

## Fewer students in work force as school age population declines

## Anne McDougall Young

The continuing decline in the 16 - to 24 -year-old population accounted for most of the half million drop in the schoolage work force between October 1982 and October 1983. Sixty percent of this decrease was among students. In addition, labor force participation rates edged down among most student groups but were unchanged among out-ofschool youth. Lower unemployment rates were recorded among both students and nonstudents, reflecting the strengthened economy. Not all worker groups shared in this improvement, however.' (See table 1.)

## Students

Over a third of the high school students and over half of all college students were in the labor force, that is, working or looking for work, in October 1983. The labor force participation rate was virtually the same for female and male students at each level of school attended. This is in sharp contrast to the 1960's and eariy 1970's, when participation rates were as much as 11 percentage points higher among male high schoolers and 9 percentage points among male full-time college students.

Employment. About 29 percent of high school students and 40 percent of full-time college students had jobs in October 1983. Students usually work in industries requiring either irregular hours or extended schedules beyond " 9 to 5," such as retail stores, restaurants (including "fast food" establishments), and financial service organizations. In October 1983, 84 percent of all employed teenage students and 71 percent of employed 20- to 24 -year-old students were in the trade or services industries.

Full-time college students were employed an average of 18 hours per week compared to nearly 14 hours for high

Anne McDougall Young is an economist in the Division of Employment and Unemployment Analysis, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics.
school students. (See table 2.) Relatively few students worked full time ( 35 hours or more per week). Among both high school and full-time college students, the trend since 1970 has been for the working hours of women to rise while those of men have held steady, reflecting the increasing proportion of women who worked 15 to 21 hours and the decreasing proportion of men working more than 21 hours. Average hours worked by full-time college women have increased by more than 3 hours since 1967.

Among college students, paid employment is often arranged as part of a financial aid package along with scholarship grants and loans. The longitudinal study, "High School and Beyond," ${ }^{2}$ reported that 56 percent of the 1980 high school graduates who were enrolled in some form of postsecondary education used earnings to help finance their schooling. ${ }^{3}$ About one-third of all employed full-time college students worked up to 14 hours per week, and another third worked 15 to 21 hours in October 1983.

Table 2. Hours worked in nonagricultural industries by persons 16 to 24 years, enrolied in school by level of school attended, and sex, selected years, October 1967-83 [Numbers in thousands]

| Hours of work and sex | High school |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | October 1967 | $\begin{gathered} \text { October } \\ 1970 \end{gathered}$ | $\begin{array}{\|c\|} \hline \begin{array}{l} \text { October } \\ 1973 \end{array} \\ \hline \end{array}$ | October 1980 | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Otobor } \\ \text { 1983 } \end{array} \\ \hline \end{array}$ |
| Total at work | 2.953 | 3.163 | 3.740 | 3.311 | 2.836 |
| Percent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1 to 14 hours | 61.7 | 57.3 | 51.6 | 51.0 | 57.2 |
| 15 to 21 hours | 19.8 | 24.0 | 27.3 | 30.5 | 28.6 |
| 22 to 34 hours | 11.7 | 12.6 | 14.5 | 13.4 | 9.9 |
| 35 hours and over | 6.7 | 6.1 | 6.6 | 5.1 | 4.3 |
| Average hours (mean): |  |  |  |  |  |
| Total | 13.9 | 14.3 | 15.2 | 14.9 | 13.6 |
| Men | 15.5 | 16.0 | 17.0 | 15.8 | 14.3 |
| Women | 11.8 | 12.2 | 13.1 | 14.1 | 13.0 |
|  | Full-time college |  |  |  |  |
|  | Octaber 1967 | $\begin{gathered} \text { October } \\ 1970 \end{gathered}$ | $\begin{gathered} \text { October } \\ 1973 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { October } \\ 1980 \end{gathered}$ | $\begin{gathered} \text { October } \\ 1983 \\ \hline \end{gathered}$ |
| Total at work | 1.308 | 1.709 | 1.913 | 2.395 | 2.509 |
| Percent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1 to 14 hours | 42.7 | 36.2 | 33.4 | 36.5 | 33.8 |
| 15 to 21 hours | 30.3 | 35.9 | 35.9 | 36.9 | 38.5 |
| 22 to 34 hours | 16.8 | 16.7 | 18.6 | 17.0 | 18.2 |
| 35 hours and over | 10.2 | 11.2 | 12.2 | 9.6 | 9.5 |
| Average hours (mean): |  |  |  |  |  |
| Total | 17.2 | 18.2 | 18.9 | 17.8 | 18.2 |
| Men | 19.6 | 20.6 | 21.4 | 19.7 | 19.6 |
| Women | 14.3 | 15.6 | 16.9 | 17.4 | 17.6 |

