I'm calling from Peter D. Hart Research, the national public opinion polling firm. We are conducting a national survey, and I'd really appreciate the chance to get your opinions on a few questions. Your number was selected at random, and in this household, I am supposed to speak with the youngest (man/woman) age 18 or over who is at home now. This is a public opinion survey, and you will not be sold anything.

(IF RESPONDENT MENTIONS THE "DO NOT CALL" LIST, SAY:) The Do Not Call List does not apply to survey research. While we certainly respect your right NOT to participate, I assure you that this interview is being conducted for research purposes only, and we hope that you will take advantage of this opportunity to express your opinions. We guarantee that your individual responses will be kept completely confidential, and that no one will try to sell you anything as a result of your participation.

anything	g as a result of your participation.	
Gender	(DO NOT ASK.) Record respondent's gender.	
	Male	1
	Female	
Q1	Do you or does anyone in your household work in market or or or media, including radio, television, print, or on-line publication	
	Yes	1 TERMINATE
	No	
	Not sure/Refused	3 TERMINATE
Q2	For statistical purposes only, would you please tell me how would you tell me which age group you belong to? (READ LIST	
	18-24	1
	25-29	
	30-34	
	35-39	
	40-44	
	45-49	
	50-54	
	55-59	
	60-64	
	65-69	
	70-74	
	75 and over	
	Not sure/refused	3
Q3a	And again, for statistical purposes only, are you from a Hispan	ic or Spanish-speaking background?
	Yes, Hispanic	1
	No, not Hispanic	2
	Not sure/refused	3
Q3b	And again, for statistical purposes only, what is your racewhit	te, black, Asian, or something else?
	White	1
	Black	2
	Asian	3
	Other	
	Hispanic (VOL)	5
	Not sure/refused	

Q4	Compared with what you hoped the quality of your life would be like at this stage, how satisfied would you say you are with your life right nowextremely satisfied, pretty satisfied, just somewhat satisfied, or dissatisfied? (2910 - Q1a June 1989; 6416b - Q1 December 2001)
	Extremely satisfied1
	Pretty satisfied
	Just somewhat satisfied
	Dissatisfied4
	Not sure5
05	In the twentieth century. America was marked by a conide entit of entimism. Leaking ahead to the new
Q5	In the twentieth century, America was marked by a can-do spirit of optimism. Looking ahead to the nex hundred years, do you think that this spirit of optimism will increase, stay about the same, or will decrease? (6000 Q20b - September 1999)
	Spirit will increase1
	Spirit will stay the same
	Spirit will decrease
	Not sure4
Q6a	Next I'd like to list several professions and ask you to tell me which one or two you feel receive too much attention and credit for contributing to Americans' well-being. (READ LIST. ACCEPT UP TO TWO RESPONSES. IF MORE THAN TWO, ASK:) Well, if you had to choose just two, which two do you feel get too much attention and credit?
	Business and finance1
	Law and the legal field2
	Medicine and health care3
	Science and engineering4
	Teaching and education5
	Manufacturing6
	Entertainment7
	Other (VOL)8
	All (VOL)9
	None (VOL)0
	Not sure1
Q6b	And which one or two of these do you feel receive too little attention and credit for contributing to Americans well-being. (READ LIST. ACCEPT UP TO TWO RESPONSES. IF MORE THAN TWO, ASK:) Well, if you had to choose just two, which two do you feel get too little attention and credit?
	Business and finance1
	Law and the legal field2
	Medicine and health care3
	Science and engineering4
	Teaching and education5
	Manufacturing6
	Entertainment
	Other (VOL)8
	All (VOL)9 None (VOL)0
	Not sure1
	110: 00:0

(ASK	EVERY	ONE.
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Q7a	Thinking about the major technological advancements of the twentieth century, such as the development of
	automobiles and airplanes, radio and television, spacecraft, and computers and the Internet, which of the
	following countries or regions would you say was the leader? (READ LIST. ACCEPT ONLY ONE
	RESPONSE. IF MORE THAN ONE, ASK:) Well, if you had to choose just one, which one country or region
	would you say was the leader in terms of the technological advancements of the twentieth century?

The United States1	
Europe2	
Russia	6
China4	+
Japan5	j
India6	ò
Other (VOL)7	,
All (VOL)8	
None (VOL)9	,
Not sure0	

Q7b Now looking ahead to the twenty-first century, do you think that the technological advancements will be greater, equal, or less than those of the twentieth century?

Advancements will be greater	.1
Advancements will be equal	.2
Advancements will be less	.3
Not sure	.4

Q7c Thinking about the major technological challenges of the twenty-first century, ranging from energy to telecommunications, to medicines, which of the following countries or regions would you say is the most likely to be the leader? (READ LIST. ACCEPT ONLY ONE RESPONSE. IF MORE THAN ONE, ASK:) Well, if you had to choose just one, which one country or region would you say is most likely to be the leader in terms of the technological advancements in the twenty-first century?

