version of this report.

In the following pages, we have summarized our early conclusions from the 1982 Method Comparison Project in six broad categories, dealing with:

1. Univariate differences between the traditional and CATI samples, with respect to:

- social and demographic characteristics;
- the existence of political interest and opinion; and
- the direction of political opinions (when present);

2. Where possible, univariate differences between methods are discussed in terms of the contributions made by method differences in sample coverage, response rates, and measurement techniques;

3. Differences between the traditional and CATI samples in relationships between variables;
4. alternative approaches to congressional district classification;
5. "House" effects, based on differences between the Michigan and Berkeley portions of the CATI sample; and,
6. the impact of telephone methods and CATI on costs and study organization.

Testing for Differences: A Note on Statistical Procedure.

Previous studies provide some guidance concerning the probable direction and magnitude of any differences which might arise between telephone-based and traditional methods -- and the extent to which they may be attributed to differences in coverage, response rates, or measurement (Groves and Kahn, 1979, Freeman, et al, 1982). The NES Board and Staff, however, are primarily concerned with the combined effect of all three of these sources (or types) of "method effects". For this reason, and because the three types of effect cannot always be separated, our initial analyses have been structured in terms of an overall null hypothesis. Thus, we have repeatedly tested the proposition that our traditional and telephone methods produced two independent random samples from the same population, or that each difference between the two 1982 samples can be attributed solely to chance.

As our first, and deliberately exploratory, analytic step, we therefore examined the relationships between type of data collection (personal vs. CATI) and substantive NES variables in each of the three areas mentioned above -- i.e. in social or demographic characteristics, in the degree to which respondents expressed political opinions or interest, and in the direction of political attitudes. For each such relationship (between method and substance), we then calculated the apparent probability that a relationship (or a departure from complete independence) that large could have arisen by chance. Since this part of the analysis has necessarily examined a very large number of potential differences between the two methods, our search for differences was carried out on only a random half of the interviews from both samples. In those cases where this exploratory procedure yielded evidence of a difference which is "significant" at the .05 level, the same calculations are then replicated on the second random half of our sample. For those variables where a significant difference persists, we then discuss the degree to which those differences may be due to the three types or sources of method differences -- i.e. to coverage (of non-telephone households), differential completion rates, or differences by mode in the measurement of identical concepts. In some sections, we have re-examined the same relationships after restricting the analysis to those respondents who voted in 1982. Many NES analyses are necessarily limited to the active (instead of the potential) electorate, so it is essential to see if overall method differences persist when the sample is restricted in that fashion.

The above split-sample procedure was also used to test for differences between the two CATI-based survey organizations that collected the data. But "method differences were much more numerous (and significant) than "house" differences in the 1982 project.

A SUMMARY OF INITIAL RESULTS

All three data collection projects achieved their objectives in terms of

completed interviews, and the final response rates for the three projects were consistent with prior expectations. Thus, 1418 complete or partial interviews were conducted in respondents' houses, for a completion rate of 72%. The Berkeley CATI study yielded 501 complete or partial interviews, the Michigan CATI operation produced 500 complete or partial interviews, and both CATI samples represent a completion rate of 62%. Based on the information now available, all three projects adhered to their design specifications for households and respondent selection, so that the three data sets can be interpreted as independent samples from the same population -- i.e. of adult citizens living in households during the 1982 post-election period. Any differences between the three sampler that cannot be attributed to chance should therefore be attributed to one or more intentional differences in method or procedure, rather than defects in the execution of our basic design.

Method-Related Differences in Social Characteristics.

Out of 11 comparisons, five fixed personal characteristics or demographic variables yielded statistically significant differences between the traditional and CATI samples. These differences in respondent's education, income, race, religion, and region were of course initially detected in an exploratory analysis based on a random half of both samples, but Table A (on the following page) highlights those differences for the total 1982 sample, along with selected results for variables with no method-related differences.

The relationship between data collection method and education is of course familiar from previous studies (Groves and Kahn, 1979, Freeman, et Al, 1982). As in other studies, some of this difference can be attributable to the small proportion (approximately 5%) of the population excluded from telephone surveys because they live in households without telephones. Thus, when this "coverage" effect is removed by restricting the traditional (or face-to-face) sample to those respondents who live in telephone households, the magnitude of the educational difference between the two samples is reduced-, but it is still clearly significant. In any production utilization of telephone-based methods, weight variables would presumably be used to correct for differential response rates between areas, and to correct for the disproportionate representation of better educated citizens in telephone samples. But the magnitude of education-related differences should be recognized wherever those weights are used.