## Out-of-school youth

The labor force activity of 16 - to 24 -year-old men and women who were no longer in school varied much more than among students. Women were less likely than men to be in the labor force at every level of completed education, with the difference narrowing as years of schooling increased. (See table 1.) Among high school dropouts, the labor force participation rate of women was 35 percentage points lower than that of men. Family responsibilities accounted for a large part of the difference; about half of the female dropouts were or had been married as of October 1983. However, male dropouts were more likely than women to have left school for job-related reasons or to support their family. ${ }^{4}$ At the other end of the educational spectrum, the
difference in participation rates between male and female college graduates differed by only about 4 percentage points.

Except for high school dropouts, unemployment rates were generally about the same for men and women who were no longer in school and had completed the same years of schooling. Among persons with 4 years of high school or more, male and female unemployment rates have differed by only 1 or 2 percentage points since the mid-1970's. Among the dropouts, women's unemployment rates have historically been 5 to 8 percentage points higher than those of men. By October 1982, the difference had narrowed, in part, because of the recession-related increase in unemployment among men. In October 1983, the difference remained small, but the unemployment rate for women was once again significantly higher as the unemployment rate

Table 1. Employment status of persons 16 to 24 years by school enrollment status, years of school completed, and sex, October, 1982-83
[Numbers in thousands]

