## General Social Survey

## PRELIMINARY DATA

## CYCLE 4: EDUCATION AND WORK



## Background

The General Social Survey was initiated by Statistics Canada in order to reduce gaps in the statistical information system, particularly in relation to socio-economic trends. Many of these gaps cannot be filled through existing data sources because of the range or periodicity of the information required. A similar demand for such data has brought about the introduction of general social surveys in many other countries including Australia, Japan, the Scandinavian nations and the United Kingdom.

The General Social Survey has two principal objectives: first, to gather data on trends in Canadian society over time, and second, to provide information on specific policy issues. To meet these objectives the content of GSS is made up of three components: Core, Classification and Focus.

Core content is intended to obtain information which monitors longterm social trends or measures temporal changes in society related to living conditions or well-being. Each cycle covers a specific Core content area, which will recur on a permanent basis.

Classification content consists of variables which provide the means of delineating population groups.

Focus content is aimed at meeting the second objective of GSS, namely to provide information touching directly on a specific policy issue or social problem. Focus content, in general, is not expected to be repeated on a permanent basis. Additionally, costs associated with Focus content are recovered from sponsors.

The General Social Survey is a continuing program with a single survey cycle each year. The current status of individual cycles is as follows:
cycle status

1

6

2

3

4

5

Preliminary data released in June 1986.
Public Use Microdata file available January 1987. Publication titled "Health and Social Support, 1985" was released in January 1988.

Preliminary data released for the language module in January 1989. Preliminary data released for the time use and social mobility modules in March 1989. Public Use Microdata file available December 1989.

Collected data January-March 1988 on personal risk arising from accidents and criminal victimizations. Preliminary data released in April 1989.

Collected data January-March 1989 on education and work. Preliminary data released in this report.

Data to be collected January-March 1990 on family and friends.

Content on health under development for start of data collection in January 1991.

## Cycle 4: Methodology

The sample for the fourth cycle was selected by random digit dialing and included persons aged 15 years and over distributed throughout the ten provinces of Canada. Exclusions comprised full time residents of institutions. Interviewers dialed each computer selected telephone number and completed a Selection control Form (GSS 4-1) for each one. When they contacted a private household, they enumerated all the members of the household on this form, and then randomly selected and interviewed one member aged 15 or older. Nine thousand three hundred and thirty-eight (9338) individuals were interviewed in this way and answered the Education and Work Questionnaire (GSS 4-2), yielding a response rate of approximately 80\%.

The GSS 4-2 collected the following types of information: the respondent's education background, both completed education and future plans; the respondent's work history, before and after their education and in 1984 and 1988; the respondent's opinions on science and technology and its affect on themselves. A copy of the questionnaire is included in the appendix.

## output

The attached tables present the first data to be released from Cycle 4. A public use microdata file will be available in the spring of 1990. Two publications presenting data primarily in the form of tables and charts, as well as initial analysis and findings, should be available in the winter of 1990 - 1991.

## contacts

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Selected findings related to education enrolment and future plans:

- In 1989, 3.3 million ( $16 \%$ ) Canadians age 15 and older reported working towards a diploma or degree. Of these, $40 \%$ were seeking a high school diploma, some $30 \%$ were studying for a university degree, about $15 \%$ were pursuing a diploma or certificate from a community college (including CEGEP's and nursing schools), and $11 \%$ were seeking diplomas from a trade, technical or vocational school or business college. Of the 3.3 million individuals enrolled in a diploma or degree program, $8 \%$ had not taken any courses in the 12 months prior to the survey (Tables 1A, 1B, 1C).
- In the 12 months before beginning their current educational diploma or degree program, more than two in three of this group had been students and $27 \%$ had been employed (Table 3).
- Close to one in four ( 4.9 million) adult Canadians intend to start an educational program in the next five years. An estimated 2.3 million (60\%) Canadians age 15 to 24 years and 2.2 million (25\%) age 25 to 44 years have further educational plans, while only 5\% of persons age 45 and older plan to pursue further studies. Almost one in four Canadians who reported employment as their main activity in 1988 were planning for further education (Table 2A).
- The main reasons given for future education plans were predominantly employment related: $29 \%$ to prepare for a first
career, $33 \%$ to improve their existing career, $10 \%$ to make a career change and $10 \%$ to improve their earnings. Only $15 \%$ stated that their main reason behind plans for further education was an interest in the subject (Table 2B).
- Females were slightly more likely than males to have plans for further education. Women were also more likely to be planning further education in order to get a first job, to change jobs or careers or because they were interested in the subject. Men, in contrast, were more likely than women to indicate increased earnings as a main reason for further education (Tables 2A, 2B).