Table A

METHOD-RELATED DIFFERENCES IN SOCIAL CHARACTERISTICS

Significant Differences	Total Personal Interview Sample	Total CATI Sample
Education -- Percent with no High School	23.2	16.6
Percent With College Degree	18.7	24.4
Number of Cases (Base N)	(1401)	(948)
Race -- Percent Black	10.6	5.6
Percent Non-Black	89.4	94.4
Number of Cases (Base N)	(1402)	(945)
Household -- Percent With Income Less Than \$5,000	10.7	4.4
Percent With Income Greater Than \$35,000	18.8	24.3

	Number of Cases (Base N)	(1246)	(861)
Religion	Percent Protestant	62.6	51.6
	Percent With No Preference	13.5	20.9
	Number of Cases (Base N)	(1398)	(954)
Region of -- Residence	Percent in Northeast	19.8	28.1
	Percent in South	36.1	33.9
	Number of Cases (Base N)	(1407)	(954)
Non-Significant Differences			
Union -- Membership	Percent With Union Member in Household	21.4	20.0
Marital -- Status	Percent Married Living with Spouse	60.0	60.4
Age --	Percent Less Than 26 Years Old	14.1	16.1

The noticeable differences between traditional and CATI samples with respect to race and income present more difficult problems of interpretation, for these effects may be at least partially caused by differences in the conceptualization and measurement of the basic variables involved -- as well as sample-related differences due to non-telephone households and differential response rates. Thus, race was (necessarily) measured through a direct question asked of all respondents on the telephone, while the 1982 NES personal interviews relied on direct interviewer observation. And income was measured on the telephone through a complex series of questions which took advantage of CATI's capability for automatic branching, since the "card" which is used to show income categories to respondents in personal interviews could not be used.

Whatever the cause of these differences, however, it seems important to note that household sampling and face-to-face interviews produced a national sample of the potential electorate in 1982 with nearly twice as many blacks as a comparably sized sample produced by random digit dialing sampling and telephone interviewing. And the 1982 telephone sample under-represented low income families in general -- and included only half as many families with income less than \$5,000 per year.

As in the case of education, these differences can -- and should -- be partially corrected through weight variables which compensate for known under-representation of specific demographic groups. In developing such a weighting procedure, however, our current evidence is less than decisive, for the national data which might be used as a standard for correction are themselves based on different data collection procedures i.e. on interviewer observation or self-administered questionnaires. As discussed below, we recommend that NES continue to support research and development in a variety of telephone-related areas. The whole question of demographic representation and weighting provides a good case in point, for it raises a variety of issues concerning the correct standard for re-weighting both the telephone and the personal interview sample.

Although the representative quality of telephone vs. traditional samples must be judged on the basis of total sample comparisons, it is worth noting that both the education and income differences are much weaker (and in fact fail to obtain statistical significance on a half sample basis) when the analysis is

restricted to those who actually voted in 1982. Thus, as in our prior analysis of non-telephone household distinctiveness based on data from the 1980 NES study, the impact of telephone methods on sample composition would appear to be much less for the active (instead of the potential) electorate.

As shown in Table A above, the 1982 CATI sample departed from the 1982 personal interview sample (and previous NES studies) in the proportion of respondents who live in the Northeast and Southern regions of the country. As of this writing, the explanation of this regional difference is not clear, but it appears to stem from the original telephone sample, rather than from differential response rates by region. Regional differences will be removed when the data are weighted, but the weight variable to be used has yet to be developed, and will depend on an extended analysis that has only recently begun. The apparent method-related difference in religious preference was entirely unexpected, and may be a by-product of the regional and educational differences discussed above. As in many other sections of this report, however, further analysis of this difference must await the completion of a weight variable which compensates for known differences in other social characteristics.

In summary, it seems likely that some demographic differences will persist between samples produced by traditional vs. telephone-based methods. But the effects involved are modest in nature, they are to a considerable extent concentrated among non-voters, and they can be largely removed through the utilization of appropriate weights. To reinforce this general conclusion, we have begun to compare the distributions on variables from the traditional NES sample in 1982 with comparable figures from the 1980 census.

