

APPENDIX A

National Research Center for Science and Technology for Development,
the State Science and Technology Commission of China &
China Society for Research on Economic System Reform,
Research Division

October 1994

Environmental Awareness of the Chinese People

Questionnaire

To be filled in by interviewer:

Municipality_____

103□

District_____

104□□

Street (town)_____

105□□

Neighborhood committee (village)_____

106□□□

Survey form no._____

107□□□□

*Interviewer's name_____

*Date and time questionnaire completed_____

Greetings, everyone.

Thank you for your cooperation in this questionnaire survey on environmental awareness conducted by the State Science Commission Research Center and the Research Division of the China Society for Research on Economic System Reform.

The purpose of this survey is to investigate the current state of our country's environment and people's views on environmental problems, and to put this information to work in the future service of the state's science and technology policy on the environment. There are no "correct" or "incorrect" answers to any question. We ask that you write in your actual situation and your real thinking on these questions.

Thank you for your kind cooperation.

National Research Center for Science and Technology for Development,
the State Science and Technology Commission of China
& China Society for Research on Economic System Reform,
Research Division

October 1994

Directions:

1. Other than when specifically directed, choose one item for each question and put a check mark in the box after the choice.
2. If your opinion does not appear among the choices, write it in.
3. The Arabic numerals and squares along the right side of each page are for machine analysis. You need not fill them in.
4. Ask the interviewer about anything on the questionnaire that is not clear.

1. Where were you born?

- 1) The district where I now live.
- 2) In this city (but a different district).
- 3) In this city (county).
- 4) Another province/city/autonomous region.
- 5) Another country.
- 6) Other (specify) _____ 1

2. Have you ever lived at least one year in a different region outside this city?

- 1) Yes.
- 2) No.
- 3) Other (specify) _____ 2

3. Approximately how many years have you lived in your present district (write the total time if you have lived there more than once at different times)?

(Specify) _____ years. 3

4. In mainly what kind of places did you live until the age of 15 (use the administrative classification of that time)?

- 1) Village
- 2) Township
- 3) County seat
- 4) City
- 5) Other (specify) _____ 4

5. In mainly what kind of places did you live after the age of 15 (use the administrative classification of the time)?

- 1) Village
- 2) Township
- 3) County seat
- 4) City
- 5) Other (specify) _____ 5

6. What is the main reason for your taking up residence here? Please choose one answer only.

- 1) I have lived here since birth.
- 2) Marriage.
- 3) Work unit housing assignment.
- 4) To live with relatives.
- 5) To live with a friend.

- 6) Schooling.
- 7) Found a job here.
- 8) Job transfer.
- 9) Changed job.
- 10) Retirement.
- 11) Came to find work.
- 12) Was transferred to a lower level as part of being "sent down".
- 13) Was transferred to the countryside or mountain areas as part of going "up to the mountains and down to the countryside".
- 14) Returned here from either 12 or 13.
- 15) Joined the military.
- 16) Was demobilized from the military.
- 17) Other (specify) _____ 6

7. A. Do you want to live here permanently?

- 1) Yes.
- 2) I would like to move to another place if it were better.
- 3) I would definitely like to go somewhere else. 7

B. What is the major reason for your answer to Q7A (one answer only)?

- 1) The natural environment
- 2) Transportation
- 3) Educational environment
- 4) Quality of consumer lifestyle
- 5) Housing
- 6) Work
- 7) Commuting
- 8) Neighborhood relationships
- 9) Relationships with family and relatives
- 10) Peace and security of local society
- 11) Public morals
- 12) Other (specify) _____ 8

8. What do you think about the current state of the living environment in the area where you live?

(Check one box for each category.)

