

Article from:

Pension Section News

October 1999 – Issue No. 41



PENSION SECTION NEWS

NUMBER 41 OCTOBER 1999

"Volunteers Needed, Please" Chairperson's Corner

by Amy S. Timmons

ineteen percent of the members of the Pension Section Council voted in its recent election—higher than the general population turnout for elections, lower than I would like for an organization that has a significant impact on our profession and its "new recruits."

The new exam syllabus needs volunteer writers, reviewers, and instructors. Pension expertise is particularly important since our specialty is so unlike the insurance industry. We need involvement in overseeing the pension candidate's educational requirements to become a Fellow of the Society of Actuaries.

Knowledgeable, articulate speakers are needed for meetings of the Society of Actuaries, the American Academy of Actuaries, the Enrolled Actuaries, and other continuing education opportunities required to keep our certifications.

Committees on professional

(continued on page 3, column 1)

OASDI Trust Fund: Principal Economic and Demographic Assumptions

Editor's Note: The following excerpt is taken from Section II.D, "Actuarial Analysis," in the 1999 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds. Copies of the OASDI 1999 Annual Report are available from Cece Enders (410-965-3015).

he future income and outgo of the OASDI program depend on many economic and demographic factors, including gross domestic product, labor force, unemployment, average earnings, productivity, inflation, fertility, mortality, net immigration, marriage, divorce, retirement patterns, and disability incidence and termination. The income will depend on how these factors affect the size and composition of the working population and the level and distribution of earnings. Similarly, the outgo will depend on how these factors affect the size and composition of the beneficiary population and the general level of benefits.

Because projections of these variables are inherently uncertain, estimate are shown in this report on the basis of three sets of assumptions, designated as intermediate (alternative II), low cost (alternative I), and high cost (alternative III). The intermediate set, alternative II, represents the Boards' best estimate of the future course of the population and the economy. In terms of the new effect on the status of the OASDI program, the low cost alternative I is the most optimistic, and the high cost alternative III is the most pessimistic of the plausible economic and demographic conditions.

The economic and demographic assumptions used in this report are reexamined each year in light of recent experience and new information about future trends and are revised if warranted. This year, there was a particular need for such a review because of changes in the calculation of the CPI by the Bureau of Labor Statistics (BLS). These changes were announced last April, too late to incorporate into the 1998 report.

(continued on page 4, column 1)

In This Issue

in Inis Issue									
page	page	page							
Special Report OASDI Trust Fund: Principal Economic and Demographic Assumptions	Chairperson's Corner by Amy S. Timmons	IRC Section 415 (e)							

OASDI Trust Fund

continued from page 1

Although the three sets of economic and demographic assumptions have been developed using the best available information, the resulting estimates should be interpreted with care. The estimates are not intended to be predictions of the future status of the OASDI program, but

Economic Assumptions

The principal economic assumptions for the three alternatives are summarized in Table II.D1 (See page 5).

Alternatives I, II, and III represent a range of economic assumptions designed to produce variation in Social Security's effect on the long-range estimates of financial status.

Demographic Assumptions

The principal demographic assumptions for the three alternatives are shown in Table II.D2 (see page 6).

"The estimates are not intended to be predictions of the future status of the OASDI program, but rather, they are intended to be indicators of the trend and potential range of future income and outgo...."

rather, they are intended to be indicators of the trend and potential range of future income and outgo, under a variety of plausible economic and demographic conditions.

The values for each of the economic and demographic factors are assumed to move from recently experienced levels or trends, toward long-range ultimate values over the next 5 to 30 years. The ultimate values assumed after the first 5 to 30 years for both the economic and demographic variables are intended to represent average experience or growth rates. Actual future values will exhibit fluctuations or cyclical patterns, as in the past.

financial status that should encompass most of the possibilities that might be encountered. The intermediate assumptions (alternative II) represent the Trustees' consensus expectation of moderate economic growth through the projection period. The low cost assumptions (alternative I) represent a more optimistic outlook, with relatively stronger economic growth. The high cost assumptions (alternative III) represent a relatively pessimistic forecast, with weaker economic growth and two recessions in the short-range period. Economic cycles are not included in assumptions beyond the first five to ten years of the projection period because they have little

Increases in CPI reduced by 20
Basis Points: "...in mid-April 1998, after careful analysis, the Bureau of Labor Statistics (BLS) announced an improvement in the method of calculat ing the CPI....This change is expected to lower the future annual growth rate of the CPI by 0.2 percentage point.... The effect of this change has been incorporated into the intermediate, low cost and high cost assumptions for the 1999 Trustees Report."

Editor's Note: The 1998 Annual Report used 2.5%, 3.5% and 4.5% for the CPI increases in Low-Cost, Intermediate, and High-Cost Alternatives, respectively. The OASDI 1999 Annual Report used 2.3%, 3.3% and 4.3% for the CPI increases in Low-Cost, Intermediate, and High-Cost Alternatives, respectively.

Newly-Elected Pension Section Council Members

- Paul Angelo, The Segal Company, San Francisco, CA
- · Thomas B. Lowman, Bolton Offutt Donovan, Inc., Baltimore, MD
- · John F. Wade, National Rural Electric Cooperatives Association, Arlington, VA
- * All have been elected to three-year terms.