Table B

Years of School Completed	METHOD-RELATED DIFFERENCES IF EDUCATIONAL ATTAINMENT		
	1980 Census	1982 Personal Interviews	1982 CATI Interviews
0-11	32%	23%	17%
4 Yrs High School	36%	34%	36%
1-3 Yrs College	17%	23%	25%
4+ Yrs College	15%	20%	22%
	100%	100%	100%

As shown in Table B, the difference in education between the CATI and traditional NES samples represents only an extension of an already noticeable discrepancy between traditional NES samples and Census Bureau estimates for the national adult population. In general, even political surveys carried out by academic organizations that use probability sampling and seek the highest possible response rates under-represent citizens with low levels of education and income. In making inferences about the potential electorate, these differences have posed a potential threat to correct inferences about univariate distributions -- if not about relationships between variables for some time, and the use of telephone methods would appear to accentuate those difficulties. Were it not for considerations of cost, timing, or geographical location, traditional survey methods (based on household sampling and face-to-face interviewing) would apparently produce a slightly more accurate portrait of the potential electorate. But these method-related differences are generally modest, while the cost differences between the two techniques are not.

Differences in Political Interest and Opinionation. The clearest and most consistent differences between CATI and traditional methods arise when we focus on the extent to which respondents offer opinions on issues, and on the level of political interest or involvement. As before, the magnitude of those

differences is not great, but 21 out of 54 comparisons made in this area between the CATI and personal half samples produced differences which were significant at the .05 level. Most of those differences were again significant in our second half sample, but (perhaps understandably) only seven remained significant when the analysis was restricted to the active electorate. Table C (on the following page) presents five of these comparisons, based on the full 1982 sample for both techniques. We are not yet sure whether the differences in Table C are solely due to the greater ease with which politically uninterested potential respondents can refuse to participate in a telephone interview. It may also be the case that telephone respondents are less willing to admit they "don't know" in response to attitudinal questions, or that probing is more effective on the telephone. But we are tempted to conclude that non-response is more sensitive to low levels of political interest on the telephone than in face-to-face (personal) interviews.

Differences in the Direction of Political Attitudes. For those respondents in both samples who do express an opinion or attitude on NES issue variables, we have also tested the hypothesis that the distribution or balance of opinion is the same in both populations -- and then checked to see if significant differences persist when the analysis is restricted to the active electorate. Out of 64 (half sample) comparisons of that sort, only 19 are statistically significant at the .05 level, and 10 of these are no longer significant when the analysis is restricted to the active electorate. Table D presents six of these significant differences, along with insignificant differences in ideology and overall approval of Ronald Reagan's performance -- in order to illustrate the modest and inconsistent nature of method-related effects in this area.

Table C

CATI	DIFFERENCES IN POLITICAL INTEREST AND OPINIONATION	
	Total Personal	Total
	Interview Sample	Sample
Percent with No Opinion on Gov't Spending and Services	20.4	14.4
Percent with No Opinion on the Long Term Impact on the Economy of Reagan Policies	18.3	10.3
Percent with No Opinion on the Equal Rights Amendment	7.0	2.5
Percent Who Follow Gov't and Public Affairs "Hardly at All"	14.8	8.6
Percent Who Care "Very Much" About the Outcome of congressional Elections	20.6	24.5
Number of Cases (Average Base N)	(1400)	(950)

To help us in interpreting these results, we have begun to use summary variables within each category of NES questions, in order to remove some of the idiosyncratic (and/or random) differences between items. In initial analyses, variables which summarize perceptions (traits) and feelings about Ronald Reagan have not shown a significant relationship to data collection

mode, but we are not yet prepared to conclude that "no differences" exist. And we are not yet certain how to summarize sample differences in policy preferences. There are significant differences in individual 7-pt scales, but the direction of those differences is inconsistent. There is no significant difference in overall ideological self-identification, and we have as yet no insights into the role played by sampling and measurement differences between the two techniques.

Table D

DIFFERENCES IN THE DIRECTION OF POLITICAL ATTITUDES
(Base N's are in Parentheses)

	Total Personal Interview Sample	Total CATI Sample
* Average Score on Ideology (ISR) (1=Liberal, 7=Conservative)	4.3 (888)	4.3 (331)
Average score on Aid to Minorities (ISR) (1=Favor Aid, 7=Oppose)	4.4 (1186)	4.1 (399)
Average Score on Gov't Spending (Berkeley) (1=Cut, 7=Increase)	3.9 (1115)	4.3 (410)
Average Score on Gov't Services (ISR) (1=Reduce, 7=Increase)	3.8 (1109)	4.2 (403)
Average Score on Gov't Jobs Responsibility (Berkeley) (1=Favor, 7=Oppose)	4.3 (1202)	4.5 (407)
* Percent Who Approve of Reagan's Performance As Pres.	51.4 (1310)	54.3 (902)
Percent who Approve of the way Reagan is Handling National Defense	55.7 (1198)	61.5 (832)
Percent who are Strong or Weak Democratic Identifiers	45.2	37.4
Percent who are Strong or Weak Republican Identifiers	24.5 (1373)	26.0 (940)

* Not significant at the .05 level

Because of the branching experiment, these results are based on either the ISR or the Berkeley half-samples who were asked the questions in the conventional 7-point (non-branching) format.