| Characteristic | Civiliannoninstitutionalpopulation |  | Civilian labor force |  | Participationrate |  | Unemployed |  | Unemployment rate |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1982 | 1983 | 1982 | 1983 | 1982 | 1983 | 1982 | 1983 | 1982 | 1983 |
| Total, 16 to 24 years | 36.452 | 35.884 | 24,076 | 23.557 | 66.0 | 65.6 | 4,331 | 3,704 | 18.0 | 15.7 |
| Enrolled |  |  |  |  |  |  |  |  |  |  |
| Total, 16 to 24 years | 15,624 | 15,357 | 7.194 | 6.883 | 46.0 | 44.8 | 1,202 | 1,053 | 16.7 | 15.5 |
| 16 to 19 years | 10.725 | 10.637 | 4.398 | 4.233 | 41.0 | 39.8 | 916 | 798 | 20.8 | 18.9 |
| 20 to 24 years | 4.897 | 4.720 | 2.796 | 2.650 | 57.1 | 56.1 | 286 | 255 | 10.2 | 9.6 |
| High school | 7.701 | 7.628 | 2.970 | 2.802 | 38.6 | 36.7 | 707 | 621 | 23.8 | 22.2 |
| Coilege | 7.923 | 7.728 | 4.222 | 4.080 | 53.3 | 52.8 | 496 | 433 | 11.7 | 10.6 |
| Full-time students | 6,546 | 6.453 | 2.992 | 2.955 | 45.7 | 45.8 | 381 | 350 | 12.7 | 11.8 |
| Part-time students | 1.377 | 1.275 | 1.230 | 1.125 | 89.3 | 88.2 | 115 | 83 | 9.3 | 7.4 |
| Men. 16 to 24 years | 7.991 | 7.942 | 3.628 | 3.563 | 45.4 | 44.9 | 674 | 568 | 18.6 | 15.9 |
| 16 to 19 years | 5.457 | 5.360 | 2.211 | 2.127 | 40.5 | 39.7 | 493 | 422 | 22.3 | 19.8 |
| 20 to 24 years | 2.534 | 2.582 | 1.417 | 1.436 | 55.9 | 55.6 | 180 | 146 | 12.7 | 10.2 |
| High school | 4.045 | 4.016 | 1.589 | 1.490 | 39.3 | 37.1 | 417 | 344 | 26.2 | 23.1 |
| Coilege | 3.945 | 3.925 | 2.038 | 2.070 | 51.7 | 52.7 | 258 | 223 | 12.7 | 10.9 |
| Full-time students | 3.336 | 3.294 | 1,481 | 1.500 | 44.9 | 45.5 | 186 | 182 | 12.6 | 12.3 |
| Part-time students | 609 | 631 | 557 | 570 | 91.5 | 90.3 | 72 | 41 | 12.9 | 7.2 |
| Women, 16 to 24 years | 7.633 | 7.415 | 3.566 | 3.320 | 46.7 | 44.8 | 528 | 485 | 14.8 | 14.6 |
| 16 to 19 years | 5.270 | 5.277 | 2.187 | 2.106 | 41.5 | 39.9 | 423 | 376 | 19.3 | 17.9 |
| 20 to 24 years | 2.363 | 2.138 | 1.379 | 1.214 | 58.4 | 56.8 | 105 | 109 | 76 | 9.0 |
| High school | 3.656 | 3.612 | 1.381 | 1.312 | 37.8 | 36.3 | 290 | 277 | 21.0 | 21.1 |
| College | 3.978 | 3.803 | 2.184 | 2.010 | 54.9 | 52.9 | 238 | 210 | 10.9 | 10.4 |
| Full-time students | 3.210 | 3.159 | 1.511 | 1.455 | 47.1 | 46.1 | 195 | 168 | 12.9 | 11.5 |
| Part-time students | 768 | 644 | 673 | 555 | 87.6 | 86.2 | 43 | 42 | 6.4 | 7.6 |
| Not enrolied |  |  |  |  |  |  |  |  |  |  |
| Total, 16 to 24 years | 20.828 | 20.527 | 16.882 |  | 81.1 | 81.2 | 3.129 | 2.651 | 18.5 | 15.9 |
| - 16 to 19 years | 4.901 | 4.486 | 3.709 | 3.387 | 75.7 | 75.5 | 1.009 | 829 | 27.2 | 24.5 |
| 20 to 24 years | 15.926 | 16.041 | 13.173 | 13286 | 82.7 | 82.8 | 2.120 | 1.822 | 16.1 | 13.7 |
| Men, 16 to 24 years | 9.947 | 9.770 | 9.056 |  |  | 90.9 | 1.742 | 1.462 | 19.2 | 16.5 |
| 16 to 19 years. | 2.359 | 2.226 | 1.971 | 1.855 | 83.6 | 83.3 | 542 | 448 | 27.5 | 24.2 |
| 20 to 24 years | 7.588 | 7.544 | 7.086 | 7.023 | 93.4 | 93.1 | 1.200 | 1.014 | 16.9 | 14.4 |
| Less than 4 years of high school | 2.600 | 2.631 | 2.193 | 2.182 | 84.3 | 82.9 | 684 | 572 | 31.2 | 26.2 |
| 16 to 19 years ........ | 981 | 882 | 765 | 662 | 78.0 | 75. | 297 | 216 | 38.8 | 32.6 |
| 201024 years | 1.620 | 1.749 | 1.428 | 1.520 | 88.1 | 86.9 | 387 | 356 | 27.1 | 23.4 |
| 4 years of high school | 5.313 | 5232 | 4.915 | 4.856 | 92.5 | 92.8 | 851 | 730 | 17.3 | 15.0 |
| 1 to 3 years of college | 1.333 | 1.259 | 1.262 | 1.201 | 94.7 | 95.4 | 148 | 121 | 11.7 | 10.1 |
| 4 years of college or more | 701 | 648 | 687 | 638 | 98.0 | 98.5 | 58 | 38 | 8.4 | 6.0 |
| Women. 16 to 24 years | 10.881 | 10.757 | 7.826 | 7.795 | 71.9 |  | 1,387 | 1.189 | 17.7 | 15.3 |
| 16 to 24 years | 2.543 | 2.260 | 1.739 | 1.532 | 68.4 | 67.8 | 466 | 381 | 26.8 | 24.9 |
| 20 to 24 years | 8.338 | 8.497 | 6.087 | 6.263 | 73.0 | 73.7 | 921 | 808 | 15.1 | 12.9 |
| Less than 4 years of high school | 2.455 | 2.275 | 1,159 | 1.082 | 47.2 | 47.6 | 382 | 319 | 33.0 |  |
| 16 to 19 years | 910 | 745 | 442 | 335 | 48.6 | 45.0 | 172 | 110 | 38.9 | 32.8 |
| 20 to 24 years | 1.545 | 1.530 | 719 | 747 | 46.5 | 48.8 | 212 | 209 | 29.5 | 28.0 |
| 4 years of high school | 5.903 | 5.803 | 4.464 | 4.342 | 75.6 | 74.8 | 769 | 671 | 17.2 | 15.5 |
| 1 to 3 years of college | 1.691 | 1.726 | 1.428 | 1.468 | 84.4 | 85.1 | 160 | 131 | 11.2 | 8.9 |
| 4 years of college or more | 833 | 955 | 775 | 904 | 93.0 | 94.7 | 76 | 70 | 9.8 | 7.7 |

[^0]for men declined more during recovery.