- 1 Excellent
- 2 Good
- 3 Fair
- 4 Poor

| | 1 | 2 | 3 | 4 | |
|------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| a Sanitation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9 <input type="checkbox"/> |
| b Shopping convenience | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10 <input type="checkbox"/> |
| c Transportation convenience | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 11 <input type="checkbox"/> |
| d Medical care | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 12 <input type="checkbox"/> |
| e Education | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13 <input type="checkbox"/> |
| f Entertainment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 14 <input type="checkbox"/> |
| g Natural environment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15 <input type="checkbox"/> |
| h Neighborhood relationships | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 16 <input type="checkbox"/> |
| i Public peace and security | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 17 <input type="checkbox"/> |
| j Public morals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 18 <input type="checkbox"/> |

9. How has your daily life changed during the past five years or so? (Check one box for each category.)

- 1 Improved
- 2 Slightly improved
- 3 No change
- 4 Slightly worsened
- 5 Worsened

| | 1 | 2 | 3 | 4 | |
|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| a Consumption | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 19 <input type="checkbox"/> |
| b Housing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 20 <input type="checkbox"/> |
| c Living environment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 21 <input type="checkbox"/> |

10. If you divided this city's residents into four groups, where would you classify yourself?

- 1) Upper
 - 2) Upper middle
 - 3) Lower middle
 - 4) Lower
- 22

11.

A. Do you feel attached to the place where you now live?

- 1) Yes.
 2) Somewhat.
 3) No.
 4) Indifferent. 23

B. Do you feel attached to the city where you now live?

- 1) Yes.
 2) Somewhat.
 3) No.
 4) Indifferent. 24

12. Overall, how do you feel about the current state of Chinese society?

- 1) I am satisfied.
 2) Somewhat satisfied.
 3) Somewhat dissatisfied.
 4) Dissatisfied. 25

13. Indicate whether you agree with the following opinions concerning the current state of society?

(Check one box for each item.)

- 1 Strongly agree.
 2 Agree slightly.
 3 Disagree slightly.
 4 Strongly disagree.

- | | 1 | 2 | 3 | 4 | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| a Many things are determined by social standing. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 26 <input type="checkbox"/> |
| b What is right all too often fails to be realized. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 27 <input type="checkbox"/> |
| c Serious people don't get what they deserve. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 28 <input type="checkbox"/> |
| d There's too large a gap between rich and poor. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 29 <input type="checkbox"/> |
| e Neighborhood relationships are being lost. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 30 <input type="checkbox"/> |
| f Public peace and security are poor. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 31 <input type="checkbox"/> |
| g Public morals have degenerated. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 32 <input type="checkbox"/> |
| h Environmental pollution is serious. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 33 <input type="checkbox"/> |

14.

A. To what extent do you think pollution affects your health?

- 1) Greatly.
 2) Considerably.
 3) Not much.
 4) Not at all. 34

B. How much do you think pollution will affect the health of your children and grandchildren?

- 1) Greatly.
 2) Considerably.
 3) Not much.
 4) Not at all. 35

15. How serious do you think the following environmental problems are? (Check one box for each item.)

- | | 1 | 2 | 3 | 4 | 5 | |
|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| 1 Very serious. | | | | | | |
| 2 Fairly serious. | | | | | | |
| 3 Not very serious. | | | | | | |
| 4 Not serious at all. | | | | | | |
| 5 Unsure. | | | | | | |
| a Air pollution | <input type="checkbox"/> | 36 <input type="checkbox"/> |
| b Sand blown in wind | <input type="checkbox"/> | 37 <input type="checkbox"/> |
| c River pollution | <input type="checkbox"/> | 38 <input type="checkbox"/> |
| d Worsening quality of drinking water | <input type="checkbox"/> | 39 <input type="checkbox"/> |
| e Insufficient greenery | <input type="checkbox"/> | 40 <input type="checkbox"/> |
| f Noise and vibration | <input type="checkbox"/> | 41 <input type="checkbox"/> |
| g Unpleasant odors | <input type="checkbox"/> | 42 <input type="checkbox"/> |
| h Worsening scenery | <input type="checkbox"/> | 43 <input type="checkbox"/> |
| i Deforestation | <input type="checkbox"/> | 44 <input type="checkbox"/> |
| j Agricultural chemical contamination | <input type="checkbox"/> | 45 <input type="checkbox"/> |

| | | | | | | | |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----|--------------------------|
| k Desertification | <input type="checkbox"/> | 46 | <input type="checkbox"/> |
| l Loss of wildlife species | <input type="checkbox"/> | 47 | <input type="checkbox"/> |
| m Global warming | <input type="checkbox"/> | 48 | <input type="checkbox"/> |

16 In general, do you think environmental problems such as the above can be improved?

- 1) Definitely.
 2) To an extent, yes.
 3) Not very much.
 4) Not at all. 49

17. To what extent do you think the following items are connected to our country's environmental problems? (Check the boxes that apply.)

