

1990 ANNUAL REPORT OF THE FEDERAL OLD-AGE  
AND SURVIVORS INSURANCE AND DISABILITY IN-  
SURANCE TRUST FUNDS

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COMMUNICATION

FROM

THE BOARD OF TRUSTEES, THE FEDERAL  
OLD-AGE AND SURVIVORS INSURANCE  
AND DISABILITY INSURANCE TRUST  
FUNDS

TRANSMITTING

THE 1990 ANNUAL REPORT OF THE BOARD OF TRUSTEES OF THE  
FEDERAL OLD-AGE AND SURVIVORS INSURANCE AND DISABIL-  
ITY INSURANCE TRUST FUNDS, PURSUANT TO 42 U.S.C. 201(c)(2)



APRIL 19, 1990.—Referred to the Committee on Ways and Means and  
ordered to be printed

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U.S. GOVERNMENT PRINTING OFFICE

# LETTER OF TRANSMITTAL

BOARD OF TRUSTEES OF THE  
FEDERAL OLD-AGE AND SURVIVORS INSURANCE  
AND DISABILITY INSURANCE TRUST FUNDS,  
Washington, D.C., April 18, 1990

HONORABLE THOMAS S. FOLEY  
Speaker of the House of Representatives  
Washington, D.C.

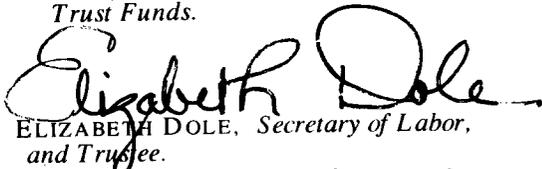
HONORABLE DAN QUAYLE  
President of the Senate  
Washington, D.C.

GENTLEMEN: We have the honor of transmitting to you the 1990 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance Trust Fund and the Federal Disability Insurance Trust Fund (the 50th such report), in compliance with section 201(c)(2) of the Social Security Act.

Respectfully,



NICHOLAS F. BRADY, *Secretary of the Treasury, and Managing Trustee of the Trust Funds.*



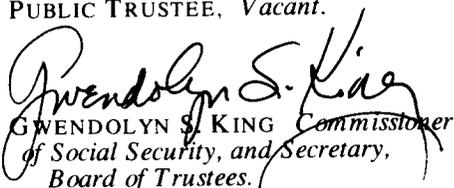
ELIZABETH DOLE, *Secretary of Labor, and Trustee.*



LOUIS W. SULLIVAN, M.D., *Secretary of Health and Human Services, and Trustee.*

PUBLIC TRUSTEE, *Vacant.*

PUBLIC TRUSTEE, *Vacant.*



GWENDOLYN S. KING, *Commissioner of Social Security, and Secretary, Board of Trustees.*

**1990 ANNUAL REPORT OF  
THE BOARD OF TRUSTEES OF THE  
FEDERAL OLD-AGE AND SURVIVORS  
INSURANCE  
AND DISABILITY INSURANCE TRUST FUNDS**

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**COMMUNICATION**

**FROM**

**THE BOARD OF TRUSTEES, FEDERAL  
OLD-AGE AND SURVIVORS  
INSURANCE  
AND DISABILITY INSURANCE TRUST  
FUNDS**

**TRANSMITTING**

**THE 1990 ANNUAL REPORT OF THE BOARD,  
PURSUANT TO  
SECTION 201(c)(2) OF THE SOCIAL SECURITY ACT,  
AS AMENDED**

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# 1990 ANNUAL REPORT OF THE BOARD OF TRUSTEES OF THE FEDERAL OLD-AGE AND SURVIVORS INSURANCE AND DISABILITY INSURANCE TRUST FUNDS

## SUMMARY

### *Highlights*

During calendar year 1989, the combined assets of the Old-Age and Survivors Insurance (OASI) and Disability Insurance (DI) Trust Funds increased by \$53.2 billion, reflecting, in part, the continuing growth in the economy. This growth in assets consisted of increases of \$52.2 billion in the OASI Trust Fund and \$1.0 billion in the DI Trust Fund. Both of these increases were significantly larger than the corresponding increases in the previous calendar year, which amounted to \$40.7 billion and \$0.2 billion, for the OASI and DI Trust Funds, respectively.

The trust funds are expected to continue growing for many years into the future. Based on intermediate assumptions, the combined trust funds are estimated to reach a level of about 4 to 6 times annual outgo in the next 20 to 30 years. Even if future experience is very adverse, the combined funds are estimated to increase to nearly 2 times annual outgo during the next 15 to 20 years. However, under such adverse conditions, the assets of the DI Trust Fund could decline to such a low level that financial problems with that fund would occur before the end of this decade. Thus, the DI program needs careful monitoring in the short range.