Selected findings related to the use of computers:

- About 43\% (5.4 million) of persons employed at the time of the survey reported that their work had been somewhat or greatly affected by the introduction of computers or automated technology in the past five years. Two-thirds of those affected reported that the level of skills required to do their work had increased, $88 \%$ stated that their job security had stayed the same or increased and 61\% stated that their jobs had become more interesting as a result of this automation (Tables 5, 6).
- Among Canadians who were employed at the time of the survey, one-third ( 4.3 million) reported using computers in their job and
more than half (58\%) used the computer an average of 10 or more hours per week (Table 4A, 4B).
- An estimated 9.6 million adult Canadians (47\%) reported being able to use a computer for some purpose, with little difference between males (48\%) and females (46\%). About 74\% of the population age 15 to 24 years old reported having this ability, compared with $58 \%$ of 25 to 44 year olds and only $22 \%$ of individuals age 45 or older (Table 7A).
- Nearly one in three Canadians ( 6.4 million) reported having taken a course on how to use computers. About 58\% of persons 15 to 24 years old had taken a computer course, compared with only $14 \%$ of individuals 45 years of age or older (Table 7A).


## Selected findings related to retirement:

- Of those employed in $1988,43 \%$ reported plans to retire before age 65, 14\% at age 65 and only $1 \%$ after age 65. An additional $7 \%$ indicated they did not plan to retire and $34 \%$ did not know when they would retire (Table 8).
- Retirement plans differ considerably by age. Baby boomers (persons age 25 to 44 years) were most likely to indicate plans for an early retirement, with about half of this age group choosing
this option (Table 8).
- The survey showed that about $62 \%$ of Canadians ( 12.6 million) do not support mandatory retirement. Of the one in three who believe it is a good idea, men are slightly more likely to favour mandatory retirement than women. Canadians age 45 years and over are somewhat more supportive of mandatory retirement than are younger persons (Table 9).


## TABLES

Table 1A:

Table 1B:

Table 1C:

Table 2A:

Table 2B:

Table 3 :

Table 4A:

Table 4B:

Table 5 :

Population 15 Years of Age and Over by Current Educational Enrolment by Sex and Age Group, Canada, 1989

Population 15 Years of Age and Over, who are Currently Enrolled in an Educational Program, by Type of Educational Enrollment by Sex and Age Group, Canada, 1989

Population 15 years of Age and Over, who are Currently Enrolled in an Educational Program, by Indicator of Courses Taken in the Past 12 Months by Sex and Age Group, Canada, 1989

Population 15 Years of Age and Over by Educational Intentions in the Next Five Years by Sex and Age Group, Canada, 1989

Population 15 Years of Age and Over, Who Plan to Enroll in an Educational Program in the Next Five Years, by Reasons for Further Education by Sex and Age Group, Canada, 1989

Population 15 Years of Age and over, who are Currently Enrolled in an Educational Program, by Main Activity Prior to Enrolment by Sex and Age Group, Canada, 1989

Employed Population 15 Years of Age and Over by Use of Computers on the Job by Sex and Age Group, Canada, 1989

Employed Population 15 Years of Age and Over, Who Use Computers on the Job, by Hours of Use Per Week by Sex and Age Group, Canada, 1989

Employed Population 15 Years of Age and Over by the Degree to Which Their Job has been Affected by the Introduction of Computers or Automated Technology During the Last Five Years by Sex and Age Group, Canada, 1989

## TABLES

Table 6 :

Table 7A : Population 15 Years of Age and Over by Indicators Related to Computer Use by Sex and Age Group, Canada, 1989

Table 7B : Population 15 Years of Age and Over, Who Can Use a Computer, by Types of Use in the Past 12 Months by Sex and Age Group, Canada, 1989

Table 8 : Employed Population 15 Years of Age and Over by Their Retirement Plans by Sex and Age Group, Canada, 1989

Table 9 : Population 15 Years of Age and Over by Their Views on Mandatory Retirement Age by Sex and Age Group, Canada, 1989

Note for all tables :
$1)$ - amount too small to be expressed, i.e. sampling variability (coefficient of variation) is greater than $33 \%$
2) amount in cell is nil (or zero)
3) figures between 28,000 and 64,000 have a high sampling variation; use with caution