The United States	1
Europe	2
Russia	
China	
Japan	5
India	6
Other (VOL)	7
All (VOL)	
None (VOL)	
Not sure	

Q8a Would you say that the United States' ability to compete technologically has gotten better, has stayed about the same, or has gotten worse over the past generation?

Gotten better1	(Skip to Q9)
Stayed about the same	(Skip to Q9)
Gotten worse3	, , ,
Not sure4	(Skip to Q9)

(ASK ONLY OF RESPONDENTS WHO SAY "GOTTEN WORSE" IN Q8a.)

Q8b What would you say is the cause or source of the decline in America's ability to compete technologically with other countries?

(PROBE:) How or why has America fallen behind other countries when it comes to competing technologically?

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(ASK O Q8c	NLY OF RESPONDENTS WHO SAY "GOTTEN WORSE" IN Q8a.) Do you feel that the decline in America's ability to compete technologically wit or long term?	h other countri	es is temporary
	Decline is temporary	1	
	Decline is long term		
	Not sure	3	
(READ Now I'd	TO EVERYONE.) like to focus on engineers and the field of engineering.		
Q9	Give yourself a letter gradeA, B, C, D, or Ffor how much you know about engineers and what they do.	t and understa	nd the world of
	A	1	
	В		
	C		
	F		
	Not sure		
Q10a	When it comes to young people today selecting a profession or career, do winning or losing to other professions, such as medicine, business, and law?	you feel that	engineering is
	Engineering is winning	1	
	Engineering is losing		(Skip to Q10c)
	Neither winning nor losing (VOL)		(Skip to Q11a) (Skip to Q11a)
	Not suite		(Skip to Q i ia)
(ASK O Q10b	NLY OF RESPONDENTS WHO SAY WINNING IN Q10a.) Why is engineering winning over medicine, business, and law?		
	(PROBE:) What makes engineering a more attractive profession for young peo	pple today?	
(ASK O Q10c	NLY OF RESPONDENTS WHO SAY LOSING IN Q10a.) Why is engineering losing over medicine, business, and law?		
	(PROBE:) What makes engineering a less attractive profession for young peop	ole today?	
(ASK E\ Q11a	VERYONE.) Compared with the issues and problems that professionals in the fields of med with, do you feel that the issues and problems that engineers deal with are mor less interesting and important?		
	More interesting and important	1	
	Less interesting and important		
	The same (VOL)		(Skip to Q12)
	Not sure	4	(Skip to Q12)
(ASK O Q11b	NLY OF RESPONDENTS WHO SAY MORE/LESS INTERESTING IN Q11a.) Is that much (more/less) interesting and important or only somewhat (more/less	s) interesting a	nd important?
	Much	1	
	Only somewhat		
	Not sure		

(ASK	EVE	ERYC	DNE.
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The National Academy of Engineering has identified several engineering challenges that it believes will be key to our advancement in the twenty-first century. I'm going to describe some of these and ask you to tell me how much of a priority you feel each one should be for our nation going forward--an absolute top priority, a high but not top priority, a medium priority, or a lower priority.

Developing economical and environmentally friendly power sources

Finding ways to provide clean water around the world.

Developing medicines to fight new and more virulent disease-causing agents.

Restoring and improving deteriorating urban infrastructures.

Securing cyberspace against viruses, identity theft, or other attacks.

An absolute top priority	1
A high but not top priority	2
A medium priority	
A lower priority	4
Not sure	

Q13 Next I'm going to list these same engineering challenges again and ask you to tell me which one or two you feel are the most important to pursue. (READ LIST. ACCEPT UP TO TWO RESPONSES. IF MORE THAN TWO, ASK): Well, if you had to choose just two, which two do you feel are the most important?

Finding ways to provide clean water around the world	Developing economical and environmentally friendly power sources.	1
disease-causing agents	Finding ways to provide clean water around the world	2
Restoring and improving deteriorating urban infrastructures	Developing medicines to fight new and more virulent	
Securing cyberspace against viruses, identity theft, or other attacks5 All (VOL)6 None/other (VOL)	disease-causing agents.	3
All (VOL)	Restoring and improving deteriorating urban infrastructures	4
None/other (VOL)7	Securing cyberspace against viruses, identity theft, or other attacks	5
None/other (VOL)7	All (VOL)	6

Q14a Having heard these descriptions of different engineering challenges, compared with the issues and problems that professionals in the fields of medicine, business, and law deal with, do you feel that the issues and problems engineers deal with are more interesting and important, or less interesting and important?