The long-range 75-year estimates indicate that, under the intermediate assumptions, the OASDI program will experience about 25 to 30 years of positive annual balances, with continuing annual deficits thereafter. Based on the intermediate alternative II-A assumptions, the positive balances in the first part of the 75-year projection period nearly offset the later deficits, so that the program, as a whole, has an actuarial deficit of 0.31 percent of taxable payroll. Based on the intermediate alternative II-B assumptions, the OASDI program has larger future deficits that yield an actuarial deficit of 0.91 percent of taxable payroll, which is 0.21 percent larger than in the 1989 report. The deficit of 0.91 percent results from an estimated income rate of 13.04 percent of taxable payroll over the 75-year projection period (including beginning trust fund balances), which is 93.5 percent of the estimated 13.95-percent cost rate. The program has traditionally been considered to be adequately financed over the next 75 years when the long-range income rate is between 95 percent and 105 percent of the long-range cost rate. However, because the estimates based on the same assumptions indicate that the program is solvent for the next 20 to 30 years, the Trustees do not recommend that any immediate action be taken to change either the financing or the benefit provisions for the OASDI program. The Board does recommend continued extensive study of possible ways to address the long-range

deficits, as well as the implications of the expected large buildup of the trust funds. The current Advisory Council on Social Security, which is mentioned below, is examining these issues and is scheduled to report its recommendations in January 1991.

During the first part of the long-range projection period, the combined OASI and DI Trust Funds are expected to accumulate rapidly to a peak fund ratio of 476 percent of annual outgo in the year 2014, based on the alternative II-B assumptions. Thereafter, the fund ratio is estimated to decline until the funds are exhausted in 2043, or 3 years earlier than estimated in last year's report. Thus, according to the alternative II-B estimates, the OASDI program will have enough funds to cover expenditures for more than 50 years into the future.

For OASI and DI, separately, the long-range actuarial balances, based on the alternative II-A assumptions, are deficits of 0.15 percent and 0.16 percent of taxable payroll, respectively. Based on the alternative II-B assumptions, the programs have actuarial deficits which are 0.69 percent and 0.22 percent of taxable payroll, respectively. Because of the size of the DI deficit, relative to its cost rate, the DI program needs careful monitoring in the long-range period, as well as in the short-range period.

The appointment of an Advisory Council on Social Security was announced by the Secretary of Health and Human Services in June 1989. Under the Social Security Act, the Advisory Council is to study and review the status of the Social Security cash benefit and Medicare programs. The Council is scheduled to submit its recommendations to the Secretary Of Health and Human Services in January 1991.

### *1. Program Description*

The OASDI program consists of two separate parts which pay monthly benefits to workers and their families:

- (1) Old-Age and Survivors Insurance (OASI) pays benefits after a worker retires and to survivors after a worker dies.
- (2) Disability Insurance (DI) pays benefits after a worker becomes disabled.

The Board of Trustees of the trust funds is required by law to report annually to the Congress on the financial condition of the funds and on estimated future results. The Board is composed of five members, three of whom serve in an ex officio capacity: the Secretaries of the Treasury, Labor, and Health and Human Services. The other two positions, for which nominations are pending, are for members of the public.

Most OASDI revenue consists of contributions paid by employees, their employers, and the self-employed. (Additional contributions are paid into a separate trust fund for the Hospital Insurance part of Medicare. This summary focuses on OASDI and does not discuss Medicare.) The contribution rates are established by law. Contributions are paid on earnings not exceeding the earnings base—\$51,300 in 1990.

The earnings base will rise in the future as average wages increase. The current and scheduled future OASI and DI contribution rates for employees and employers, each, are shown below (as percentages):

Year	OASI	DI	Total
1990-99.....	5.60	0.60	6.20
2000 and later.....	5.49	.71	6.20

Since 1984, a portion (not more than one-half) of OASDI benefits received by higher income beneficiaries is subject to Federal income taxation. The revenues collected as a result of this provision are transferred from the general fund of the Treasury to the trust funds.

The outgo of the OASI and DI Trust Funds consists of benefit payments and administrative expenses. Trust fund assets may not be used for any other purposes.

During periods when outgo temporarily exceeds income, trust fund assets are used to meet the shortfall. In the event of recurring shortfalls, the trust funds can allow time for legislation to be enacted to restore balance to the program. The assets of the trust funds are invested in U.S. Government securities bearing rates of interest similar to those for long-term securities issued to the general public.

## 2. Recent Results

During 1989, about 132 million workers made contributions to the OASDI program. At the end of September 1989, 39.0 million persons were receiving monthly benefits under the OASDI program. Administrative expenses represented about 1.1 percent of benefit payments in fiscal year 1989.

Income to the OASI and DI Trust Funds in fiscal year 1989 was \$284.9 billion, while outgo was \$232.5 billion. Thus, the assets of the combined funds increased by \$52.4 billion during the fiscal year. A summary of the OASDI financial operations in fiscal year 1989 is shown below (in billions):

Trust fund assets at end of fiscal year 1988 .....	\$104.2
Income during year:	270.8
Contributions.....	3.8
Revenue from taxation of benefits.....	10.3
Net interest.....	284.9
Total income.....	
Outgo during year:	227.1
Benefit payments.....	2.4
Administrative expenses.....	2.9
Transfer to Railroad Retirement program.....	232.5
Total outgo.....	
Net increase in assets during year .....	52.4
Trust fund assets at end of fiscal year 1989 .....	156.7

Note: Totals may not equal sums of components, due to rounding.

### 3. Actuarial Estimates

The annual report contains 75-year estimates of each fund's financial operations and status. Because precise prediction of the future is impossible, alternative sets of assumptions, representing a reasonable range of possible future experience, are used to make short-range and long-range estimates. Future experience could, however, fall outside the range indicated by these assumptions.