TABLE 1A: POPULATION 15 YEARS OF AGE AND OVER BY CURRENT EDUCATIONAL
ENROLLMENT BY SEX AND AGE GROUP, CANADA, 1989

| SEX AND AGE GROUP |  | total POPULATION |  | CURRENTLY ENROLLED |  | CURRENTLY ENROLLED |  | NOT STATED |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { No. } \\ & 000 \text { 's } \end{aligned}$ | \% | $\begin{gathered} \text { No. } \\ 000 \text { 's } \end{gathered}$ | \% | $\begin{aligned} & \text { No. } \\ & 000 \text { ' } \end{aligned}$ | \% | $\begin{aligned} & \text { No. } \\ & 000 \text { 's } \end{aligned}$ | \% |
| BOTH SEXES | ALL AGES | 20,248 | 100 | 3,262 | 16.1 | 16,082 | 83.9 | - | - |
|  | 15-19 | 1,860 | 100 | 1.485 | 79.8 | 375 | 20.2 | . | . |
|  | 20-24 | 2.053 | 100 | 657 | 32.0 | 1,396 | 68.0 | . | . |
|  | 25-44 | 8.601 | 100 | 1,007 | 11.7 | 7.594 | 88.3 | . | . |
|  | 45 + | 7.734 | 100 | 113 | 1.5 | 7.617 | 88.5 | - | - |
| MALE | ALL AGES | 9.903 | 100 | 1.581 | 16.0 | 8,322 | 84.0 | . |  |
|  | 15-19 | 951 | 100 | 768 | 80.8 | 183 | 19.2 | . | . |
|  | 20-24 | 1.038 | 100 | 307 | 29.6 | 730 | 70.4 | . |  |
|  | 25-44 | 4.279 | 100 | 477 | 11.2 | 3,802 | 88.8 | . | . |
|  | $45+$ | 3,635 | 100 | - | - | 3,607 | 99.2 | . | . |
| Female | ALL AGES | 10,345 | 100 | - 1,681 | 16.2 | 8,660 | 83.7 | - | - |
|  | 15-19 | 909 | 100 | 716 | 78.8 | 192 | 21.2 | . | . |
|  | 20-24 | 1.015 | 100 | 350 | 34.5 | 685 | 65.5 |  | . |
|  | 25-44 | 4,322 | 100 | 530 | 12.3 | 3,792 | 87.7 | . | . |
|  | 45 + | 4.099 | 100 | 85 | 2.1 | 4.010 | 97.8 | - | - |

TABLE 1B: POPULATION 15 YEARS OF AGE AND OVER WHO ARE CURRENTLY ENROLLED IN AN EDUGATIONAL PROGRAM
BY TYPE OF EDUCATIONAL ENROLLMENT BY SEX AND AGE GROUP, CANADA, 1889


TABLE 1C: POPULATION 15 YEARS OF AGE AND OVER WHO ARE CURRENTLY ENROLLED IN AN EDUCATIONAL PROGRAM BY INDICATOR OF COURSES TAKEN IN THE PAST 12 MONTHS BY SEX AND AGE GROUP, CANADA, 1988


TABLE 2A: POPULATION 15 YEARS OF AGE AND OVER BY EDUCATIONAL INTENTIONS
IN THE NEXT FIVE YEARS BY SEX AND AGE GROUP, CANADA. 1989

PLANNING TO START AN EDUCATIONAL PAOGRAM



TABLE 3: POPULATION 15 YEARS OF AGE AND OVER WHO ARE CURRENTLY ENAOLLED IN AN EDUCATIONAL PROGRAM BY MAIN ACTIVITY PRIOR TO ENROLLMENT BY SEX ANO AGE GROUP, CANADA, 1888


TABLE 4A: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER BY USE OF COMPUTERS
ON THE JOB BY SEX AND AGE GROUP, GANADA. 1989


GENERAL SOCIAL SURVEY, 1989

TABLE 4B: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER WHO USE COMPUTERS ON THE JOB BY HOURS OF USE PER WEEK BY SEX AND AGE GROUP, CANADA, 1989

| SEX AND AGE GROUP |  | EMPLOYED POPULATION WHO USE COMPUTERS | NUMBER OF COMPUTER HOURS PER WEEK |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | LESS THAN 5 |  |  | 5 TO HOURS | 10 TO 18 |  | 20 OR MORE |  |  | NOT STATED |  |
|  |  | $\begin{array}{r} \text { No. } \\ 000^{\prime} \end{array}$ | \% | $\begin{gathered} \text { No. } \\ 000 \text { 's } \end{gathered}$ | \% | $\begin{aligned} & \text { No. } \\ & 000 \text { 's } \end{aligned}$ | $\%$ | $\begin{array}{r} \text { No. } \\ 000 \text {. } \end{array}$ | \% | $\begin{aligned} & \text { No. } \\ & 000 \text { 's } \end{aligned}$ | \% | $\begin{aligned} & \text { No. } \\ & 000 \text { 's } \end{aligned}$ | 96 |
| BOTH SEXES | ALL AGES | 4,284 | 100 | 1.112 | 26.0 | 626 | 14.6 | 831 | 19.4 | 1.660 | 38.8 | 55 | 1.3 |
|  | 15-24 | 521 | 100 | 110 | 21.1 | 72 | 13.8 | 97 | 18.6 | 237 | 45.5 | - | - |
|  | 25-44 | 2.832 | 100 | 738 | 26.0 | 400 | 14.1 | 512 | 18.1 | 1.154 | 40.7 | 28 | 1.0 |
|  | $45+$ | 830 | 100 | 265 | 28.4 | 153 | 16.5 | 222 | 23.8 | 269 | 28.9 | - | - |
| Male | All ages | 2,173 | 100 | 707 | 32.5 | 344 | 15.8 | 395 | 18.2 | 699 | 32.2 | - | - |
|  | 15-24 | 226 | 100 | 79 | 35.2 | - | - | - | - | 104 | 45.8 | . |  |
|  | 25-44 | 1,443 | 100 | 462 | 32.0 | 248 | 17.2 | 248 | 17.1 | 469 | 32.5 | - | - |
|  | 45 + | 504 | 100 | 165 | 32.7 | 76 | 15.1 | 124 | 24.7 | 125 | 24.9 | - | - |
| Female | ALL AGES | 2.111 | 100 | 406 | 19.2 | 282 | 13.4 | 436 | 20.7 | 961 | 45.5 | - | - |
|  | 15-24 | 295 | 100 | 30 | 10.3 | 53 | 17.8 | 74 | 24.9 | 133 | 45.2 | - | - |
|  | 25-44 | 1,389 | 100 | 276 | 19.8 | 152 | 10.9 | 265 | 19.1 | 685 | 49.3 | - | - |
|  | 45 + | 426 | 100 | 100 | 23.4 | 78 | 18.2 | 98 | 22.9 | 143 | 33.6 | - | - |
| GENERAL SOCIAL SURVEY, 1889 |  |  |  |  |  |  |  |  |  |  |  |  |  |