- 1 Greatly.
 2 Somewhat.
 3 Not much.
 4 Not at all.
 5 Unsure.

| | 1 | 2 | 3 | 4 | 5 | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| a) Population | <input type="checkbox"/> | 50 <input type="checkbox"/> |
| b) The government's environmental protection policy | <input type="checkbox"/> | 51 <input type="checkbox"/> |
| c) Increasing consumption | <input type="checkbox"/> | 52 <input type="checkbox"/> |
| d) People's attitudes toward protecting the environment | <input type="checkbox"/> | 53 <input type="checkbox"/> |
| e) The production activities of businesses | <input type="checkbox"/> | 54 <input type="checkbox"/> |

18. Would you support a rise in manufacturing costs and commodity prices as a means to protect the environment?

- 1) I would agree.
 2) In some cases there's no alternative.
 3) I would be opposed. 55

19.

A. Which of the following opinions do you agree more closely with?

Opinion 1: In order to prevent pollution and environmental damage, there's no alternative other than to delay economic development.

Opinion 2: The pace of economic development should be sustained even if there is some pollution and environmental damage.

1) My opinion is closer to opinion 1.

2) My opinion is closer to opinion 2. 56□

B. With regard to the use of electric power, which of the following opinions do you agree more closely with?

Opinion 1: In order to protect the environment, there's no alternative other than to curb the use of electricity.

Opinion 2: Because electricity is essential to our everyday livelihoods, its use must not be limited.

1) My opinion is closer to opinion 1.

2) My opinion is closer to opinion 2. 57□

20. Please write the numbers of what you feel to be the first- and second-most important factors for improving environmental problems. (Write numbers of choices in blanks.)

- 1) Environmental laws
- 2) Business reform
- 3) Technological development
- 4) Environmental education
- 5) Community anti-pollution movements
- 6) Efforts by individuals
- 7) Other (specify) _____

First: _____ 58□

Second: _____ 59□

21.

A. To what extent can you trust the information provided by the following institutions or people with regard to the environment? (Check one box for each item.)

1) Very much.

2) To some extent.

3) Not very much.

4) Not at all.

| | 1 | 2 | 3 | 4 | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| a (1) Newspapers, TV, and other media | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 60 <input type="checkbox"/> |
| b (2) Central government | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 61 <input type="checkbox"/> |
| c (3) City governments | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 62 <input type="checkbox"/> |
| d (4) District governments, local branches of district offices, village governments | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 63 <input type="checkbox"/> |
| f (5) Neighborhood committees, village committees | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 64 <input type="checkbox"/> |
| g (6) Grass-roots organizations formed by pollution victims and citizens | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 65 <input type="checkbox"/> |
| h (7) Leaders of your work unit | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 66 <input type="checkbox"/> |
| i (8) Courts of law | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 67 <input type="checkbox"/> |
| j (9) Experts and university professors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 68 <input type="checkbox"/> |
| k(10) Family and friends | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 69 <input type="checkbox"/> |

B. If you were to become a pollution victim, which institutions or people listed above would be the most useful means of resolving the problem?

(Write the numbers of your first and second choices.)

First: _____ 70

Second: _____ 71

22.

A. Do you think the one-child policy is contributing to our country's modernization?

1) Yes, a great deal.

2) Somewhat.

3) Not very much.

4) No.

72

B. Do you think our country's one-child policy is contributing to preserving the global environment?

1) Yes, a great deal.

2) Somewhat.

3) Not very much.

4) No.

