

---

## Selected Pension

---

## Economics Bibliography

---

The following is a limited selection of articles and books pertaining directly to the topics raised in this book. An exhaustive bibliography through 1980 is found in *A Bibliography of Research: Retirement Income and Capital Accumulation Programs*. Washington, D.C.: Employee Benefit Research Institute, 1981.

### **The Pension Contract**

- Barnow, Burt S., and Ronald G. Ehrenberg. "The Costs of Defined Benefit Pension Plans and Firm Adjustments." *Quarterly Journal of Economics* 93 (November 1979), pp. 523-40.
- Bulow, Jeremy. "What Are Corporate Pension Liabilities?" *Quarterly Journal of Economics* 96 (August 1982), pp. 435-52.
- Freeman, Richard B. "Unions, Pensions and Union Pension Funds." National Bureau of Economic Research Working Paper No. 1226, 1983.
- Ippolito, Richard A. "The Labor Contract and True Economic Pension Liabilities." *American Economic Review* 75 (forthcoming December 1985).
- \_\_\_\_\_. "The Economic Function of Underfunded Pension Plans." *Journal of Law and Economics* 28 (forthcoming October 1985).
- Kotlikoff, Laurence, and A. Spivak. "The Family as an Incomplete Annuities Market." *Journal of Political Economy* 89 (April 1981), pp. 372-91.
- Lazear, Edward P. "Pensions as Severance Pay." National Bureau of Economic Research, Working Paper No. 854, February 1982.
- \_\_\_\_\_. "Why Is There Mandatory Retirement?" *Journal of Political Economy* 87 (December 1979), pp. 1261-84.
- Pesando, James. "The Usefulness of the Wind-up Measure of Pension Liabilities: A Labor Market Perspective." *Journal of Finance* 40 (July 1985), pp. 927-40.

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

### **Pensions and Savings**

- Diamond, Peter A., and Jerry A. Hausman. "Individual Retirement and Savings Behavior." *Journal of Public Economics* 23 (February 1984), pp. 81-114.
- Dicks-Mireaux, Louis, and Mervyn King. "Pension Wealth and Household Savings: Tests of Robustness." *Journal of Public Economics* 23 (February 1984), pp. 115-40.
- Feldstein, Martin. "Social Security, Induced Retirement and Aggregate Capital Accumulation." *Journal of Political Economy* 82 (September 1974), pp. 905-26.
- Munnell, Alicia H. "Private Pensions and Savings: New Evidence." *Journal of Political Economy* 84 (October 1976), pp. 1013-31.

### **Pensions and Retirement Age**

- Burkhauser, Richard V. "The Pension Acceptance Decision of Older Workers." *Journal of Human Resources* 14 (Winter 1979), pp. 63-75.
- Fields, Gary, and Olivia Mitchell. *Retirement, Pensions and Social Security*. Cambridge, Mass.: MIT Press, 1984.
- Gordon, Roger H., and Alan S. Blinder. "Market Wages, Reservation Wages, and Retirement Decisions." *Journal of Public Economics* 14 (October 1980), pp. 431-42.
- Gustman, Alan L., and Thomas L. Steinmeier. "A Structural Retirement Model." *Econometrica* (forthcoming 1986).
- Ippolito, Richard A. "Income Tax Policy and Lifetime Labor Supply." *Journal of Public Economics* 26 (April 1985), pp. 327-47.

### **Pensions and Labor Mobility**

- McCormick, Barry, and G. Hughes. "The Influence of Pensions on Job Mobility." *Journal of Public Economics* 23 (February 1984), pp. 183-206.
- Mitchell, Olivia S. "Fringe Benefits and Labor Mobility." *Journal of Human Resources* 17 (Spring 1982), pp. 286-98.
- Schiller, Bradley R., and R. D. Weiss. "The Impact of Private Pension Plans on Firm Attachment." *Review of Economics and Statistics* 61 (August 1979), pp. 369-80.
- Schulz, James H. *Private Pension Policy Simulations*. Waltham, Mass.: Brandeis University, 1980.

### **Financial Aspects of Pensions**

- Berkowitz, Steven A., and Dennis E. Logue. *Corporate Pension Fund Performance*. Report to the U.S. Department of Labor, Washington, D.C., forthcoming Spring 1986.
- Black, Fisher. "The Tax Consequences of Long-Run Pension Policy." *Financial Analysts Journal* 36 (July-August 1980), pp. 3-10.
- Feldstein, Martin, and Randall Morck. "Pension Funding Decisions, Interest Rate Assumptions and Share Prices." National Bureau of Economic Research, Working Paper No. 938, July 1982.