TABLE 5: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER BY THE DEGREE TO WHICH THEIR JOB has been affected by the introduction of computers or automated technology dURING THE LAST FIVE YEARS BY SEX AND AGE GROUP, CANADA, 1989


TABLE 6.1: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER WHO HAVE BEEN AFFECTED BY THE INTRODUCTION OF COMPUTERS OR AUTOMATED TECHNOLOGY DURING THE LAST FIVE YEARS BY THE TYPE OF IMPACT THIS TECHNOLOGY HAS HAD ON THEIR JOB BY SEX AND AGE GROUP, CANADA, 1989


TABLE 6.2: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER WHO HAVE BEEN AFFECTED BY THE INTRODUCTION OF COMPUTERS OR AUTOMATED TECHNOLOGY DURING THE LAST FIVE YEARS BY THE TYPE OF IMPACT
THIS TECHNOLOGY HAS HAD ON THEIR JOB BY SEX AND AGE GROUP. CANADA. 1989

| SEX AND AGE GROUP | EMPLOYED JOB SECURTY |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | POPULATION |  |  |  |  | Stayed the |  |  |  |  |  |
|  |  | AFFECTED |  | increased |  | DECREASED |  | SAME |  | NOT STATED |  |
|  |  | No. | \% | No. | \% | No. | \% | No. | \% | No. | \% |
|  |  | 000'8 |  | 000's |  | $000 \cdot 8$ |  | 000'8 |  | 000's |  |
| BOTH SEXES | ALL AGES | 5.441 | 100 | 1.046 | 19.2 | 595 | 10.9 | 3.753 | 69.0 | 47 | 0.9 |
|  | 15-24 | 682 | 100 | 129 | 19.0 | 49 | 7.1 | 496 | 72.8 | - | - |
|  | 25-44 | 3,474 | 100 | 717 | 20.6 | 413 | 11.9 | 2,325 | 66.8 | - | - |
|  | 45 + | 1.285 | 100 | 201 | 15.6 | 133 | 10.3 | 931 | 72.4 | - | - |
| Male | ALL AGES | 3,142 | 100 | 641 | 20.4 | 370 | 11.8 | 2,112 | 67.2 | - | - |
|  | 15-24 | 368 | 100 | 72 | 19.5 | - | - | 268 | 72.9 | - | - |
|  | 25-44 | 2,000 | 100 | 426 | 21.3 | 264 | 13.2 | 1,296 | 64.8 | - | - |
|  | 45 + | 774 | 100 | 143 | 18.4 | 80 | 10.3 | 548 | 70.8 | - | - |
| FEMALE | ALL AGES | 2,299 | 100 | 406 | 17.7 | 224 | 9.8 | 1.640 | 71.3 | - | - |
|  | 15-24 | 314 | 100 | 58 | 18.4 | - | - | 228 | 72.7 | - | - |
|  | 25-44 | 1,474 | 100 | 290 | 19.7 | 149 | 10.1 | 1.029 | 69.8 | - | - |
|  | 45 + | 512 | 100 | 58 | 11.3 | 53 | 10.3 | 383 | 74.8 | - | - |

TABLE 6.3: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER WHO HAVE BEEN AFFECTED BY THE INTRODUCTION OF COMPUTERS OR AUTOMATED TECHNOLOGY DURING THE LAST FIVE YEAAS BY THE TYPE OF IMPACT THIS TECHNOLOGY HAS HAD ON THEIR JOB BY SEX AND AGE GROUP, CANADA, 1989