73

23. Please give us some information about yourself.

a Age: _____ (full number of years)

74

b Sex: M F

75

c Marital status: 1) Not yet married 2) Married 3) Other (specify) _____

76

d Number of people in your household (including yourself): _____

77

e Ethnic group: 1) Han 2) Other (specify) _____

78

f Education:

1) Nearly illiterate

2) Primary school

3) Middle school

4) High school

5) Professional school

6) University

7) Graduate school or above

8) Other (specify) _____

79

24.

A. Are there any children under age 12 in your household?

1) Yes.

2) No.

80

B. Are there any people over the age of 60 in your household?

1) Yes.

2) No.

81

25. Employment status

1) Employed.

2) Unemployed.

3) Student.

4) Houseworker.

5) Waiting to enter an education institution.

6) Retired.

7) Other (specify) _____

82□

26. Your occupation

- 1) Worker
- 2) Farmer
- 3) Military
- 4) Enterprise ordinary official
- 5) Enterprise leader
- 6) Party or government institution leader
- 7) University or graduate school student
- 8) College instructor
- 9) Primary or middle school teacher
- 10) Technical worker
- 11) Other specialist (cultural or public health service, etc.)
- 12) Retired
- 13) Self-employed
- 14) No steady job
- 15) Other, or impossible to classify (specify) _____

83□□

27. Nature of your work unit

- 1) Foreign-capital enterprise
- 2) Private enterprise
- 3) Collective enterprise
- 4) State enterprise
- 5) Educational, cultural, public health, or related institution
- 6) Party/government institution
- 7) Mass or social organization
- 8) Countryside
- 9) Military
- 10) Other (specify) _____

84□□

28.

A. Approximately how much was your total 1993 income?

(Specify) _____ yuan.

85□□□□□

B. If your family had three members consisting of a husband, wife, and a primary school child, about how much do you think your monthly expenditures are?

(Specify) _____ yuan.

86□□□□□

29. Housing situation**a) Ownership**

- 1) Public housing.
- 2) Privately owned.
- 3) Partly privately owned.
- 4) Other (specify) _____ 87

b) Tap water

- 1) Public tap outdoors.
- 2) Private tap outdoors.
- 3) Public tap indoors.
- 4) Private tap indoors.
- 5) Other (specify) _____ 88

c) Sewerage

- 1) Outdoor, public.
- 2) Disposed of outdoors.
- 3) Indoor, public.
- 4) Indoor, private.
- 5) Other (specify) _____ 89

d) Kitchen

- 1) Outdoor, public.
- 2) Outdoor, private.
- 3) Indoor, public.
- 4) Indoor, private.
- Other (specify) _____ 90

e) Toilet

- 1) Outdoor, public.
- 2) Outdoor, private.
- 3) Indoor, public.
- 4) Indoor, private.
- Other (specify) _____ 91

f) Type of toilet

- 1) Non-flush
- 2) Flush

3) Other (specify) _____ 92□

g) Heating facilities

- 1) Warm air
- 2) Coal
- 3) Electricity
- 4) No heating
- 5) Other (specify) _____ 93□

h) Water supply reliability

- 1) Excellent
- 2) Good
- 3) Fair
- 4) Poor 94□

i) Electricity supply reliability

- 1) Excellent
- 2) Good
- 3) Fair
- 4) Poor 95□

j) Sunlight

- 1) Excellent
- 2) Good
- 3) Fair
- 4) Poor 96□

k) Ventilation

- 1) Excellent
- 2) Good
- 3) Fair
- 4) Poor 97□

30.

A. Which of the following does your family possess?

- 1) Washing machine
- 2) Refrigerator
- 3) Television

- 4) Video recorder
- 5) Radio
- 6) Kitchen ventilation fan
- 7) Air conditioner
- 8) Automobile
- 9) Telephone
- 10) Bicycle

98

B. Which of these things do you think are most necessary for newlyweds? (Please specify four items beginning with the most important, and write their numbers in the blanks below.)

- 1) Washing machine
- 2) Refrigerator
- 3) Television
- 4) Video recorder
- 5) Radio
- 6) Kitchen ventilation fan
- 7) Air conditioner
- 8) Automobile
- 9) Telephone
- 10) Bicycle

First: _____

99

Second: _____

100

Third: _____

101

Fourth: _____

102

Thank you for your cooperation.