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

- Ippolito, Richard A. "The Economic Burden of Corporate Pension Plans." *Financial Analysts Journal* 42 (forthcoming January 1986).
- Logue, Dennis E., and Richard Rogalski. *Managing Corporate Pension Plans: The Impacts of Inflation*. Washington, D.C.: American Enterprise Institute, 1984.
- Munnell, Alicia H. "Who Should Manage the Assets of Collectively Bargained Pension Plans?" *New England Economic Review* (July/August) 1983, pp. 18-30.
- Sharpe, William F. "Corporate Pension Fund Policy." *Journal of Financial Economics* 3 (June 1976), pp. 183-93.
- Tepper, Irwin. "Taxation and Corporate Pension Policy." *Journal of Finance* 36 (March 1981), pp. 1-14.
- Tepper, Irwin, and A. Affleck. "Pension Plan Liabilities and Corporate Financial Strategies." *Journal of Finance* 29 (December 1974), pp. 1549-64.
- Treynor, Jack L. "The Principles of Corporate Pension Finance." *Journal of Finance* 32 (May 1977), pp. 627-38.
- \_\_\_\_\_. *The Financial Reality of Pension Funding under ERISA*. Homewood, Ill.: Dow Jones-Irwin, 1976.

### **Pension Policy**

- Blinder, Alan S. "Private Pensions and Public Pensions: Theory and Fact." National Bureau of Economic Research, Working Paper No. 902, June 1982.
- Feldstein, Martin. "Should Private Pensions Be Indexed?" National Bureau of Economic Research, Working Paper No. 787, October 1981.
- Ippolito, Richard A. "Public Policy toward Private Pensions." *Contemporary Policy Issues*, a supplement to *Economic Inquiry*, April 1983, pp. 53-76.
- Logue, Dennis E. *Legislative Influence on Corporate Pension Plans*. Washington, D.C.: American Enterprise Institute, 1979.

### **Pension Data**

- Bankers Trust. *Corporate Pension Plan Study*. annual.
- Beller, Daniel J. "Coverage Patterns of Full-Time Employees under Private Retirement Plans." *Social Security Bulletin* 44 (July 1981), pp. 3-11.
- Clark, Robert; Steven Allen; and Daniel Sumner. *Inflation Adjustments in Pension Plans*. Report submitted to the U.S. Department of Labor, Washington, D.C., 1983.
- Dorsey, Stuart. "A Model and Empirical Estimates of Worker Pension Coverage in the U.S." *Southern Economic Journal* 49 (October 1982), pp. 506-20.
- Greenwich Research Associates. *Large Corporate Pension Funds*. annual.
- Hay Associates. *Pre-ERISA Plan Termination Benefit Losses*. Report submitted to the U.S. Department of Labor, Washington, D.C., 1979.
- Ippolito, Richard A., and Walter K. Kolodrubetz, eds., *The Handbook of Pension Statistics*. Washington, D.C.: U.S. Department of Labor, mimeo, 1985.
- Johnson and Higgins. *Executive Report on Large Corporate Pension Plans*. annual.

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

- Kolodrubetz, Walter K. "Earnings Replacement from Private Pensions." *Reaching Retirement* no. 47, Washington, D.C.: Social Security Administration, 1976.
- Kolodrubetz, Walter K., and D. Landay. "Coverage and Vesting of Full-Time Employees under Private Retirement Plans." *Social Security Bulletin* 36 (November 1973), pp. 20-36.
- Kotlikoff, Laurence J., and Daniel Smith. *Pensions in the American Economy*. Chicago: University of Chicago Press, 1983.
- Skolnik, Alfred M. "Private Pension Plans, 1950-1974." *Social Security Bulletin* 39 (June 1976), pp. 3-17.
- Urban Institute. *Financial Retirement Incentives in Private Pension Plans*. Report submitted to the U.S. Department of Labor, Washington D.C., 1982.
- U.S. Department of Labor. "Preliminary Estimates of Participant and Financial Characteristics of Private Pension Plans." Washington, D.C.: Labor-Management Services Administration, 1981.

#### **Other Relevant Books**

- Andrews, Emily. *The Changing Profile of Pensions in America*. Washington, D.C.: Employee Benefit Research Institute, 1985, forthcoming.
- McGill, Dan. *Fundamentals of Private Pensions*, 5th ed. Homewood, Ill.: Richard D. Irwin, Inc., 1984.
- Munnell, Alicia H. *The Economics of Private Pensions*. Washington, D.C.: The Brookings Institution, 1982.
- Murray, Roger F., *Economic Aspects of Pensions*. New York: National Bureau of Economic Research, 1968.
- Rosenbloom, Jerry S. *The Handbook of Employee Benefits*. Homewood, Ill.: Dow Jones-Irwin, 1984.