TABLE II.D1 Selected Economic Assumptions by Alternative Calendar Years 1960-2075

		ual Percentage ge In-)		Average Annual Percentage (Change In-)			
Calendar Year	Average Annual Wage in Covered Employment	Consumer Price Index *	Real Wage Differential t (Percent)	Calendar Year	Average Annual Wage in Covered Employment	Consumer Price Index *	Real Wage Differential t (Percent)
Historical Data: 1960-64 1965-69 1970-74 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	3.4 6.1 6.6 6.7 8.5 6.8 11.6 9.8 6.7 10.8 6.3 4.2 6.0 6.0 4.6 4.6 5.3 3.9 5.1 3.0 4.9 1.9 3.4 + 4.0 + 4.5 + 5.7 + 5.7 +	1.2 3.9 6.2 9.1 5.7 6.5 7.7 11.4 13.4 10.3 6.0 3.5 3.5 3.5 3.5 4.0 4.8 5.2 4.1 2.9 2.8 2.5 2.9 2.9 2.3 1.3	2.2 2.2 0.4 -2.4 2.8 0.3 3.9 -1.6 -6.7 0.6 0.3 1.2 2.5 2.6 3.0 1.0 1.3 -0.9 -0.1 -1.1 2.0 -0.9 1.0 1.1 4.4	Low Cost: 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2010 2020 2030 2040 2050 2060 2070 2075	3.4 3.3 3.5 3.4 3.6 3.7 3.6 3.8 3.8 3.8 3.7 3.7 3.7 3.7 3.7	1.8 1.9 2.1 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	1.6 1.4 1.5 1.3 1.4 1.4 1.3 1.3 1.5 1.5 1.5 1.4 1.4 1.4 1.4
Intermediate: 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2010 2020 2030 2040 2050 2060 2070 2075	2.9 3.0 3.4 3.5 3.7 3.9 4.1 4.1 4.2 4.3 4.3 4.2 4.2 4.2 4.2 4.2 4.2 4.2	1.9 2.1 2.5 2.6 2.7 3.0 3.1 3.2 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3	1.0 0.9 0.9 0.9 1.0 0.9 1.0 1.0 1.0 0.9 0.9 0.9 0.9	High Cost: 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2010 2020 2030 2040 2050 2060 2075	3.2 2.8 6.5 6.3 2.4 5.5 5.4 4.8 4.7 4.7 4.7 4.7 4.7 4.7	2.5 3.7 5.4 6.0 4.1 4.2 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3	0.7 -0.9 1.1 0.3 -1.7 1.4 1.1 0.6 0.4 0.4 0.4 0.5 0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4

^{*} The Consumer Price Index is the annual average value of the calendar year of the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

t The real-wage differential is the difference between the percentage increases, before rounding, in (1) the average wage in covered employment, and (2) the average annual Consumer Price Index.

Preliminary. Wages in covered employment are considered preliminary for several years primarily due to uncertainty associated with estimates of amounts above the benefit and contribution base.

OASDI Trust Fund

continued from page 5

TABLE II.D2 Selected Demographic Assumptions by Alternative Calendar Years 1940-2075

	Life Expectancy * (At Age 65)			Life Expectancy * (At Age 65)		
Calendar Year	Male	Female	Calendar Year	Male	Female	
Historical Data: 1940 1945 1950 1955 1960	11.9 12.6 12.8 13.1 12.9	13.4 14.4 15.1 15.6 15.9	Low Cost: 1999 2000 2005 2010	15.7 15.7 15.7 15.8	19.1 19.1 18.9 18.8	
1965 1970 1975 1976 1977	12.9 13.1 13.7 13.8 13.9	16.3 17.1 18.0 18.1 18.3	2015 2020 2025 2030	15.8 15.9 16.0 16.0	18.8 18.8 18.9 19.0	
1978 1979 1980 1981 1982	14.0 14.2 14.0 14.2 14.5	18.3 18.6 18.4 18.6 18.8	2035 2040 2045 2050	16.1 16.2 16.3 16.3	19.1 19.1 19.2 19.3	
1983 1984 1985 1986 1987	14.3 14.4 14.4 14.5 14.6	18.6 18.7 18.6 18.7 18.7	2055 2060 2065 2070 2075	16.4 16.5 16.5 16.6 16.7	19.4 19.4 19.5 19.6 19.7	
1988 1989 1990 1991 1992	14.6 14.8 15.0 15.1 15.2	18.7 18.9 19.0 19.1 19.2				
1993 1994 1995 1996 1997 t 1998 t	15.1 15.3 15.3 15.4 15.9 15.7	19.0 19.0 19.0 19.0 19.1 19.2	High Cost: 1999 2000 2005 2010	15.8 15.9 16.4 16.8	19.3 19.4 19.8 20.1	
Intermediate: 1999 2000 2005 1010 2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065 2070 2075	15.8 15.8 16.1 16.3 16.5 16.7 16.9 17.1 17.3 17.5 17.7 17.9 18.1 18.3 18.5 18.7	19.2 19.2 19.4 19.5 19.6 19.8 20.0 20.2 20.5 20.7 20.9 21.1 21.3 21.5 21.7 21.9 22.1	2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065 2070 2075	17.2 17.6 18.0 18.4 18.8 19.1 19.5 19.9 20.3 20.7 21.1 21.5 21.9	20.5 20.9 21.3 21.7 22.1 22.5 22.9 23.3 23.7 24.0 24.4 24.8 25.2	

^{*} The life expectancy for any year is the average of years of life remaining for a person if that person were to experience the death rates by age observed in, or assumed for, the selected year.

t Preliminary or estimated.