Future OASDI income and outgo will depend on a variety of economic and demographic factors, including economic growth, inflation, unemployment, fertility, and mortality. These factors affect the levels of workers' earnings and OASDI benefits, as well as the numbers of people making contributions and receiving benefits.

The estimates in this report were prepared using four alternative sets of assumptions. Two sets—alternatives II-A and II-B—are designated "intermediate." Both intermediate sets share the same demographic assumptions, but differ with respect to economic assumptions; somewhat more robust economic growth is assumed for alternative II-A than for alternative II-B. One set—alternative I—is designated as "optimistic," and another—alternative III—is designated as "pessimistic."

No single measure is used to assess the actuarial status of the OASDI funds. Short-range measures usually focus on the adequacy of reserves available to pay benefits. Long-range measures usually focus on the balance between income and outgo during the projection period as well as the adequacy of the reserves.

The *contingency fund ratio* is the usual measure of the OASDI program's ability to pay benefits on time in the near future. This ratio is the amount in the trust funds at the beginning of the year, including advance tax transfers for January, divided by that year's expenditures. Thus, if the trust fund ratio is 50 percent, the amount in the fund represents about 6 months' outgo. A ratio of at least 8 to 9 percent is required to pay benefits at the beginning of each month. At the beginning of 1990, the fund ratio for OASDI was about 74 percent.

In analyzing the actuarial status of OASDI for the next 75 years, several different measures are commonly used. The annual *income rate* is the combined OASDI employee-employer contribution rate scheduled in the law, plus the income from taxation of benefits, expressed as a percentage of taxable payroll. The annual *cost rate* is the annual outgo expressed as a percentage of taxable payroll. The annual balance, which is the difference between the annual income rate and the annual cost rate, measures the adequacy of funding in each year of the long-range projection period. If the difference is negative, the annual balance is a deficit. The level and pattern of annual positive balances and annual deficits during various periods of time within the next 75 years measure the financial strength of the program over such periods.

If a trust fund becomes exhausted during the projection period, the year in which the exhaustion occurs is an important measure of the financial condition of the fund.

Summarized income and cost rates over the 75-year projection period can be compared directly to measure the adequacy of the program's

overall level of financing during the entire long-range period. The summarized income and cost rates reflect the full effect of interest. In addition, the trust fund balance at the beginning of the projection period, expressed as a percentage of taxable payroll, is included in the summarized income rate for the 75-year period.

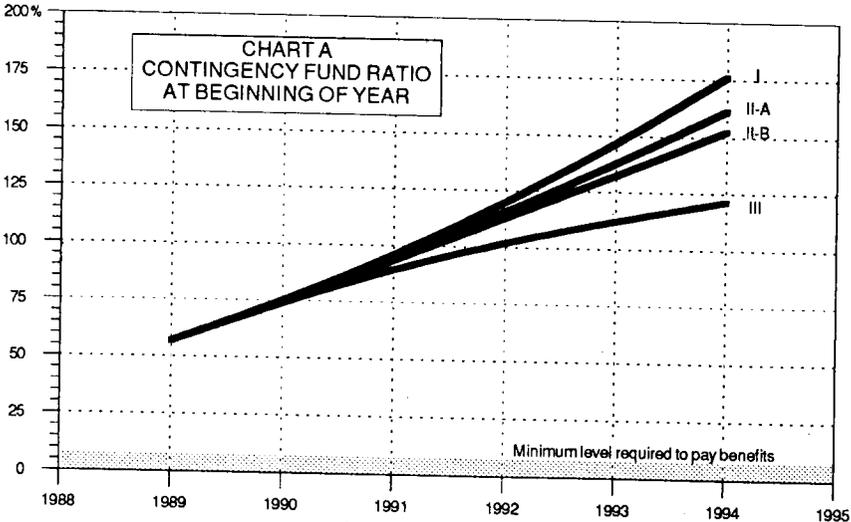
The *actuarial balance* for the 75-year long-range projection period, is the difference between the summarized estimated income rate and the summarized estimated cost rate. If this actuarial balance is negative, the program is said to have an actuarial deficit. Such a deficit is a warning that future changes may be needed in the program's financing or benefit provisions, although it does not present a complete picture without the other measures of financing discussed here.

#### *4. Short-Range Financing (1990-94)*

Estimates for the next 5 years are used to assess the adequacy of OASDI financing in the short range. In this period, the numbers of persons receiving OASDI benefits can be estimated fairly accurately. Changes in the national economy, however, which are difficult to predict, can have major effects on income and outgo.

The actuarial estimates shown in the 1990 report indicate that the combined assets of the OASI and DI Trust Funds will be sufficient to pay OASDI benefits on time throughout the 5-year period and for many years thereafter, based on all four sets of assumptions. The contingency fund ratio for the combined funds is estimated to reach at least 150 percent by the beginning of 1994 under both alternatives II-A and II-B. In addition, the estimates based on alternatives I, II-A, and II-B indicate that the OASI and DI programs, separately, can operate satisfactorily for many years. During the next 9 years, however, if experience is very adverse, such as under alternative III, the assets of the DI Trust Fund could decline to such a low level that financial problems would occur.

Chart A shows the OASDI contingency fund ratio for 1989 and the estimated OASDI ratios for 1990-94, on the basis of all four sets of assumptions. The fund ratios for the combined trust funds are estimated to increase each year.