Based on our results so far, we have concluded that telephone methods yielded consistently (and significantly) different distributions in political attitudes only for partisan identification and some party-related evaluations. Both the ISR and Berkeley telephone samples included fewer democrats, and this

difference remains when the analysis is restricted to actual voters. As in all other comparisons in this report, we do not yet know whether this sample difference in partisanship will disappear when we re-weight the telephone sample to correct for known differences in demographic characteristics. When appropriate weight variables have been constructed, all of the above analyses will be repeated, so that we can assess the degree to which the two methods produce different results through mechanisms other than the telephone's under-representation of less educated and politically interested citizens.

Measurement-related Differences As discussed above in connection with sample differences in race and income, results of telephone surveys (and CATI studies in particular) may differ substantially from those of traditional surveys because of measurement differences associated with the loss of visual aids. In the case of questions about income and detailed contacts with congressional candidates, this change in instrumentation is unavoidable, and the revised questions for CATI represent only a natural adaptation of the same basic objectives and categories.

In the area of political issues, however, the 1982 project included an additional experiment on the consequences of different approaches to the conceptualization and measurement of both the respondent's position and his perception of the position held by several candidates and parties. By again taking advantage of the random allocation of cases to Michigan or Berkeley, respondents were randomly assigned to one of the two following measurement "treatments."

-- with respect to ideological position, attitudes towards government services, defense spending, aid to minorities, equality for women, and governmental responsibility for jobs and standard of living:

1. In the "traditional" treatment, the "card" used in personal interviews to explain the seven point scale was simply evoked for telephone interviews as part of the question text, and respondents were asked telephone questions which closely followed the traditional NES wording;

2. In the CATI or "branching" approach, respondents were first asked a simple trichotomous question concerning their own opinion, and their answer to that question determined the (different) follow-on question used to classify each respondent into one of seven final categories. (The same two stage process was then used to capture respondents' perceptions of candidates and party "positions" on the same policy issues.) In constructing these questions, care was taken to maintain the definition of the end points on the traditional 7 point scale, but the branching format led inevitably to some changes in the definition of final response categories.

Based on the 1979 NES pilot survey, and subsequent discussions concerning the potential advantages of CATI-type branching, some researchers have anticipated improvement in the accuracy or validity of data on issue positions produced through this multi-stage process. That possibility will be addressed below in our discussion of "Differences in Relations Between Variables", but it also suggests the importance of comparing the overall marginal distributions between the two approaches to measurement. We are therefore using our (random) half samples to test the hypothesis that the branching format produces a systematically different impression of the overall balance of public opinion in each attitude area. Comparisons of this sort will be discussed in greater detail in subsequent versions of this Report, but the following results are already clear:

1. There are no consistent differences between the two methods in their tendency to over (or under) represent one side of the bipolar dimensions

represented by the four NES questions used for this comparison;

2. The branching format does reduce the number of respondents who remain at an indeterminate or "middle" position, although it is not yet clear if such a change represents an improvement;

3. For whatever reasons, the branching approach maximizes the variation between respondents' in their apparent position on the 7 underlying dimensions, a fact which should be kept mind when interpreting differences between methods in relations between variables;

4. We believe that branching results in a noticeable increase in the amount of missing data, possibly because the initial trichotomous question provides more encouragement for respondents to say they "haven't thought much about this" -- but this result has not yet been fully tested; and

5. The branching method takes noticeably longer to administer when placements are needed for a substantial number of candidates.

This last point deserves special emphasis, as the Board's 1984 Committee begins its deliberations concerning the multiple design elements for that year. Continuity with previous election studies may well require that the traditional 7-pt scale be continued for the Fall (time series) component of the 1984 study. But branching methods may be attractive for the pre-convention portions of the study unless the instrument calls for "placements" for a large number of candidates. As of this writing, method comparisons in the issue and branching areas have only begun, but future NES Committees may well have to choose between better measures of respondent positions and issue placements for more candidates.

Relationships Between Variables. In our initial -- and exploratory -- comparisons of the CATI and traditional samples, we have also examined the strength of relationships for each method between basic political predispositions and a substantial number of attitudinal or opinion variables. In our results so far, no significant differences have been found between the telephone and traditional samples in bivariate relationships between party identification (and ideology) and several dozen other political variables. There is an inconsistent (and insignificant) tendency for relationships between party identification and specific partisan evaluations to be slightly stronger in the personal interview sample. But this faint tendency is if anything reversed in relationships between ideological self designation and issue position, and we suspect that these preliminary differences are to some extent confounded by the differences between the two samples in levels of education and by the differences between branching vs. 7-pt measures -- as discussed above.