| SEX AND AGE GROUP |  | INTEREST LEVEL OF JOB |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | EMPLOYED |  |  |  |  |  |  |  |  |  |
|  |  | POPULATION <br> AFFECTED |  | INCREASED |  | DECREASED |  | STAYED THE |  | NOT STATED |  |
|  |  |  |  | SAME |  |  |  |  |
|  |  | No. | \% |  |  | No. | \% | No. | \% | No. | \% | No. | \% |
|  |  | 000' |  | 000's |  | $000 \cdot 6$ |  | 000's |  | $000 \cdot 8$ |  |
| BOTH SEXES | ALL AGES | 5,441 | 100 | 3,325 | 61.1 | 218 | 4.0 | 1.882 | 34.6 | - | - |
|  | 15-24 | 682 | 100 | 417 | 61.2 | - | - | 237 | 34.8 | - | - |
|  | 25-44 | 3,474 | 100 | 2.136 | 61.5 | 140 | 4.0 | 1,191 | 34.3 | - | - |
|  | $45+$ | 1,285 | 100 | 772 | 60.0 | 54 | 4.2 | 454 | 35.3 | - | - |
| Male | ALL AGES | 3,142 | 100 | 1,923 | 61.2 | 112 | 3.6 | 1,097 | 34.8 | - | - |
|  | 15-24 | 368 | 100 | 234 | 63.6 | - | - | 121 | 32.8 | - | - |
|  | 25-44 | 2,000 | 100 | 1.213 | 60.6 | 66 | 3.3 | 716 | 35.8 | - | - |
|  | $45+$ | 774 | 100 | 476 | 61.6 | - | - | 260 | 33.6 | - | - |
| FEMALE | ALL AGES | 2,299 | 100 | 1,402 | 61.0 | 105 | 4.6 | 785 | 34.2 | - | - |
|  | 15-24 | 314 | 100 | 183 | 58.4 | - | - | 116 | 37.0 | - | - |
|  | 25-44 | 1,474 | 100 | 924 | 62.7 | 74 | 5.0 | 474 | 32.2 | - | - |
|  | 45 + | 512 | 100 | 285 | 57.7 | - | - | 195 | 38.0 | - | - |



TABLE 7B: POPULATION 15 YEARS OF AGE AND OVER WHO CAN USE A COMPUTER BY TYPES
OF USE IN THE PAST 12 MONTHS BY SEX AND AGE GROUP. CANADA, 1889


TABLE 8: EMPLOYED POPULATION 15 YEARS OF AGE AND OVER BY THEIR RETIREMENT PLANS BY SEX AND AGE GROUP, CANADA, 1989


TABLE 9: POPULATION 15 YEARS OF AGE AND OVER BY THEIR VIEWS ON MANDATORY RETIREMENT AGE BY SEX AND AGE GROUP, CANADA, 1889


APPENDIX

## CYCLE FOUR QUESTIONNAIRE PACKAGE

This package briefly describes the content, methodology and sample of the fourth cycle of the General Social Survey (GSS). Copies of the various questionnaire forms used in Cycle 4 are attached as appendices: the GSS Selection Control Form 4-1 as Appendix $A$; and the GSS 4-2 main questionnaire form 'Education and Work Questionnaire' as Appendix B.

## Content and Questionnaire

The fourth cycle of the General Social Survey was conducted during the last week of January and the month of February of 1989. The survey collected information on a person's educational attainment and future intentions; employment experience; and their awareness of science and technology. Two questionnaires were used to conduct the interviews:

| QUESTIONNAIRE | AGE GROUP | TITLE |
| :--- | :--- | :--- |
| GSS 4-1 | All age groups | Selection control Form |
| GSS 4-2 | Age 15 and over | Education and work <br> Questionnaire |

The GSS 4-1 was completed for each telephone number selected in the sample. It lists all household members and collects basic demographic information, specifically, age, sex, marital status and relation to the head of the family. A respondent, 15 years of age or older, was then randomly selected and a GSS 4-2 was completed for this person. The content of the main sample questionnaire is listed below:

Section of GSS 4-2
A.
B.
C.
D.
E.
F.
G.
H.

Content
Education attainment Current educational program
Activities after completion of education Activities before starting education Future education plans Awareness of science and technology 1988 employment experience 1984 and current employment experience

## Content

K.
L.
M.
N.

Employment experience of respondents who are retired
Employment experience of respondents not currently in the labour force
Respondent's involvement in organizations Well-being
Respondent's background information

## Sample

The sample for cycle 4 consisted of persons 15 years of age or older from across the ten provinces. The sample was created through random digit dialing (RDD).

Each computer generated telephone number in the sample was called. An interviewer completed a Selection Control Form (GSS 4-1), shown in Appendix A. When they contacted a private household, they enumerated all the members of the household on the GSS 4-1 and then randomly selected and interviewed one member aged 15 years or older. Almost 10,000 individuals were interviewed in this way and completed the GSS 4-2 questionnaire. The response rate was approximately $80 \%$.
1: $\qquad$ L 1 」 L_1 $2: \perp$ 3: $\bigsqcup \quad$ \&: $\bigsqcup \quad$ 5: $L \perp \perp$ telephone number label

| aecord of calls |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | ${ }^{11}$ Date |  | ${ }^{12} \text { Start }$ |  | ${ }^{13}$ Firrish |  | $\int_{14}^{14}$ | $115$ <br> Herviewers Name | 16 Comments |
|  | Day | Month | Hour | Min | Hour | Min |  |  |  |
| 01 | 1 | 1 | 1 | 1 | 1 | 1. | 1 |  |  |
| 02 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 03 | 1 | 1 | 1 | 1 | 1 | 1 | $\perp$ |  |  |
| 04 | 1 | 1 | 1 | 1 | $\perp$ | 1 | 1 |  |  |
| 05 | 1 | 1 | 1 | 1 | 1 | 1 | 1. |  |  |
| 06 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 07 | $\ldots$ | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 08 | 1 | 1 | 1. | 1 | 1 | 1 | 1 |  |  |
| 09 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 12 | - 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 15 | 1 | 1 | 1 | 1 | 1. | 1 | 1 |  |  |
| 16 | $\perp$ | 1 | 1 | $\perp$ | 1 | $\perp$ | 1 |  |  |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |

17. Call Coverage by Time of Day and Day of Week

| Time Period | Mon | Tues | Wed | Thur | Fri | Sat |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- |
| $0900-1200$ |  |  |  |  |  |  |
| $1201-1600$ |  |  |  |  |  |  |
| $16.01-1900$ |  |  |  |  |  |  |
| $19: 01-2100$ |  |  |  |  |  |  |


| Form | Number of <br> forms |
| :---: | :---: |
| GSS 4-1 | $\square$ |
| GSS 4-2 | $\square$ |

19. Interviewer Number

Senior Interviewer Onty
20. Final status







E SECTION E: Future Education
E1. In the next five years, do you plan to start an additional educational or training program?
(Include part-time and full-time)

| Yes $\ldots . .$. | 1 O |
| :--- | :--- |
| No $\ldots \ldots$. | 2 O | $\mathrm{\longrightarrow}$ Go to E6

E2. What is your MAIN reason for planning to do this? Is it to prepare for first career, 10 change or improve career, to improve earnings, because of interest in subject, or for some other reason?
(Mark one only)

(Specify)

$1 \perp \perp \perp \perp \perp \perp 1 \perp 1 \perp$

E3. What degree diploma or certificate do you eventually want to obtain?
(Mark one only)
Masters or earned doctorate $\quad 1 \mathrm{O} \longrightarrow$ Go to E5
Bachelor or undergraduate
degree or teacher's college $20 \rightarrow$ Go to E5

Diploma or certificate from
community college. CEGEP
or nursing school

Diploma or certificate from
trade, technical or vocational
school. or business college $4 O \longrightarrow$ Go to E5

Elementary High school
diploma . ............ 50
Not for degree, diploma. or
certificate
60

Undecided or don't know
70
Other

(Specify)

E4. INTERVIEWER: Go to E6
-6 -
E5. What would be your major field of study or specialization?


## $\perp \perp \perp \perp 1 \perp \perp \perp \perp 1 \perp|1| 1 \perp$

$1 \perp 11 \perp \perp 1|1 \perp 1| 1 \mid 11$
E6. Now some general questions about certain aspects of your education.
E7. Have you ever completed an apprenticeship program?
Yes ....... 10
No
E8. Have you ever taken any courses on how to use computers?

| Yes $\ldots . .$. | 30 |
| :--- | :--- | :--- |
| No ......... | 40 |

E9. Can you do anything on a computer. for example. play games, word processing or data entry?

Yes
50
No
60 Go to Ely

E10. In the last 12 months, have you done any of the following on a computer?
(Any computer)


E11. Do you have a personal computer at home?
Yes
10
2 O —Goto Fi

E12. Do you personally use that computer?
No
30
$4 \mathrm{O} \longrightarrow$ Go to FI

E13. How many hours per weak do you normally use it?
$\qquad$ hours

F1. There are lots of topics in the news. I am going to read you a short list of them and for each one 1 would like you to tell me if you are very interested, moderately interested, or not at all interested.

| Very | Moderately | Not at all | No |
| :--- | :--- | :--- | :--- |
| interested | interested | interested | opimion |

a) Current affairs, Including national and local events

| 010 | 020 | 030 | 040 |
| :--- | :--- | :--- | :--- |
| 050 | 060 | 070 | 080 |
| 090 | 100 | 110 | 120 |
| 130 | 140 | 150 | 160 |

F2. I would like you to tell me how well informed you are about these lopics. Are you very well informed, moderately informed, or poorly informed about

## Very well intormed

a) Current aftairs, including nattonal and local events

Economic conditions and business issues
c। New inventions and technologies
Recent scienufic discoveries

170
210
250
290

Moderately informed


Poorly intormed opinion

F3. How often do you pay attention to programs about science and technology

|  | Regularly | Occasionally | Never |
| :---: | :---: | :---: | :---: |
| a) On television | 10 | 20 | 30 |
| b) On radio | 40 | $5 \bigcirc$ | $6 \bigcirc$ |

F4 How often do you read articles about science and technology in

| Regularly | Occasionally | Never |
| :---: | :---: | :---: |
| 10 | 20 | 30 |
| 40 | 50 | 60 |

F5. Please tell me if you agree or disagree with the following statements.
Is that somewhat or strongly?
Somewhat
a) Science and technology are making our llves better
b) Science and technology will make work more interesting
C) On balance, computers and automation will create more jobs than they will ellminate
d) Science makes our life change too fast