10 years →

### 5. Long-Range Financing (1990-2064)

Long-Range 75-year estimates for OASDI, although sensitive to variations in the assumptions, indicate the trend and general range of the program's future financial status. During this long-range period, income and outgo are greatly affected by demographic, as well as economic, conditions. Most of the beneficiaries during the next 75 years have already been born, so that their numbers are projected mainly from the present population. The numbers of workers involved in these projections, however, depend largely on future birth rates, which are subject to more variability.

Several important demographic trends are anticipated, which will raise the proportion of the aged in the population during the next 75 years. First, because of the large number of persons born in the two decades after World War II, rapid growth is expected in the aged population after the turn of the century. Second, assumed declines in death rates would increase the numbers of aged persons more gradually, but on a permanent basis. At the same time, birth rates, which began to decline in the 1960s and are assumed to remain relatively low in the future, would hold down the numbers of young people.

Chart B shows the long-range trend in the number of covered workers per OASDI beneficiary. (The term “beneficiary” includes not only retired workers, but also disabled workers, spouses, children, and survivor beneficiaries.) Based on the intermediate assumptions, this ratio is estimated to decline gradually from 3.4 in 1989 to 3.0 in 2010. From 2010 to 2030, the estimated ratio falls rapidly to 2.0 as the number of beneficiaries increases more rapidly than the number of covered workers. After 2030, the ratio is estimated to decline gradually.

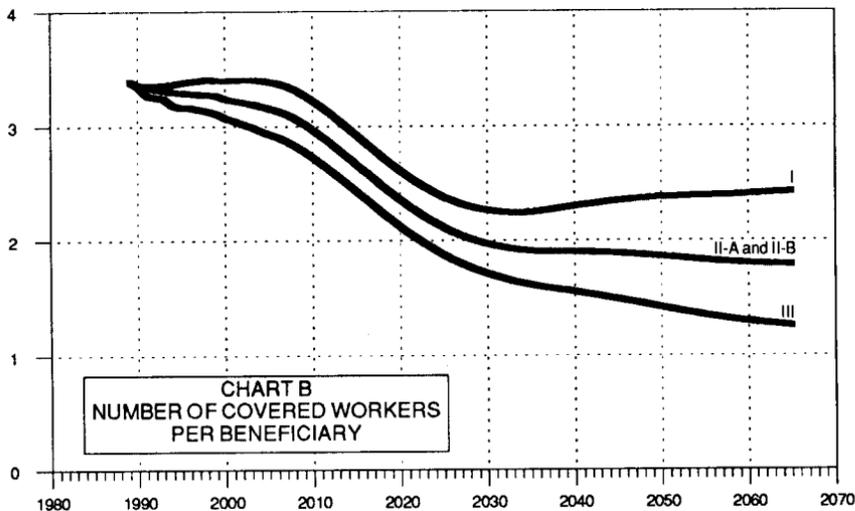


Chart C shows the estimated OASDI income and cost rates for the long-range projection period. During the first three decades of this period, the estimates indicate that the income rate will generally exceed the cost rate, resulting in substantial positive balances each year. Beginning about 2020, the reverse is true for all but the optimistic assumptions, with the cost rate exceeding the income rate, thus resulting in substantial deficits. These positive balances and deficits do not reflect interest earnings, which result in trust fund growth continuing for about 10 years after the first actuarial deficits occur. The cost rate is estimated to increase rapidly after the first half of the 75-year projection period, primarily because the number of beneficiaries is projected to increase more rapidly than the number of covered workers.

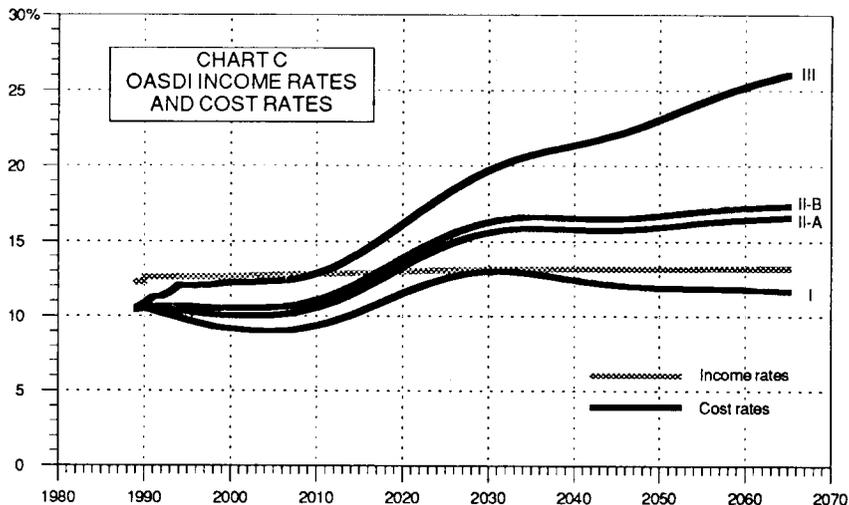
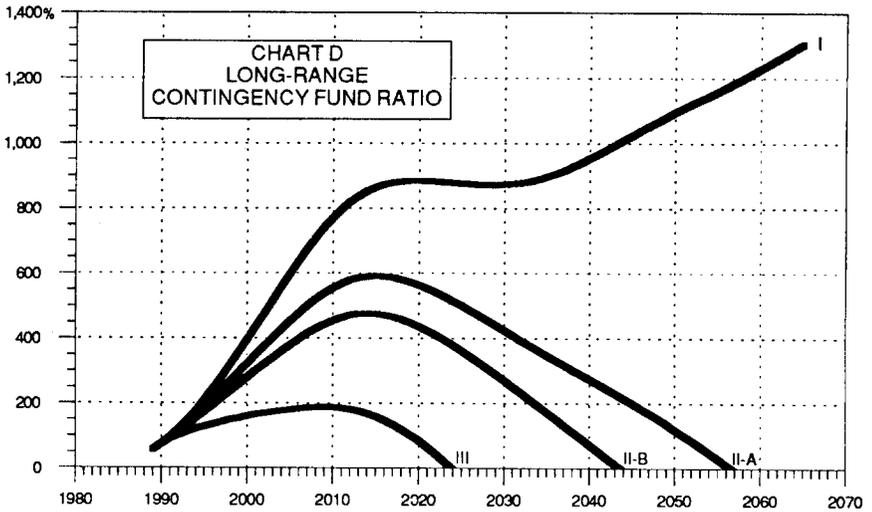