Confirmation (or rejection) of these last possibilities will require further analysis, and these same comparisons may have to be replicated in a subsequent election before we can dismiss sampling error as an explanation, for none of our differences in relationships represent more than a 15% change in the measures of association involved. In summary, our initial results suggest that NES analysts who are primarily interested in relationships between variables need not worry about the impact of telephone-based methods on their results.

Congressional District Classification. Since 1978, NES Board and Committee meetings devoted to research on congressional election have repeatedly dwelled on the potential advantages of telephone surveys for congressional research primarily because of the larger sample size which could be produced. But all parties involved were also concerned about the potential barrier to such an application posed by the initial ambiguity concerning the current

congressional district for households selected through random digit dialing (RDD). Since the instrumentation developed for the 1978 NES study requires that detailed information about the candidates be used to automatically modify all questions about congressional elections, some method had to be found and tested to produce such information before each interview.

For this reason, one of the major objectives of the 1982 Method Comparison study was an assessment of the relative efficiency and accuracy of alternative techniques for assigning randomly selected household telephone numbers to congressional districts. On the basis of extensive staff and Board discussions, it was decided that only a "streamlined" method would be used in 1982, in which congressional districts were simply attributed to each randomly selected household telephone number (where any possibility of ambiguity existed) based on information provided by the respondent -- so that the maximum number of interviews could be conducted with the resources available. In principle, the Board might recommend (and may do so in the future) that interviews involving some ambiguity concerning district identification be interrupted, so that geographic information may be used to identify the district involved before resuming the interview as a callback. This option was not exercised in 1982, both because of the extra costs associated with such a venture, and because detailed geographic maps were not available from the 1981 and 1982 redistricting in time to support such a technique. Instead, the 1982 interviews included questions about the geographic location of the respondent's household, and each case was ultimately associated with a "true" congressional district, based on address information and detailed maps -- but that classification took place after all the interviews were completed. Based on that effort, an analysis is now underway concerning the detailed correspondence between the apparent district (to which each respondent was attributed during the interview) and the actual district which a more careful (but expensive) procedure could (in principle) have established before substantive questioning began.

Before discussing these results, it may be helpful to review what we believe is the major important conceptual and measurement issue before the Board concerning survey measurement in the congressional area. Based on the data from prior election studies, it has been evident for some time that a substantial proportion of NES respondents are unable to evaluate congressional

candidates, and appear to have very little information about any of the alternatives involved. Nevertheless, previous election studies have maintained the practice of asking all potential voters for their evaluations of the candidates and for evidence of contact with both the incumbent and/or challengers. Thus, a substantial amount of interview time has been used to obtain repeated negative answers like "no contact. or no specific "likes" or "dislikes". Many analysts (and the NES staff) have recommended for some time that screening questions be introduced, so that interviewers would automatically skip all questions about congressional candidates for individuals who fail some minimal standard for candidate visibility. The question of potential comparability between telephone surveys and the traditional NES procedure rests fundamentally on the way in which the Board resolves this question.

In 1982 two different methods were used to identify congressional districts and to select the subsample of respondents for whom detailed congressional questions were asked, and these two methods are directly linked to the two alternative answers to the above general question. In the random half of the telephone (CATI) sample administered by Michigan's Survey Research Center, respondents were "attributed" to a congressional district when the names recalled implied one and only one of the districts possible for that telephone number. At the other extreme, respondents who failed to recognize

any of the major party candidates in any of the congressional districts to which their telephone cluster might belong were not asked any of the congressional questions. When the respondent failed the recall test, but gave signs of candidate recognition for one of the congressional districts -- but no such recognition in the other possible districts -- that respondent was automatically "attributed" to the district in which recognition took place and the detailed congressional questions were administered in terms of the candidates in that district. In the approach used at Michigan, only those respondents who had failed the recall test but recognized candidates in more than one district were then explicitly asked to choose between the two or three districts that might be involved. Out of 468 interviews for which the essential information, is currently available, this first (Michigan) method produced a national sample in which 77 respondents (or 16%) were asked no congressional questions because they failed to recognize any of the potential candidates involved. And an additional 7 respondents (or 1%) were not asked the congressional questions because they recognized candidates in different districts, and were unable to resolve the conflict in response to a direct question.