More interesting and important1	
Less interesting and important2	
The same (VOL)3	(Skip to Q15
Not sure4	(Skip to Q15

January	2003			Duke Engineering ourvey
(ASK O Q14b		NDENTS WHO SAY MORE/LESS ore/less) interesting and importar		
	Only so	omewhat		2
(ASK F)	VERYONE.)			
Q15	Compared with	the United States, do you feel th ting the types of engineering cha		
	China			
	The Eu	ropean Union.		
	India.			
	Japan.			
	Russia			
	Better a Just as Less al	able to succeedble		2 3
Q16	competitiveness	e end of the survey, here are in the areas of engineering and lp a lot, would help some, would	technology. For each one, ple	ease tell me whether you feel
		se the regular school year by one e education	month so American students	can get more math and
		ne government devote more tax fally in the physical sciences and o		opment in basic research,
		tax breaks to businesses to enco		esearch and development,
		e more training and retraining for f the future.	workers to help them keep up	with new technology and the
	Increas gradua	se the standards for teachers and tion.	students in public schools, ind	cluding higher standards for
	Target	tax breaks to encourage investm	ent in key industries.	
	Upgrad	de K-through-twelve math and sci	ience teaching to foster higher	student achievement.
	brighte	n visa and immigration policies to st science, technology, math, and sed degrees and stay to work in the	d engineering students from ar	
	Would	help a lothelp somenot really help		2

Would go too far/step in the wrong direction4

Not sure5

FACTUALS: Now I am going to ask you a few questions for statistical purposes only. QF1 What is the last grade that you completed in school? (DO NOT READ CHOICES.) Grade school1 Some high school2 High school graduate3 Some college, no degree4 Vocational training/2-year college5 4-year college/bachelor's degree6 Some postgraduate work, no degree7 2 or 3 years' postgraduate work/master's degree8 Doctoral/law degree9 Not sure/refused0 QF2 Do you have any children eighteen years old or under living at home with you? Yes, have children at home1 No, do not have children at home2 Not sure/refused3 Are you registered to vote, or have you not had a chance to register? QF3a Registered1 Not registered2 Not sure3 QF3b Generally speaking, do you think of yourself as (ROTATE:) a Democrat, a Republican, an independent, or something else? (IF "DEMOCRAT" OR "REPUBLICAN." ASK:) Would you call yourself a strong (Democrat/Republican) or not a very strong (Democrat/Republican)? (IF "NOT SURE," CODE AS "NOT VERY STRONG DEMOCRAT/REPUBLICAN.") (IF "INDEPENDENT," ASK:) Do you think of yourself as closer to the Republican Party, closer to the Democratic Party, or do you think of yourself as strictly independent? (IF "NOT SURE," CODE AS "STRICTLY INDEPENDENT.") Strong Democrat1 Not very strong Democrat2 Independent/lean Democrat3 Strictly independent4 Independent/lean Republican5 Not very strong Republican6 Strong Republican7

.....

Don't KnowY

And finally, may I please have your ZIP Code?

Numeric Range

Permitted Range 1000 TO 99999

QF4

SP	Sample Point (from call sheet)			
Permitte 1 TO 99		Numeric Range	••	
area Record AREA from call sheet.				
		1New England	1	
		2Mid-Atlantic		
		3WV, MD, DE, DC		
		4South Atlantic minus Area 3		
		5East South Central		
		6West South Central minus AR		
		7Arkansas		
		8East North Central		
		9West North Central		
		10Mountain	0	
		11Pacific	1	
		Blank	2	
type	Record	TYPE from call sheet.		
		1Large Cities	1	
		2Suburbs of Large Cities	2	
		3Medium Cities		
		4Suburbs of Medium Cities		
		5Small Cities		
		6Suburbs of Small Cities		
		7Towns		
		8Villages		
		9Rural		
		Blank	U	
State	STATE ((from call sheet)		
		Alabama	1	
		Alaska		
		Arizona		
		Arkansas		
		California		
		00,0100	6	
		Connecticut Delaware		
		Florida		
		Georgia		
		Hawaii		
		Idaho		
		Illinois		
		Indiana		
		lowa		
		Kansas		
		Kentucky		
		Louisiana		
		Maine		
		Maryland		
		Massachusetts		
		Michigan		
		Minnesota		
		Mississippi	4	

Termination with data (Quit)

		Montana	6
		Nebraska	7
		Nevada	8
		New Hampshire	
		New Jersey	0
		New Mexico	1
		New York	2
		North Carolina	3
		North Dakota	4
		Ohio	5
		Oklahoma	6
		Oregon	7
		Pennsylvania	
		Rhode Island	
		South Carolina	
		South Dakota	
		Tennessee	
		Texas	
		Utah	
		Vermont	
		Virginia	
		Washington	
		Washington DC	
		West Virginia	
		Wisconsin	
		Wyoming	
		Blank	
AC	Record I	Respondent's Area Code	
			٠.
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D :44 -	d D	Numeric Range	
	d Range	2000	
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Termin			
161111111			
Those a	re all the	questions I have for you. Thank you for your time and cooperation.	