Chart D shows the projected OASDI contingency fund ratios for the 75-year period. The ratio rises steadily and reaches 476 percent in 2014, based on the intermediate alternative II-B assumptions; then the ratio declines until the combined funds are exhausted in 2043. The importance of the trust funds' accumulation of reserves is emphasized by Chart D. As the chart shows, the build-up in the reserves will be needed later on to pay benefits to the increasing numbers of retired persons who were born in the high birth-rate years from the mid-1940s to the mid-1960s.



The table below presents a comparison of the annual income and cost rates for the 75-year long-range projection period, based on the four sets of assumptions. The figures are expressed as percentages of taxable payroll.

Assumptions	Income rate	Cost rate	Actuarial balance
Optimistic I.....	12.91	11.15	1.76
Intermediate II-A.....	13.01	13.32	-.31
Intermediate II-B.....	13.04	13.95	-.91
Pessimistic III.....	13.19	17.06	-3.87

Note: Income rate, cost rate, and actuarial balance are defined in the text.

The long-range OASDI actuarial deficit of 0.91 percent of taxable payroll, based on the intermediate II-B assumptions, results from an income rate of 13.04 percent of taxable payroll over the 75-year period (including beginning trust fund balances) and a cost rate of 13.95 percent over the period. In the absence of other changes, the long-range actuarial balance will tend to worsen slowly in future annual reports, as the valuation period moves forward and additional distant years of deficit are included in the valuation. The actuarial deficits in the later years of the 75-year projection period are caused primarily by the demographic trends described above, in combination with a flat contribution rate schedule.

## **I. THE BOARD OF TRUSTEES**

The Federal Old-Age and Survivors Insurance Trust Fund and the Federal Disability Insurance Trust Fund are held by the Board of Trustees under the authority of section 201(c)(1) of the Social Security Act. The Board is composed of five members, three of whom serve in an ex officio capacity: the Secretary of the Treasury, the Secretary of Labor, and the Secretary of Health and Human Services. The other two positions, for which nominations are pending, are for members of the public.

By law, the Secretary of the Treasury is designated as the Managing Trustee, and the Commissioner of Social Security is designated as the Secretary of the Board. The Board of Trustees reports to the Congress each year on the operations and status of the trust funds, in compliance with section 201(c)(2) of the Social Security Act. This annual report, for 1990, is the 50th such report.

## **II. ADVISORY COUNCIL ON SOCIAL SECURITY**

The Secretary of Health and Human Services on June 19, 1989, announced the appointment of an Advisory Council on Social Security under the provisions of section 706 of the Social Security Act. The Council consists of a Chair and 12 members representing employers and employees, self-employed persons, and the public.

Under the law, the Social Security Advisory Council is charged with making a comprehensive study of the status of the Social Security cash benefit and Medicare programs. This study is to include an examination of the financial status of the trust funds in relation to the long-term commitments of the programs, benefit levels, the scope of coverage, and other aspects of the programs, including their impact on public assistance.

The Council is scheduled to submit its final recommendations to the Secretary of Health and Human Services in January 1991. The Council's final report will then be transmitted by the Secretary to the Congress and to the Board of Trustees of each of the trust funds. The Council's recommendations with respect to the old-age and survivors insurance and disability insurance program will be included in a later annual report of the Board of Trustees.

### III. SOCIAL SECURITY AMENDMENTS SINCE THE 1989 REPORT

Since the 1989 Annual Report was transmitted to the Congress on April 24, 1989, only one law affecting the OASDI program in a significant way has been enacted. The Omnibus Budget Reconciliation Act of 1989 (Public Law 101-239, enacted into law on December 19, 1989) included a number of provisions affecting the OASDI program. The more important legislative changes, from an actuarial standpoint, are described below.