Agree Disagree No opinion

Agree
Disagree
No opinion

$03 \bigcirc$
$06 \bigcirc$
$10 \bigcirc$
$13 \bigcirc$

| Agree $\ldots$. | $08 \mathrm{O} \longrightarrow$ | $\longrightarrow$ |
| :--- | :--- | :--- |
| Disagree $\ldots$ | 110 |  |
| No opinion | 14 O |  |

to opinnon
 Disagree No opinion 07 O


a)
papars
Magazines

10
40


60


- 8


- 10 -

- 11 -

| H9. What kind of business, industry or service was this? <br> Give 九ull description: e.g. paper box manulacruring. retail shoe store, mumcipal board of education) | H18. In total, about how many people work in your business/company at all its locations? <br> Less than 20 <br> Between 20 and 99 <br> Between 100 and 499 <br> More than 500 people |
| :---: | :---: |
|  | H19. INTERVIEWER: Go to H29 |
|  | H 2 O . Would you prefer to have a permanent job? <br> Yes <br> 5 |
| H10. What kind of work were you doing? | No |
| (Give a full description: e.g. accounts clerk, dairy farmer, primary school teacher) <br> Same duties as in 1988 <br> (Same as in Gi6) | H21. Do you directly supervise any people? |
| $1 \perp \perp \perp \perp 1 \perp \perp \perp\|1\| 1 \mid 1 \perp$ | H22. Last week. how many people did you direcily supervise? $\square$ people |
|  | H23. How much of your working time do you spend supervising others? Would you say... |
| H11. Are you satisfled or dissatisfied with your (main) job? <br> is that somewhat or very? | less than a quarter? <br> 1 between a quarter and a half? more than a half? |
| Salisfied $\ldots . .$. 10 $\longrightarrow 20$ <br> Dissatisfied $\ldots .$. $40 \rightarrow 50$ 60 <br> No opinion $\ldots .$. 70  | H24. In total, about how many people work in your businessicompany at all its locations? <br> Less than 20 |
| H12. In what year did you start working for this business/company? | Between 100 and 499 <br> Mare than 500 peopie |
| 19 | H25. Which of the following best describes the work |
| H13. How many months in the year do you normally work at your (main) job? <br> (include vacation. lliness. strikes. lock-outs and maternay leave) | Managerial <br> 1 <br> Supervisory <br> 2 $\rightarrow$ Go to H29 <br> Neither <br> $3 \mathrm{O} \longrightarrow$ Go to H 29 |
|  | Would you say thar you are in a rop. upper, middo |
| H14. Is your (main) job permanent? That is, a job without a specific end date. | or lower management position? |
| H15. Do you directly supervise any people? $\begin{array}{lll} \text { Yes ......... } & 4 \bigcirc \\ \text { No .......... } & 5 \bigcirc \longrightarrow \text { Go to H18 } \end{array}$ | H27. Do you take part in planning the future business activittes of <br> the entire business company? |
| H16. Last week, how many people did you directly supervise? <br> people | only a part of it ? <br> not involved in <br> planning $3 \bigcirc \rightarrow \text { Go to } \mathrm{H} 29$ |
| H17. How much of your working time do you spend supervising others? Would you say . . . <br> less than a quarter? <br> batween a quarter and a half? <br> more than a half? | H28. How much of your working time do you spend on planning future business activities of your company? is it . . . <br> less than a quarter? <br> 40 <br> between a quarter and a hall? <br> more than hatf? |

H29. I'd like to ask for your opinions about your current job. Do you agree or disagree with the following statements?
is that somewhat or strongly?

Somewhat
Strongly
a) The physical surroundings at your work are pleasant
b) There is a lot of freedom to decide how to do your work
c) You do the same things over and over
a) Your job requires a high level of skili
e) The pay is good
f) Your chances for promotion or career development are good


| Agree $\ldots$. | 150 |
| :--- | :--- | :--- |
| Disagree $\ldots$ | 180 |
| No opinion | 210 |


| Agree | 22 | 23. | 24 |
| :---: | :---: | :---: | :---: |
| Disagree | 25 |  | 27 |
| No opinion | 28 |  |  |
| Agree | 29 |  | 31 |
| Disagree | 32 | 33 | 34 |

No opinion

| Agree $\ldots$. | $36 \mathrm{O} \longrightarrow$ | 37 O |
| :--- | :--- | :--- |
| Disagree |  |  |
| No opinion. | 42 O |  |

$38 \bigcirc$
410

| H30. Does your business/company provide you with ... |  |  |  |
| :--- | :--- | :--- | :---: |
|  | Yes No Don't know |  |  |
|  | 10 | 20 | 30 |
| a) a pension plan? | 40 | 50 | 60 |
| b) medical insurance? | 40 |  |  |
| c) a dental plan? | 70 | 80 | 90 |

H35. In the last five years, how much has your work been affected by the introduction of computers or automated technology? Would you say
greatly?
somewhat?
hardly?