In contrast, respondents interviewed by Berkeley CSM's staff were asked the congressional questions even if they failed to recognize any of the congressional candidates involved if they lived in single district clusters. In multi-district clusters, except in those cases where the respondent was able to select a district through unaided recall, all respondents with telephone numbers for which there was some prior ambiguity about the correct congressional district were asked to make an explicit choice between the multiple districts involved. Thus, "recognition" information was not used to attribute each respondent to a congressional district. As a result of this procedure, out of a total of 443 interviews for which the appropriate information is currently available, no respondents were "skipped" for the congressional questions because of a failure in recognition, but 66 respondents (or 14%) were not asked the congressional questions because they were unable to select their congressional district in a direct choice between the possible alternatives. The two methods were also different in the accuracy of the congressional districts assigned to respondents on the basis of their answers to questions. As the following table shows, the method used for Berkeley's half sample permitted a larger proportion of the sample to be asked the congressional questions, and that a higher proportion of the attributions proved ultimately to be accurate. But nearly all of the "gain" in the Berkeley sample (both in the number of respondents asked congressional questions and the accuracy of congressional district attribution) was concentrated in those respondents that were unable to recognize any of the candidates involved. Therefore, if the Board subsequently decides to systematically skip all congressional questions for respondents who are ill-informed about the candidates in their district, the method of "attribution through recognition" used in the ISR half of the 1982 study would be superior.

VERIFICATION AND ASSIGNMENT OF CONGRESSIONAL DISTRICTS
Alternative CATI-Based Procedures

	True CD Equals Assigned CD	True CD Does Not Equal Assigned CD	Never Assigned	DC+MD
ISR Method (N=484)	69% (335)	13% (65)	17% (84)	(16)
CSM Method (N=461)	76% (352)	9% (43)	14% (66)	- (18)

In general, it seems clear that the losses or errors in both 1982 methods are heavily concentrated among those respondents who have very little to say when asked the detailed congressional questions. The random assignment of respondents to two different methods of congressional district classification in 1982 does permit us to assess the kind of information lost (or gained) when one method of district attribution is chosen instead of the other. For example, we believe that the Berkeley respondents who were not asked congressional questions because they could not explicitly choose their district had (on the average) very little to say about the candidates involved, so that we expect that the two samples will be nearly identical in the overall "amount" of information collected in response to the open-ended questions about the congressional candidates. And Berkeley results should make it clear that those respondents who were asked congressional questions (even though they failed to recognize any of the candidates involved) had very little to say in response to those questions -- or that the method used at ISR lost very little information by skipping all congressional questions for such respondents.

Differences Between survey Organizations and CATI Systems. Although the questions used in the two CATI-based segments of the 1982 Method Comparison Project were identical, there are differences between the two CATI systems and survey organizations involved. Although the senior staff from both organizations in the 1982 project did not expect any significant differences between results in the Berkeley and Michigan samples, one of the study's major objectives was to test the validity of that expectation. For this reason, all of the comparisons discussed above between traditional and telephone methods have been calculated for the ISR and Berkeley halves of the CATI sample. As before, because so many potential differences were being "tested", only a random half of the two CATI half samples was used for these large scale (and exploratory) comparisons.

In summary, out of 125 potential relationships between specific variables and the "house" or system which collected the data, only 19 differences appear to be significant at the .05 level. These differences, which are not large in substantive terms, involve variables as diverse as length of residence (at both the current address and city), turnout, and the frequency of "don't know" responses to attitude questions. A cursory examination of the content of these variables also suggests a slight difference in socio-economic status and attitudes towards the Reagan administration, but these differences fail to pass a test of significance which takes into account the very large number of tests involved.

Based on our results so far, it seems likely that the two CATI systems and the basic procedures used by the two survey organizations are sufficiently similar to produce national samples which are fairly difficult to distinguish. To some extent, this similarity in results may be due to the standardization in interviewer behavior imposed by the CATI systems and the detailed instrumentation used for the 1982 project. But the two organizations also share a great deal in their approach to interviewer recruitment, training, and supervision. Whatever the cause, however, the new survey technology and methodology can apparently be used to produce similar results in separate organizational settings, despite modest differences between the survey organizations and CATI systems involved.

In a subsequent version of this report, we will present the detailed results of these comparisons between CATI organizations. That presentation will also review the specific areas in which survey practices were known to differ between organizations. As background for that discussion, however, it may be helpful to summarize the major differences between the two organizations and

CATI systems involved. The Michigan Survey Research Center (SRC) has maintained a telephone survey facility and professional staff for several years, but the CATI system used by SRC only recently became available for production utilization. In contrast, the Berkeley Program in Computer-Assisted Survey Methods (CSM) is a research and development group devoted to the creation of new systems and techniques, and does not maintain a production survey capability. The Berkeley system is now in use in several other survey organizations around the country, but the CSM unit maintains staff expertise at only the senior level. As a result, Berkeley's interviewers, supervisors, and coders were recruited specially for the 1982 project, while Michigan's effort relied on a continuing professional staff for these services. These differences should be kept in mind in reviewing both the general similarity and modest differences between the "houses" involved in 1982. And these same organizational differences should be helpful in drawing conclusions from 1982 concerning the probable costs and the staffing requirements for future NES CATI utilization.