1. Extends for 1 year the provision that enables disability beneficiaries, whose benefits would otherwise be terminated due to a determination of medical cessation of disability, to have their benefits temporarily continued while they are appealing that cessation decision. Under the provision, benefits may be continued until an administrative law judge makes a decision on the appeal. The provision was extended to include determinations made prior to January 1, 1991. However, benefits may not be continued under this provision beyond June 1991.
2. Excludes catastrophic health insurance "maintenance of effort" payments in 1989 and 1990 from average wage calculations and from coverage and taxation. These payments were refunds to employees for the value of certain health insurance protection that duplicated benefits under the catastrophic health insurance provisions. (The provision is moot for 1990, however, since the Medicare Catastrophic Coverage Repeal Act of 1989 repealed the "maintenance of effort" requirements with respect to duplicate benefits after 1989.)
3. Eliminates the "carryover" reduction in retirement and disability benefits due to receipt of reduced widow(er)'s benefits prior to age 62. (Any reduction in the retirement benefit due to receipt of retirement benefits before the normal retirement age was computed independently based on age at first receipt of retirement benefits.) The provision is effective prospectively—for persons reaching age 62 in 1990 and later and, in the case of disability, becoming disabled in 1990 and later.
4. Provides for including certain "deferred compensation" (e.g., income-tax-deferred contributions under Section 401(k) of the Internal Revenue Code) in calculating average wages for indexing purposes under the Social Security program. Although deferred compensation was generally covered under Social Security beginning in 1984, it has not been reflected in the determination of the average wage index which is used to adjust various program amounts. Specifically, the law provides that beginning with the measurement of average wages for 1990, deferred compensation will be included. Then, beginning with program amounts for 1993 (which will be determined by using the percentage increase in average wages from 1990 to 1991), the year-to-year growth in average wages, including deferred compensation, will be used to automatically adjust those program amounts that are indexed to average wages. In addition, special transitional provisions apply for determining the contribution and

benefit base for the years 1990-92. In determining the base for 1990, the average wage increase from 1987 to 1988 is deemed to be 2 percentage points higher than the measured increase (which excludes the effect of deferred compensation). This resulted in a base of \$51,300 for 1990, instead of the \$50,400 amount determined before the change. The resulting additional 2-percent increase in the 1990 base was intended to represent the approximate cumulative effect of deferred compensation on the average wage since 1983. The base for 1991 will continue to reflect the 2-percent higher level. The base for 1992 will reflect the actual cumulative effect of deferred compensation, so that any difference from the 2-percent higher level will be reflected in the change from the 1991 base to the 1992 base.

5. Eliminates the special dependency tests for child's insurance benefits in the case of children who are adopted before age 18 by retired or disabled-worker beneficiaries so that these children are treated the same as natural children. The provision is effective for benefits payable for months after December 1989, based on applications filed on or after January 1, 1990.
6. Generally extends through September 30, 1990, certain exclusions from Social Security coverage of employer payments to, and benefits provided by, qualified employer-provided educational assistance programs and group legal services plans.

Detailed information regarding these changes and other less significant changes can be found in documents prepared by and for the Congress. The actuarial estimates shown in this report reflect the anticipated effects of these changes.

#### **IV. BASIS FOR TRUST FUND RECEIPTS AND EXPENDITURES**

The Federal Old-Age and Survivors Insurance Trust Fund was established on January 1, 1940, as a separate account in the United States Treasury. All the financial operations of the OASI program are handled through this fund. The Federal Disability Insurance Trust Fund is another separate account in the United States Treasury; it was established on August 1, 1956. All the financial operations of the DI program are handled through this fund.

The primary receipts of these two funds are amounts appropriated to each of them under permanent authority on the basis of contributions payable by workers, their employers, and individuals with self-employment income, in work covered by the OASDI program. Beginning January 1, 1987, these appropriated amounts include contributions paid by, or on behalf of, workers employed by State and local governments and by such employers, with respect to wages covered under the program through State agreements. (Prior to 1987, such contributions were collected by the State and deposited directly into the trust funds.) All employees, and their employers, in covered employment are required to pay contributions with respect to their wages. Employees, and their employers, are also required to pay contributions with respect to cash tips if their monthly cash tips amount to at least \$20. (Prior to 1988, employers were required to pay contributions on only that part of tip income deemed to be wages under the Federal minimum-wage law.) All self-employed persons are required to pay contributions with respect to their covered net earnings from self-employment. In addition to making the required employer contributions on the wages of covered Federal employees, the Federal Government also pays amounts equivalent to the employer and employee contributions that would be paid on deemed wage credits attributable to military service performed after 1956 if such wage credits were covered wages.

In general, an individual's contributions, or taxes, are computed on wages or net earnings from self-employment, or both wages and net self-employment earnings combined, up to a specified maximum annual amount. The contributions are determined first on the wages and then on any net self-employment earnings, such that the total does not exceed the annual maximum amount. An employee who pays contributions on wages in excess of the annual maximum amount (because of employment with two or more employers) is eligible for a refund of the excess employee contributions. The monthly benefit amount to which an individual (or his or her spouse and children) may become entitled under the OASDI program is based on the individual's taxable earnings during his or her lifetime. In computing benefits for almost all persons who first become eligible to receive benefits in 1979 or later, the earnings in each year are indexed to take account of increases in average wage levels. The maximum amount of earnings on which contributions are payable in a year, and which is also the maximum amount of earnings creditable in that year for benefit-computation purposes, is called the contribution and benefit base.