H31. Does your businessfcompany provide paid maternity leave?

| Yes $\ldots .$. | 10 |
| :--- | :--- |
| No $\ldots . .$. | 20 |
| Don't know | 30 |

H32. In the last live years, how many times have you received a promotion from your current business/company?
(Since started it less than five years ago)
$\square$ promotions

H33. Do you use computers such as mainframes, personal computers or word processors in your job?
$\begin{array}{ll}\text { Yes } \ldots . & 4 \mathrm{O} \\ \text { No } \ldots . . & 5 \mathrm{O} \longrightarrow \text { GO } 10 \mathrm{H} 35\end{array}$
H34. How many hours per week do you normally use this equipment?
(finclude work done at home for job)
$\square$ nours

H36. In the last five years, has the level of skill required to perform your work increased, decreased. or stayed the same as a result of the introduction of computers or automated technology?
Increased ............... 10
Decreased ............ 20
Stayed the same ......... 30

H37. In tho last five years, has the job security increased, decreased. of stayed the same as a resuit of the introduction of computers or automated technology?

| Increased ................ | 40 |
| :--- | :--- | :--- |
| Decreased ............ | 50 |
| Stayed the same ......... | 60 |

H38. Over the last five years, has your work become more interesting, less interesting, of stayed the same as a resuli of the introduction of computers or automated technology?

| More interesting | $\ldots . . .$. | 70 |
| :--- | :--- | :--- |
| Less interesting | $\ldots . . .$. | 80 |
| Slayed the same | ....... | 90 |

H39．How closety is your job related to your education？ Is it
closely related？
somewhat related？．．．．．．．．

| not related at all？ | 20 |
| :--- | :--- |

H40．What level of education is normally required for people who do your type of work？
（Level before apprenticeshop it applicable）


H41．Considering your experience，education and training，do you feel that you are overqualified for your job？

| Yes ．．．．． |  |
| :--- | :--- |
| No ．．．．． | 20 |

H42．Do you think it is likely you will lose your job or be laid off in the next year？

| Yes $\ldots .$. | 30 |
| :--- | :--- |
| No ．．．．． | 40 |

H43．Do you think this will be because of the introducition of computers ar automated technology？

| Yes ．．．．． | 50 |
| :--- | :--- |
| No ．．．．．． | 60 |
| Don＇t know | 70 |

H44．Now I will ask you some questions about your work activities during the last flve years，that is． since January 1984.

H45．During 1984．what best describes youp MAIN activity？Were you mainly
（Mark one only）

Working at a job
or business？．．．．．．．． $1 \bigcirc \rightarrow$ G0 to H 47
Looking for work？．．．．． 20
A student？．．．．．．．．．． 30
Keeping house？．．．．．． 40
Petired？．．．．．．．．．．．．．． 50
Other

（Spectify）

ட 1 ｜$|\perp \perp \perp| \perp \mid \perp \perp$

H46．Did you have job or were you self－employed at any time during 1984？

Yes
No


H47．For whom did you work the longest sime during 1984？
（Name of business，government department or agency． or person）
Same employer as in 1988
（Same as in G14）．．．．．． $1 \mathrm{O} \rightarrow$ Go to H49




H48．What kind of business，industry or service was this？
（Give full description：e．g．paper box manufacturing． retall shoe store．municipal board of education）

## 


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H49．What kind of work were you doing in 1984？
Give a fulf descriptron：e．g．accounts clerk．darry farmer．primary school reacher）

Same duties as in 1988
（Same as in Gi6）



いいいしいいいいいいいい





m SECTION M: Organizations
M1. Now I have a few questions about your involvement in associations, clubs or other groups. In the last 12 months, have you been involved in any . .
a) Charitable, service or volunteer organization?
b) Neighbourhood, community or school-related association?
c) Religious or church-related group, not counting time at church services?

| Yes | No |
| :---: | :---: |
| 010 | 020 |
| 030 | 040 |
| 050 | 060 |
| 070 | 080 |
| 090 | 100 |

e) Sports or athletic association?

110
120

1) Public interest group, concerned with issues such as the environment or world peace?

130
150
$16 \bigcirc$
h) Political organization?

M2. INTERVIEWER:
If all NO in M
1 O—GOSOM4
Otherwise
20

M3. On average, what is the total number of hours you spend each monih participating in all such organizations?
Zero
000
or
 hours

M4. Are you a member of a labour union?
Yes
30
No
40 $\qquad$

M5. On average, about how many hours do you spend each month on union activities?
Zero
00
or

hours

| SECTION $N$ : Satistaction |
| :--- | :--- | :--- | :--- | :--- |
| N1. For this part of the survey I would like you to consider your life as it is now. |

N4. Using the same scale, how do you feel about your life as a whole right now? Are you satisfled or
dissatisfied?
Is that somewhat or very?
Somewhat Very

| Satisfied $\ldots$ | 10 | 20 | 3 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Dissatisfied | 40 | 50 | 6 | 0 |
| No opinion . | 70 |  |  |  |