---

## Dissenting Comments

---

---

The copyright for "Pensions, Economics & Public Policy"  
by R. Ippolito is held by The McGraw-Hill Companies, Inc.

---

Statement of \_\_\_\_\_  
Robert J. Myers, F.S.A.\* \_\_\_\_\_

---

When I read the manuscript for this book, I was struck by the fact that it gave only cursory reference to the Social Security program, which serves as the floor on which the private pension system of the United States is built. Quite naturally, the book need not deal extensively with Social Security, but it should recognize that the design of private pensions is significantly affected thereby. A reader from another country would hardly realize the extensive nature of the Social Security program and its impact on the design of private pensions.

After an extensive review of the manuscript, I sent a number of largely factual comments about the Social Security program and other matters to Mr. Ippolito, but he chose not to recognize any of them, or even to debate the points with me. Accordingly, I am constrained to point out here these errors of omission and commission, recognizing, of course, that it is not necessary in a book on private pensions to go into all of the details of the Social Security program. Nonetheless, when something can be said accurately in about the same space, or in only a little more, it should be done.

The author mentions that, beginning in 1984, the Social Security benefits are subject to income tax for a small portion of the retiree population and implies that this is done in the same manner as for private pensions. Whether rightly or wrongly, the income-tax treatment of Social Security benefits is done in a quite different manner, and the author should have described it here.

---

\*International Consultant on Social Security.

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

Still further in Chapter 1, Mr. Ippolito gratuitously recommends eliminating the earnings test in the Social Security program (which seems to have no relevance to the subject that the book deals with). Once again, there is an inadequate discussion of this topic. The earnings test does not impose "penalties" (as the author states)—what pension plan pays retirement benefits to persons who are not retired? Also, the author refers to the provisions of the law as "rules," which gives the erroneous impression that they are arbitrary regulations of the Social Security Administration. The most that is needed to solve the problem of work disincentives is not the elimination of the test, but rather the granting of larger delayed-retirement credits, so that they produce close to actuarial equivalence. Any solution in this direction would merely be to advance this date nearer the present time. For more details on this matter, see my paper "Income of Social Security Beneficiaries as Affected by Earnings Test and Income Tax on Benefits," *Journal of Risk and Insurance*, June 1985.

In Chapter 3, which deals with post-retirement benefit erosion, reference might well have been made to the Pension Research Council publication in this area—my book, *Indexation of Pension and Other Benefits*. Also, the author, in describing how to incorporate this element into his model, suggests using an average discount rate for the active and retired periods, instead of the accurate procedure of two separate ones; no computational problems of any magnitude should occur if the correct method is used. (The procedure of averaging often leads to significant errors!)

In discussing the treatment of payroll taxes in Chapter 12, the author is not sufficiently precise. First, he refers to the combined employer-employee tax rate of 14.1 percent (in 1985—but higher in subsequent years) as the "approximate 14 percent." Second, he does not recognize that a substantial part of this tax rate is for other than retirement benefits. Third, he does not recognize that the benefits are determined from a weighted formula, so that higher cash wages do not result in proportionately higher benefits.

The author urges (as do many, but not all, economists) that the employee really pays the employer tax. I argue that this may be true in the aggregate, but is not necessarily so on an individual-by-individual basis. Also, it may well be argued that the employer considers the employer tax as a "cost of production" and passes it on to the consumers (primarily the employees as a group) in the form of higher prices for goods and services. In the quantitatively imprecise field of economics, it is impossible to ever determine the true incidence of taxes!

Still later in that section, the author discusses the difficulties arising were the Social Security program to be on a voluntary basis, but he misses the real point when he ignores the elements of antiselection

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

which would be present and the effect of the weighted nature of the benefit formula.

Then, in footnote 12 of this section, the author assumes in the calculations that "the worker/retiree ratio is constant and that productivity growth is zero." Such a simple, completely unreasonable assumption casts considerable doubt on the validity of the results.