The contribution rates, or tax rates, applicable in each calendar year, and the allocation of the rates between the two trust funds, are shown in

table 1. For 1991 and later, the rates shown are those scheduled in present law. The contribution and benefit bases are also shown in table 1. The bases for 1975-78 were determined under the automatic-adjustment provisions in section 230 of the Social Security Act. The bases for 1979-81 were specified in the law, as amended in 1977. The bases for 1982-90 were again determined under the automatic-adjustment provisions, as will be the bases for 1991 and later. (The total contribution rates for the OASDI and Hospital Insurance programs combined, and for each program separately, are shown in table E 1, Appendix E.)

TABLE 1.—CONTRIBUTION AND BENEFIT BASE AND CONTRIBUTION RATES

Calendar years	Contribution and benefit base	Contribution rates (percent)					
		Employees and employers, each			Self-employed		
		OASDI	OASI	DI	OASDI	OASI	DI
1937-49.....	\$3,000	1.000	1.000	—	—	—	—
1950.....	3,000	1.500	1.500	—	—	—	—
1951-53.....	3,600	1.500	1.500	—	2.2500	2.2500	—
1954.....	3,600	2.000	2.000	—	3.0000	3.0000	—
1955-56.....	4,200	2.000	2.000	—	3.0000	3.0000	—
1957-58.....	4,200	2.250	2.000	0.250	3.3750	3.0000	0.3750
1959.....	4,800	2.500	2.250	.250	3.7500	3.3750	.3750
1960-61.....	4,800	3.000	2.750	.250	4.5000	4.1250	.3750
1962.....	4,800	3.125	2.875	.250	4.7000	4.3250	.3750
1963-65.....	4,800	3.625	3.375	.250	5.4000	5.0250	.3750
1966.....	6,600	3.850	3.500	.350	5.8000	5.2750	.5250
1967.....	6,600	3.900	3.550	.350	5.9000	5.3750	.5250
1968.....	7,800	3.800	3.325	.475	5.8000	5.0875	.7125
1969.....	7,800	4.200	3.725	.475	6.3000	5.5875	.7125
1970.....	7,800	4.200	3.650	.550	6.3000	5.4750	.8250
1971.....	7,800	4.600	4.050	.550	6.9000	6.0750	.8250
1972.....	9,000	4.600	4.050	.550	6.9000	6.0750	.8250
1973.....	10,800	4.850	4.300	.550	7.0000	6.2050	.7950
1974.....	13,200	4.950	4.375	.575	7.0000	6.1850	.8150
1975.....	14,100	4.950	4.375	.575	7.0000	6.1850	.8150
1976.....	15,300	4.950	4.375	.575	7.0000	6.1850	.8150
1977.....	16,500	4.950	4.375	.575	7.0000	6.1850	.8150
1978.....	17,700	5.050	4.275	.775	7.1000	6.0100	1.0900
1979.....	22,900	5.080	4.330	.750	7.0500	6.0100	1.0400
1980.....	25,900	5.080	4.520	.560	7.0500	6.2725	.7775
1981.....	29,700	5.350	4.700	.650	8.0000	7.0250	.9750
1982.....	32,400	5.400	4.575	.825	8.0500	6.8125	1.2375
1983.....	35,700	5.400	4.775	.625	8.0500	7.1125	.9375
1984 <sup>1</sup> .....	37,800	5.700	5.200	.500	11.4000	10.4000	1.0000
1985 <sup>2</sup> .....	39,600	5.700	5.200	.500	11.4000	10.4000	1.0000
1986.....	42,000	5.700	5.200	.500	11.4000	10.4000	1.0000
1987.....	43,800	5.700	5.200	.500	11.4000	10.4000	1.0000
1988.....	45,000	6.060	5.530	.530	12.1200	11.0600	1.0600
1989.....	48,000	6.060	5.530	.530	12.1200	11.0600	1.0600
1990.....	51,300	6.200	5.600	.600	12.4000	11.2000	1.2000
Rates scheduled in present law:							
1991-99.....	( )	6.200	5.600	.600	12.4000	11.2000	1.2000
2000 and later.....	( )	6.200	5.490	.710	12.4000	10.9800	1.4200

<sup>1</sup>In 1984 only, an immediate credit of 0.3 percent of taxable wages was allowed against the OASDI contributions paid by employees, resulting in an effective contribution rate of 5.4 percent. The appropriations of contributions to the trust funds, however, were based on the combined employee-employer rate of 11.4 percent, as if the credit for employees did not apply. Similar credits of 2.7 percent, 2.3 percent, and 2.0 percent were allowed against the combined OASDI and Hospital Insurance contributions on net earnings from self-employment in 1984, 1985, and 1986-89, respectively.

<sup>2</sup>Subject to automatic adjustment.

Beginning in 1990, self-employed persons are allowed a deduction, for purposes of computing their net earnings, equal to half of the combined OASDI and HI contributions that would be payable without regard to

the contribution and benefit base. The contribution rate is then applied to net earnings after this deduction, but subject to the base. This provision reduces contributions for those self-employed persons with earnings less than, or not greatly above, the contribution and benefit base.

All contributions, except for amounts received under State agreements for covered wages paid prior to January 1, 1987, are collected by the Internal Revenue Service and deposited in the general fund of the Treasury. The exact amount of contributions received is not known initially because the OASDI and HI contributions and individual income taxes are not separately identified in collection reports received by the Internal Revenue Service.