## White, black, and Hispanic youth

Labor force participation was about unchanged over the year among white and black youth for both students and nonstudents. (See table 3.) Black youth, however, continued to be less than half as likely as whites to be in the labor force while in high school, and substantial differences also persisted by race among college students and out-of-school youth at all educational attainment levels. Participation rates for black high school students and high school graduates have been declining for several years. Among black high school students, for example, the participation rate slipped from 25 percent in October 1978 and 1979 to 16 percent in October 1983 and declined from 78 to 72 percent over the same period for black high school graduates. On the other hand, the participation rates for black college students and those out of school with some college education have been fairly stable.

Labor force participation rates of Hispanic students were also about unchanged over the year and remained between those of black and white youth. Relatively more Hispanic than white students in the labor force were enrolled at the high school level, perhaps reflecting slower progress in school for those who lacked a facility with English and/or were poorly prepared. Some 38 percent of the Hispanic high school students were age 18 or older, compared to 17 percent of the white high schoolers. Among youth no longer in school, Hispanics were twice as likely as whites to have left school before graduating from high school, reflecting,

Table 3. Labor force participation and unemployment rates of persons 16 to 24 years old by school enrollment, race, and Hispanic origin, October 1982-83

| Enrollment status | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1982 | 1983 | 1982 | 1983 | 1982 | 1983 |
| Enrolled |  |  |  |  |  |  |
| Labor force participation rate | 49.2 | 48.4 | 28.7 | 25.6 | 34.6 | 35.6 |
| High school students . | 43.0 | 41.6 | 18.6 | 16.1 | 23.5 | 25.9 |
| College students | 54.8 | 54.6 | 44.4 | 41.1 | 53.8 | 52.2 |
| Unemployment rate | 14.7 | 13.5 | 36.7 | 35.6 | 22.4 | 16.8 |
| High school students | 21.2 | 19.4 | 52.7 | 56.4 | 36.6 | 18.8 |
| College students . | 10.2 | 9.4 | 26.6 | 22.3 | 12.7 | 15.7 |
| Not enrolled |  |  |  |  |  |  |
| Labor force participation rate | 82.7 | 83.4 | 72.2 | 69.4 | 71.3 | 72.9 |
| Less than 4 years of high school | 68.2 | 68.9 | 59.3 | 57.3 | 65.0 | 66.3 |
| 4 years of high school only | 85.2 | 85.5 | 74.7 | 71.7 | 76.0 | 77.2 |
| College: 1 to 3 years... | ${ }_{9}^{89.3}$ | 90.4 | ${ }^{88.2}$ | 82.6 907 | ${ }^{79.6}$ | ${ }^{81.8}$ |
| 4 years or more | 95.4 | 96.5 | (1) | 90.7 | (1) | ( ${ }^{1}$ ) |
| Unemployment rate | 15.7 | 12.8 | 38.6 | 37.3 | 21.4 | 17.7 |
| Less than 4 years of high school | 27.8 | 23.5 | 52.9 | 48.0 | 24.7 | 22.0 |
| 4 years of high school only | 14.6 | 11.9 | 35.7 | 37.5 | 19.9 | 17.5 |
| College: 1 to 3 years .. | 8.9 | 7.3 | 28.4 | 23.8 | 15.2 | 3.4 |
| 4 years or more | 8.6 | 5.9 | ( ${ }^{1}$ | 23.1 | (') | $\left.{ }^{1}\right)$ |