Somewhat later in Chapter 12, in discussing the different income tax treatment of private pensions and Social Security benefits, the author states that such taxation of benefits, introduced in 1984, was the "equivalent" of his proposed solution of having both employer and employee taxes deductible when paid and benefits being completely taxable when received. This is not at all the case as to equivalency, either individually or in the aggregate. Further, the present method of taxation of benefits is not accurately described—for married workers, he states as being applicable to 50 percent of benefits "when income exceeds \$32,000"; this oversimplified statement incorrectly ignores that only 50 percent of benefits is included in "income" and that only the excess of such adjusted income over the threshold is taxable if it is less than 50 percent of benefits.

The copyright for "Pensions, Economics & Public Policy"  
by R. Ippolito is held by The McGraw-Hill Companies, Inc.

---

Statement of \_\_\_\_\_  
Howard Young, F.S.A.\* \_\_\_\_\_

---

Chapter 1 of this volume makes it clear that the author focuses on two major targets: pension plans covering unionized work forces (pp. 11–12) and public policy “distortions imposed on free market equilibrium” (p. 12). With respect to public policy, the author’s bias is explicit: he asks whether public policy toward pensions makes sense “from a strict efficiency viewpoint (that is, ignoring equity concerns)” (p. 207). The bias regarding unions is less explicit, but I believe equally clear, given comments such as: “once workers are unionized, stockholders in the firm are faced with a classic potential holdup problem” (pp. 167–68). I have never seen, nor have several other economists whom I consulted, use of the term *holdup* in a respectable discussion of the collective bargaining relationship. Note also, “once organized, workers clearly represent a potential threat to the long-term viability of a particular firm” (p. 170).

After theorizing that unionized workers, along with all others, believe they have an implicit contract that says “the firm will keep the pension plan intact and pay indexed pensions at retirement and even beyond” (p. 8)—even if their collective bargaining agreement explicitly provides more limited promises, and even though there are periodic bargaining conflicts and even strikes, in order to improve the explicit pension contract—the author suggests that all parties (firm, union, and workers) agree to a “bonding” relationship which amounts to a standoff based on mutual destruction capabilities. Furthermore, it is asserted that this “bonding” relationship explains: (1) the development of ERISA and PBGC, including an assertion that corporate “resistance to ERISA . . . must have waned considerably by the early 1970s” (p. 180); (2) the

---

\*Special Consultant to the President, United Auto Workers.

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

higher ratio of pensions to wages, more widespread pension coverage, and larger portion of compensation devoted to pensions for unionized workers (p. 190); and (3) unions' preference for defined benefit plans (p. 193). In short, we are told that what many thought were collective bargaining initiatives and innovations were merely a result essentially predictable by market-theory economics. To one who has been involved in the bargaining and legislative process, that is an unbelievable conclusion.

With respect to public policy prescriptions, the author is entitled to his view just like anyone else. Given his stated goal "to eliminate artificial obstacles to voluntary private market solutions to generating retirement income" (p. 207), his recommendations could have been written before the study was done. However, it is not clear how the commendable proposal for the U.S. Treasury to issue indexed bonds for retirement savings (p. 311) is reconciled with those private market solutions. Does that mean government intervention is needed after all, despite everyone's recognition of the implicit contract for indexed benefits, in order to provide the kind of protection that truly can be provided by Social Security, except when the law is amended for budget purposes or otherwise?

This treatise is basically antigovernment and antiunion. Given these biases, the author's conclusions are not surprising but are nevertheless controversial, and in my view, highly objectionable.

---

## Index

---

---

---

- Age of Retirement (see retirement age)  
Assets (see pension assets)
- Benefits (see pension benefit levels)  
Bonding mechanism, 167-73  
Bond  
    pension ownership, 123-27  
    role in pension portfolio, 127-30,  
    159-60
- Capital accumulation, 11, 123-30, 151-  
58  
Capital losses  
    from quitting, 141-43  
    from retiring late, 145-47  
    from terminations, 175-82, 239, 249-  
51  
Consumption tax, 27-28  
Coverage rates (see pension coverage  
rates)
- Defined benefit plans  
    benefit formulas (see pension benefit  
    formulas)  
    growth (see pension asset growth)  
    numbers of, 5  
    productivity aspects of, 28-29, 103-5,  
    140-49  
Defined contribution plans growth (see  
pension asset growth)
- Defined contribution plans growth—Cont.  
    numbers of, 5  
    primary, 97, 109-11, 192-93  
    profit-sharing plans, 171-73, 198-200  
    secondary, 97, 105-9, 113-14  
    share of private pension assets, 114  
    stock-bonus plans, 171-73, 198-200
- Efficiency  
    of pension rules, 168-75, 218-22  
    of proposed public policies, 225-27,  
    249-52  
    of tax code, 20-24, 135-38, 151-56,  
    208-14
- ERISA  
    impact of, 11, 98-100, 109-11, 162-63  
    proposed policy changes in, 13-14,  
    219-20  
    provisions, 6, 11, 158, 219-20  
    theories of, 12, 180-82, 198-202,  
    229-32
- Fifty-five hundred data (see pension plan  
annual 5500 reports), 5, 76, 97, 108,  
118, 129, 193, 195, 201  
Firm failure, 200-201  
Funding Ratio  
    determinants of, 74-78, 194-95  
    economic (also, real or ongoing), 5, 66-  
    72