Amounts representing the estimated total collections of OASDI contributions by the IRS for each month are credited to the OASI and DI Trust Funds on the first day of the month. Because these estimated collections are credited to the trust funds on the first of the month, instead of throughout the month as contributions are actually received, the trust funds pay interest to the general fund to reimburse it for the interest costs attributable to these advance transfers. Periodic adjustments (principal only) are subsequently made to the extent that the estimates are found to differ from the amounts of contributions actually payable as determined from reported earnings. Adjustments are also made to account for any refunds to employees (with more than one employer) who paid contributions on wages in excess of the contribution and benefit base.

Beginning in 1984, a portion (not more than one-half) of OASDI benefits is subject to Federal income taxation under certain circumstances. The proceeds from this taxation of benefits are credited to the trust funds, in advance, on an estimated basis, at the beginning of each calendar quarter, with no reimbursement to the general fund for interest costs attributable to the advance transfers. Subsequent adjustments are made based on the actual amounts as shown on annual income tax records. The amounts appropriated from the general fund of the Treasury are allocated to the OASI and DI Trust Funds on the basis of the income taxes paid on the benefits from each fund. (A special provision applies to benefits paid to non-resident aliens. A flat-rate tax, usually 15 percent, is withheld from the benefits before they are paid and, therefore, remains in the trust funds.)

Another source of income to the trust funds is interest received on investments held by the trust funds. That portion of each trust fund which, in the judgment of the Managing Trustee, is not required to meet current expenditures for benefits and administration is invested, on a daily basis, in interest-bearing obligations of the U.S. Government (including special public-debt obligations described below), in obligations guaranteed as to both principal and interest by the United States, or in certain federally sponsored agency obligations that are designated in the laws authorizing their issuance as lawful investments for fiduciary and trust funds under the control and authority of the United States or any officer of the United States. These obligations may be acquired on original issue at the issue price or by purchase of outstanding obligations at their market price.

The Social Security Act authorizes the issuance of special public-debt obligations for purchase exclusively by the trust funds. The Act provides that these obligations shall bear interest at a rate equal to the average market yield (computed on the basis of market quotations as of the end of the calendar month next preceding the date of such issue) on all marketable interest-bearing obligations of the United States then forming a part of the public debt which are not due or callable until after the expiration of 4 years from the end of such calendar month. These special issues are always redeemable at par value and thus bear no risk with respect to the interest rate (i.e., risk due to price fluctuations).

Income is also affected by provisions of the Social Security Act for (1) transfers between the general fund of the Treasury and the OASI and DI Trust Funds for any adjustments to prior payments for the cost arising from the granting of noncontributory wage credits for military service prior to 1957, according to periodic determinations made by the Secretary of Health and Human Services; (2) annual reimbursements from the general fund of the Treasury to the OASI Trust Fund for any costs arising from the special monthly cash payments to certain uninsured persons—i.e., those who attained age 72 before 1968 and who generally are not eligible for cash benefits under other provisions of the OASDI program; and (3) the receipt of unconditional money gifts or bequests made for the benefit of the trust funds or any activity financed through the funds.

The major expenditures of the OASI and DI Trust Funds are for (1) OASDI benefit payments, net of any reimbursements from the general fund of the Treasury for unnegotiated benefit checks, and (2) expenses incurred by the Department of Health and Human Services and by the Department of the Treasury in administering the OASDI program and the provisions of the Internal Revenue Code relating to the collection of contributions. Such administrative expenses include expenditures for construction, rental and lease, or purchase of office buildings and related facilities for the Social Security Administration. The Social Security Act does not permit expenditures from the OASI and DI Trust Funds for any purpose not related to the payment of benefits or administrative costs for the OASDI program.

The expenditures of the trust funds are also affected by (1) costs of vocational rehabilitation services furnished as an additional benefit to disabled persons receiving cash benefits because of their disabilities where such services contributed to their successful rehabilitation, and (2) the provisions of the Railroad Retirement Act which provide for a system of coordination and financial interchange between the Railroad Retirement program and the Social Security program. Under these provisions, transfers between the Railroad Retirement program's Social Security Equivalent Benefit Account and the trust funds are made on an annual basis in order to place each trust fund in the same position in which it would have been if railroad employment had always been covered under Social Security.

The net worth of facilities and other fixed capital assets is not carried in the statements of the operations of the trust funds presented in this report. This is because the value of fixed capital assets does not represent

funds available for the payment of benefits or administrative expenditures, and therefore is not considered in assessing the actuarial status of the trust funds.

From December 29, 1981, until January 1, 1988, the Social Security Act authorized borrowing among the OASI, DI, and HI Trust Funds when necessary "to best meet the need for financing the benefit payments" from the three funds. (Although the initial borrowing authority expired at the end of 1982, the Social Security Amendments of 1983 reinstated the borrowing authority and extended it through 1987.) Interfund loans under the borrowing authority were made to the OASI Trust Fund from the DI and HI Trust Funds in November and December 1982. The loans were fully repaid by May 1, 1986. No additional interfund loans were made after 1982. In this report, the assets of the OASI Trust Fund, as of the end of each year 1982-85, include any amounts then owed to the DI and HI Trust Funds. The assets of the trust funds to which amounts were owed do not include such amounts. This procedure is followed because the borrowed amounts were available for the payment of benefits or other obligations of the OASI fund, while such amounts were not readily available to the lending funds.