[^1]Table 4. School enrollment and labor force status of 1983 high school graduates and 1982-83 school dropouts 16 to 24 years, by sex, race, and Hispanic origin, October 198283

| Characteristic | Dctober 1982 |  |  | October 1983 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Clivilian noninstitutional population | Participation rate | Un-employment rate | Civilian noninstitutional population | Participation rate | $\begin{gathered} \text { Un- } \\ \text { employ- } \\ \text { ment } \\ \text { rate } \end{gathered}$ |
| Total recent high school graduates ${ }^{1}$ | 3,100 | 63.0 | 22.5 | 2.964 | 63.6 | 22.3 |
| Men | 1,508 | 64.7 | 21.2 | 1,390 | 67.5 | 22.6 |
| Women | 1,592 | 61.3 | 23.9 | 1,574 | 60.2 | 22.0 |
| White | 2,644 | 64.5 | 19.0 | 2,496 | 64.6 | 7.7 |
| Black | 384 | 54.9 | 53.0 | 392 | 57.4 | 49.6 |
| Hispanic origin | 174 | 57.0 | 34.3 | 138 | 63.8 | 21.6 |
| Enrolled in college | 1,568 | 44.3 | 15.7 | 1,562 | 44.9 | 17.0 |
| Men . . | 739 | 42.8 | 14.6 | 721 | 47.7 | 17.4 |
| Women | 829 | 45.7 | 16.6 | 841 | 42.6 | 16.5 |
| Full-time students | 1.419 | 40.6 | 16.3 | 1.416 | 41.5 | 16.0 |
| Part-time students | 149 | 79.2 | 12.7 | 146 | 78.8 | 21.7 |
| White | 1,376 | 46.1 | 15.0 | 1.372 | 46.7 | 15.6 |
| Black | 140 | 30.0 | $\left.{ }^{2}\right)$ | 151 | 27.8 | $\left(^{2}\right)$ |
| Hispanic origin | 75 | 33.3 | $(1)^{2}$ | 75 | 34.7 | $\left(^{2}\right)$ |
| Not enrolled in college | 1,532 | 82.0 | 26.3 | 1.402 | 84.5 | 25.5 |
| Men | 769 | 85.8 | 24.4 | 669 | 88.8 | 25.6 |
| Women | 763 | 78.2 | 28.5 | 733 | 80.5 | 25.4 |
| White | 1,268 | 84.6 | 21.4 | 1.124 | 86.4 | 19.2 |
| Black | 244 | 69.3 | 58.0 | 241 | 75.9 | 54.1 |
| Hispanic origin | 99 | 74.7 | $\left({ }^{2}\right)$ | 63 | $\left({ }^{2}\right)$ | ${ }^{2}$ ) |
| Total recent school dropouts ${ }^{1}$ | 668 | 63.0 | 41.6 | 597 | 63.1 | 31.6 |
| Men | 355 | 76.6 | 43.4 | 329 | 75.4 | 32.7 |
| Women | 313 | 47.6 | 38.3 | 268 | 48.1 | 29.5 |
| Single . | 216 | 50.5 | 38.5 | 208 | 50.0 | 33.7 |
| Other marital status | 96 | 41.7 | ${ }^{2}$ ) | 60 | $\left.{ }^{2}\right)^{\text {a }}$ | ${ }^{(2)}$ |
| White . | 513 | 67.1 | 36.0 | 445 | 63.8 | 25.7 |
| Black | 135 | 51.9 | ${ }^{(2)}$ | 124 | 57.3 | (2) |
| Hispanic origin | 73 | $\left.{ }^{2}\right)$ | (2) | 79 | 67.1 | (2) |

${ }^{1}$ Data refer to persons who graduated from high school or dropped out of school between October 1981-82 or October 1982-83.
${ }^{2}$ Percent not shown where base is less than 75,000 .
Note: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.
in part, the need to help support their families as well as lack of opportunity for some of the immigrants among them to have attended school in their native country.

Unemployment rates dropped somewhat over the year among most groups of white students, and much larger declines took place among those no longer in school. For the latter group, the unemployment rates of 5.9 percent for college graduates, 11.9 for high school graduates, and 23.5 for high school dropouts were 2 to 4 percentage points lower than in 1982. By contrast, unemployment rates among black youth, both in and out of school, were nearly three times
as high as for whites and showed relatively little response to improved economic conditions. For Hispanic youth, jobless rates declined substantially among high school students and those no longer in school. However, the unemployment rate for out-of-school Hispanic youth remained almost 5 percentage points higher than for white youth.

## Recent high school graduates and dropouts

Although there were fewer high school graduates in 1983 than in 1982, about the same number went on to college in both years. (See table 4.) Thus, college enrollment levels remained unchanged, as a somewhat higher entry rate offset the declining school-age population. Black high school graduates continued to be less likely to enter college than white or Hispanic graduates.