Costs and Staffing for Traditional vs. Telephone Methods. Projections for future studies concerning the comparative costs for traditional- and telephone-based methods are still problematic in several respects. But the budgets and cost information from the 1982 project, coupled with revised cost estimates for the future, do support some conclusions about the tradeoffs in cost or sample size associated with the two alternative techniques. Thus, after appropriate adjustments have been made for both 1982 cost overruns and future cost reductions based on the lessons and instrumentation from 1982, we believe that the 1982 study will confirm that telephone-based methods can produce more than two (and less than three) times as many interviews (lasting an average of 50 minutes) as can be collected using traditional household sampling and face-to-face interviewing. This ratio of cost and/or sample size could become larger (surpassing three to one) if comparatively short interviews were conducted with those citizens who did not vote in the most recent election. But future planning activities would appear to be on safe ground if they operated within the above range of possibilities.

Even these approximate answers are of course based on a number of operating assumptions and ambiguities, each of which deserve emphasis. In particular, the above estimates are based on the following assumptions

(a) Both techniques are used to collect fresh (i.e. no reinterview) random adult cross-sections of the nation's eligible electorate, with a sample size between 1500 and 2500. (Smaller studies will drive up the cost per case somewhat differentially between the two methods, but the 1982 experience makes it difficult to assess the comparative startup costs associated with relatively small projects, due to ambiguities in the division, of labor between the NES study staff and the survey organizations involved)

(b) The above estimates assume that the basic instrument design (including both the analysis-ready codebook and instructions for coding open-ended questions as well as the interviewer's instrument) are developed by the study staff or on a separate budget, so that the above estimates reflect only "production" costs associated with sampling, field, coding, and direct data entry

(c) None of the figures which have gone into the above comparisons incorporate any institutional overhead or indirect costs.

(d) No attempt has been made to explicitly adjust for the loss in data associated with the shorter length of telephone interviews (e.g. from 70 to 50 minutes).

This last point deserves special emphasis. Although it might be said that telephone interviews "produce" 5/7ths as much information as the single traditional interview, we have not used that fraction to compare the costs per interview or interview equivalent. In many contexts, we suspect that the maximum sample size which can be produced is the more important figure for planning purposes, but it should be noted that the telephone survey will continue to require some sacrifice in the number of questions which can be asked. In this connection, it also seems appropriate to point out that no attempt was made in 1982 to administer a telephone interview which exceeds an average length of 50-55 minutes. Just as the results of 1981 and 1982 CATI surveys have given support to the idea that telephone studies can approach one hour in length, subsequent pilot studies should explore the possibility of even longer interviews, on at least a subsample basis, so that future NES analysts may gain the maximum benefit from each completed interview.

The Impact of CATI. As discussed at the beginning of this report, the 1982 Method Comparison Project was structured in a way which would permit the Election Studies to assess the potential utility of CATI systems as well as telephone-based sampling and interviewing. Thus, the final 1982 data tape will contain cases that were produced by three different systems for the entry, management, and cleaning of survey information. The face-to-face interviews were of course first collected in the traditional paper and pencil form, and then converted to numeric form and cleaned using the Institute's system for direct data entry.

In contrast, the data records from Michigan's telephone sample were created in machine readable form by interviewers using ISR's CATI system, and then converted to use the same procedures used for cleaning and coding the face-to-face interviews. At Berkeley, the (CSM) CATI system was used for all interviewing and coding-cleaning functions, but a special (post-CATI) program was written to convert the resulting data records to precisely match the ISR data and codebook.

These three approaches to survey data processing are different from each other in several respects, so that the 1982 study required a major investment of staff time in both organizations to insure comparability between techniques -- and to produce a final codebook which documents the complexities in this multi-method data set. This experience has been extremely instructive in its own right, for it illustrates both the strength and irritations associated with alternative strategies for computer-assisted data collection. During this process, those responsible for the systems involved have obtained new insights concerning ways to savetime or improve data quality on complex projects. And the Election Studies staff have gained a much deeper understanding of the issues at stake in long term planning for computer-based survey data collection and documentation.