The copyright for "Pensions, Economics & Public Policy" by R. Ippolito is held by The McGraw-Hill Companies, Inc.

- Funding Ratio—*Cont.*
  - legal (also terminated), 5, 68–69, 71–72
  - reported, 5, 66–69
  - targeted, 72–74, 82
- Hold up, 168, 183–86
- Implicit contract, 36–62, 239
- Individual retirement accounts
  - proposed changes in, 13, 28, 30–32, 209–11
- Inflation indexing, 15, 52–54
- Interest rate assumptions, 42–57, 63–66
- Labor mobility, 141–44
- Pension
  - assets, 3, 5, 81
  - contract (also see implicit contract), 6–8
  - coverage rates, 4, 24, 83–85, 109, 189–90
  - generosity, 83–84, 89–91, 107–8, 190–92
  - insurance (also see Pension Benefit Guaranty Corporation), 222–25
  - participants, 3–4
  - plan terminations (see terminations)
  - portfolio, 123–30
  - puzzles, 11, 158–63
  - regulation (also see ERISA), 218–22
  - retirees, 3–4, 83–87, 90–91
  - savings, 151–58
  - share of securities, 3–5, 11, 123–30, 156–58
  - theories, 16, 24–26, 28–32
- Pension asset growth
  - implications for capital markets, 10–11, 123–30, 151–64
  - implications for labor markets, 10, 122–23, 133–50
  - in all plans, 9–10, 25, 119–30
  - in defined benefit plans, 81–95, 107–9, 120
  - in defined contribution plans, 96–118, 120
  - reasons for, 16–26
- Pension benefit
  - levels, 3–4, 83–84, 89–91, 190–92
  - formulas, 38–46
- Pension liabilities
  - economic (real), 37–46
  - growth (also see pension asset growth), 83–95
  - legal (also terminated), 37–46
  - unfunded, 66–74
- Pension Benefit Guaranty Corporation (PBGC), 14–15, 98–103, 201–2
- Pension plan annual 5500 reports (see fifty-five hundred data)
- Profit Sharing Pension Plans (see Defined Contribution Plans)
- Public pension plans, 120–21
- Quit Rates (see Labor Mobility)
- Retirement age, 4, 83–84, 87–91, 134–40, 144–49, 220–22
- Reversions (also see Terminations), 15, 100–103, 233–35, 241–52
- Social Security
  - proposals for change, 13–14, 214–18, 220–22
- Stock Bonus Pension Plans (see Defined Contribution Plans)
- Stockmarket impact
  - of underfunding, 54–57
  - of pension asset growth, 124–26, 156–58
- Tax advantages
  - of income smoothing, 17–20, 33–35
  - of tax-exempt savings, 20–24
- Tax impact
  - on pensions, 24–25
  - on retirement age, 134–40
- Tax policy
  - current, 7, 25
  - potential changes in, 26–28
  - recommended changes in, 12–13, 225–27
- Terminations
  - effects on workers from, 239
  - evaluation of, 240–43
  - proposed policy towards, 15, 249–52
  - reasons for, 234–40
  - statistics of, 98–103, 201–2, 234–36, 240–43

The copyright for "Pensions, Economics & Public Policy"  
by R. Ippolito is held by The McGraw-Hill Companies, Inc.

Terminations—Cont.

tax aspects, 243–249

Underfunding

bond value of, 169–73

effects on stock value, 54–57

puzzle, 11, 158–59, 168–69

statistics describing, 69–72, 194–97

theory of, 173–80

Union Pension Plans

role of underfunding in, 12, 77, 168–  
71, 195

Union Pension Plans—Cont.

generosity levels in, 191

share of PBGC transfers, 201–2

Unions

coverage rates in, 190, 193, 199

effect on pension characteristics, 111,

118

potentially deleterious effects of, 12,

168–75

relation to failed firms, 200–201

relation to plan terminations, 241

Wage-service profiles, 47–51, 57–62