Nearly 85 percent of recent high school graduates not enrolled in college were in the labor force in October 1983. This was somewhat higher than in October 1982, but, in contrast to the situation among the total out-of-school youth group, the unemployment rate for recent graduates was virtually unchanged. As among all 16 - to 24 -year-olds with a high school diploma, lower proportions of black and Hispanic recent graduates were in the labor force compared with whites.

The number of recent high school dropouts declined over the year, reflecting the decrease in the teenage population. In both 1982 and 1983, recent school leavers accounted for about 3 percent of all 16- to 24 -year-olds no longer in school, down from 4 percent during the peak years of the baby boom. While about the same proportion of dropouts as a year earlier were in the labor force, unemployment rates for this group decreased by about 10 percentage points for both men and women.

## -_FOOTNOTES-__

[^2]
## Auto industry experiments with the Guaranteed Income Stream

## Peter Cappelli

The Nation's recent experience with high unemployment and occupational dislocation has renewed the interest of workers and their unions in improving employment security through the collective bargaining process. William M. Davis notes, for example, that employment security was the most important topic in the 1983 round of national negotiations, ${ }^{1}$ and results of a 1982 survey by D. Quinn Mills also suggest that concern with unemployment has been a major influence shaping current union bargaining positions. ${ }^{2}$

A number of innovative arrangements to improve employment security have come out of recent contract negotiations. Of these, perhaps the most interesting and important are the Guaranteed Income Stream (GIS) plans introduced in the auto industry. These plans address the growing problem of structural unemployment by providing a novel form of income protection for workers, and financial incentives for firms to avoid long-term layoffs and to find alternative employment for workers who are laid off.

## GIS versus other plans

There are two basic ways to ensure employment security. The first, and most straightforward, is to guarantee jobs directly, as in the case of contractual manning levels. In practice, these guarantees are difficult for workers to secure because they pose considerable risk to firms facing uncertain product markets. According to a June 1982 Business Week poll, only 2 percent of the firms surveyed were willing to provide explicit employment guarantees even in return for union concessions on other issues. ${ }^{3}$ The most noteworthy of such agreements, the lifetime employment experiment introduced in the auto industry in 1982, covers relatively few workers in a small number of plants. giving rise to the possibility that these jobs will be guaranteed at the expense of employment and production opportunities at noncovered automaking facilities.

The second and more common method for addressing the problem of unemployment is through income maintenance plans. These protect workers' income from employment adjustments and provide financial incentives for firms to minimize layoffs. The most important of these are supplemental unemployment benefit plans (SUBS), which are a contractual form of unemployment insurance with perfect experience rating-each employer bears the total cost of unemployment benefits for its workers. ${ }^{4}$ (State-sponsored plans, in contrast, involve cross-subsidization because an

[^3]
[^0]:    Note: Because of rounding, sums of individual stems may not equal totals

[^1]:    ${ }^{1}$ Data not shown where base is less than 75,000 .

[^2]:    ${ }^{1}$ Data in this report are based primarily on supplementary questions in the October 1983 Current Population Survey (CPS), conducted and tabulated for the Bureau of Labor Statistics by the Bureau of the Census. Most data relate to persons 16 to 24 years of age in the civilian noninstitutional population in the week ending Oct. 15, 1983.

    Sampling variability may be relatively large in cases where the numbers are small. Small estimates, or small differences between estimates, should be interpreted with caution. For the most recent report in this series, see Anne McDougall Young, "Youth labor force marked turning point in 1982." Monthly Labor Review, August 1983, pp. 29-32, reprinted with additional tabular data and explanatory notes as Bulletin 2192 (Bureau of Labor Statistics, December 1983).
    ${ }^{2}$ High School and Beyond (HS\&B) is a national longitudinal study of high school students being conducted by the National Center for Education Statistics (NCES).
    ${ }^{3}$ Packaging of Grants, Loans, and Earnings for Financing Postsecondary Education, Bulletin 83-2206 (National Center for Education Statistics, February 1984).
    ${ }^{4}$ Samuel S. Peng, High School Dropouts: Descriptive Information from High School and Beyond, Bulletin 83-221b (National Center for Education Statistics, November 1983.)

[^3]:    Peter Cappelli is an assistant professor at the Institute of Labor and Industrial Relations, University of Illinois at Urbana-Champaign.