The detailed CATI "lessons" from the 1982 project, and the different experiences of the two organizations involved will be discussed in a subsequent report. But it is clear that the decision to use CATI, and to simultaneously test two different CATI systems imposed a major additional burden on the staffs and budget for the 1982 project. At this point, it is not yet clear how much of this effort and cost represents an investment in future cost reduction -- and how much must be repeated for each study.

NES decisions with respect to CATI utilization may therefore vary considerably in future studies -- as a function of cost and design requirements. For the design elements proposed for 1984, the NES Board has decided to defer decisions concerning CATI until later in 1983, but all parties concerned are agreed that decisions in this area should be based on the degree to which measurement objectives require CATI-type capability, on the degree to which

CATI offers a clear advantage in the overall cost of data collection, and on the impact of CATI on senior technical staff.

The general implications of the new survey technology for survey organization and staffing have been evident for some time. But the NES 1982 project has provided a powerful independent demonstration of the need for addition"] development and testing of phases, as well as advance planning required calls for a substantial increase in the permanent (senior) technical staff assigned to direct the studies. The two CATI systems used in the 1982 Method Comparison Project were designed in such a way as to save time and costs in the later stages of survey data preparation. But the 1982 project has shown that this expectation will only be realized if sufficient staff expertise and time are available for instrument development at the Front end" of the process, and if study budgets reflect the complexities associated with the coding of open ended NES Questions and the reformatting of data and documentation for ICPSR distribution.

The NES Board has proposed that future Election Studies include a variety of separate (or independently executed) data collection operations -- each of which would require substantial advance planning for full CATI utilization. The full implications of such a change for the permanent staff of the National Election Studies are just now becoming visible, and we urge the staff to proceed carefully, in order to maximize the integrity of each data collection involved while making an orderly transition to the new technology. In general, we recommend that future studies use CATI-type systems only if (or when) they meet the following guidelines:

1. CATI should only be used when the system and instrumentation involved have reached a level of technical stability that reduces the overall costs or provides a demonstrable enhancement in the overall quality of the resulting data; or
2. When the complexity of instrumentation is such that computer-assisted techniques are essential in order to satisfy the research objectives involved; and
3. The extra investment in advance planning and instrument development required for CATI studies should not be undertaken without the prior recruitment and training of additional senior staff with the appropriate substantive and technical expertise.

GENERAL CONCLUSIONS MID RECOMMENDATIONS

The results of the 1982 Method Comparison Study suggest that telephone-based methods are feasible and cost-effective for NES. Given our current estimates of comparative costs for future studies, it is clear that the newer survey methods are generally appropriate for those NES research objectives which could only be accomplished with telephone surveys, and that telephone-based methods can also serve as a valuable complement to household sampling and face-to-face interviewing for the NES time series.

This last point deserves special emphasis, for the Board is considering a dual-frame design for the traditional (Fall) surveys which extend the NES time series. In such a plan, both traditional and telephone-based methods would be employed simultaneously to collect two independent (but complementary) national cross-sections. The resulting telephone interviews would be collected at lower cost and would be used to enlarge the overall sample size for those analyses which require more cases or better coverage of specialized subpopulations. And each sample would serve to correct for known weaknesses in the other, based on the differences better, methods in both coverage and

response rates. As a result, the combined national sample would provide a better description of the potential electorate than has heretofore been possible. At the same time, however, time series analyses be restricted to the personal interview-only component, in to avoid confusing true differences with method effects interpretation of aggregate change over time.

Continuing Methodological And Technical Issues. These general conclusions are already reflected in the Board's long term proposals for data collection although the dual frame design is not currently scheduled for use in 1984. But it is increasingly clear that NES has only begun what must become a continuing program of method-related research, for the cost and data quality tradeoffs associated with newer survey technology continue to change at a very rapid pace. In particular, NES staff and Board members will be engaged in continuing analyses of the 1982 study, with special emphasis on its internal experiments with respect to measurement, congressional district identification, and CATI effectiveness. And any use of a dual frame design for the traditional (or time series) component of subsequent studies will make it possible for NES to replicate basic results from the 1982 study -- and thereby monitor changed in the cost and data quality tradeoffs associated with telephone-based methods. We therefore urge the Board to allocate resources for G continuing evaluation of method differences in sample or measurement quality, and of the cost- and staff-related tradeoffs associated with computer-based techniques.

In summary, the 1982 Method Comparison Project has made it possible for NES to take a major step forward in utilizing new survey techniques to maximize the efficiency of data collection, while maintaining the maximum possible comparability with the NES time series. If appropriate attention is given to the complications posed by using two parallel systems for data collection, future studies should be able to substantially enlarge the set of research objectives that can be accommodated.

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