

References

- Ahearn, M.C. *Financial Well-Being of Farm Operators and Their Households*. U.S. Department of Agriculture, Economic Research Service, AER-563, Sept. 1986.
- Ahearn, M.C., and H.S. El-Osta. "The Role of Off-Farm Employment: Permanent or Transitional State." Selected paper presented at the American Agricultural Economics Association (AAEA) annual meetings, Baltimore, MD, Aug. 1993.
- Ahearn, M.C., and J.E. Lee, Jr. *Multiple Job-Holding Among Farm Operator Households in the United States*. M.C. Hallberg, J.L. Findeis, and D.A. Lass (eds.), Iowa State University Press, Ames, IA, 1991.
- Ahearn, M.C., J.E. Perry, and H.S. El-Osta. *The Economic Well-Being of Farm Operator Households, 1988-90*. U.S. Department of Agriculture, Economic Research Service, AER-666, Jan. 1993.
- Barlett, P.F. "Motivations of Part Time Farmers," *Multiple Job-Holding Among Farm Families*. M.C.Hallberg, J.L. Findeis, and D.A. Lass (eds.), Iowa State University Press, Ames, IA, 1991.
- Barlett, P.F. "Part-Time Farming: Saving the Farm or Saving the Life-Style," *Rural Sociology*, Vol. 51, No. 3, Fall 1986, pp. 289-313.
- Barnard, C., R. Nehring, J. Ryan., and R. Collender. "Higher Cropland Values from Farm Program Payments: Who Gains?" *Agricultural Outlook*, AGO-286. U.S. Department of Agriculture, Economic Research Service, Washington DC, Nov. 2001.
- Batte, M.T., E. Jones, and G.D. Schnitkey. "Computer Use by Ohio Commercial Farmers." *American Journal of Agricultural Economics*. 66 (Aug. 1984):342-350.
- Bauman, K.J. "Extended Measures of Well-Being: Meeting Basic Needs," *Current Population Reports*, P70-67, U.S. Census Bureau, U.S. Department of Commerce, June 1999.
- Becker, G.S. *Human Capital: A Theoretical and Empirical Analysis with Special Reference to Education*. New York: National Bureau of Economic Research and Columbia University Press, 1975.
- Bessant, K.C. "Part-time Farming Situations among Manitoba Farm Operators: A Typological Approach," *Canadian Journal of Agricultural Economics*, Vol. 48, No. 3, Nov. 2000, pp. 259-277.
- Bierlen, R., L.D. Parsch, B.L. Dixon, and B.L. Ahrendsen. "The 1996 FAIR Act: Measuring the Impacts on Land Leasing," *Review of Agricultural Economics*, Vol. 22, No. 2 (2000):336-354.
- Binswanger, H.P. "The Measurement of Technical Change Biases with Many Factors of Production," *American Economic Review*, Vol. 64, 6 (Dec. 1974): 964-976.
- Binswanger, H.P. "Measurement of Technical Change: The United States," *Induced Innovation, Technology, Institutions and Development*. H.P. Binswanger, V.W. Ruttan et al. (eds.), Baltimore, MD and London: Johns Hopkins University Press, 1978.
- Boehlje, M.D., and V. Eidman. *Farm Management*. John Wiley and Sons, New York, 1984.
- Boisvert, R.A., and C. Ranney. "Accounting for the Importance of Nonfarm Income on Farm Family Income Inequality in New York," *Northeastern Journal of Agricultural Economics* 19 (1990): 1-11.
- Bollman, R.D. "Off-Farm Work by Farmers: An Application of the Kinked Demand Curve for Labor," *Canadian Journal of Agricultural Economics*, Vol. 27, No. 1, 1979, pp. 37-61.
- Brewster, D.E. "The Family Farm: A Changing Concept," *Structure Issues of American Agriculture*. U.S. Department of Agriculture, Economics, Statistics, and Cooperative Service, AER-438. Nov. 1979.
- Butler, M.A., and C.L. Beale. "Rural-Urban Continuum Codes for Metro and Nonmetro Counties, 1993." U.S. Department of Agriculture, Economic Research Service, Staff Report AGES 9425, Sept. 1994.

- Buttel, F.H., B.F. Hall, O.W. Larson III, and J. Kloppenburg. "Manpower Implications of Part-time Farming in New York State." Unpublished report prepared for the Employment and Training Administration, U.S. Department of Labor, Ithaca, NY, Cornell University, 1982.
- Carlin, T.A. "Farm Families Narrowed the Income Gaps in the 1960's," *Agricultural Finance Review*, Vol. 33, July 1973, pp. 22-26.
- Center for Farm Financial Management, University of Minnesota. <http://www.cffm.umn.edu/farmmgt.asp>
- Cochrane, W.W. *The Development of American Agriculture: A Historical Analysis*. Minneapolis: University of Minnesota Press, 1979.
- Cogan, J.F. "Fixed Costs and Labor Supply," *Econometrica*, Vol. 49 (1981): 945-963.
- Cook, P.J., and K.L. Mizer. *The Revised ERS County Typology*. U.S. Department of Agriculture, Economic Research Service, RDRR-89, Dec. 1994.
- Crecink, J.C., *Families With Farm Income, Their Income, Income Distribution and Income Sources*, Economic Development Division, Economics, Statistics, and Cooperative Service, U.S. Department of Agriculture, Nov. 1979.
- Crisostomo, M.F., and A.M. Featherstone. "A Portfolio Analysis of Returns to Farm Equity and Assets," *North Central Journal of Agricultural Economics* 12 (1990):9-21.
- El-Osta, H.S., and M.C. Ahearn. *Estimating the Opportunity Cost of Unpaid Farm Labor for U.S. Farm Operators*. U.S. Department of Agriculture, Economic Research Service, TB-1848, March 1996.
- El-Osta, H.S., G. Bernat, and M.C. Ahearn. "Regional Differences in the Contribution of Off-Farm Work to Income Inequality," *Agricultural and Resource Economics Review*, Vol. 24 (April 1995): 1-14.
- El-Osta, H.S., and M.C. Ahearn. "A Regional Analysis of the Role of Off-Farm Income in the Size and Distribution of Personal Income." Selected paper presented at the Western Agricultural Economics Association (WAEA) annual meetings, Portland, OR, July 1991.
- El-Osta, H.S., and M.J. Morehart. "The Dynamics of Wealth Concentration Among Farm Operator Households," *Agricultural and Resource Economics Review*, April 2002.
- El-Osta, H.S., and M.J. Morehart. "Technology Adoption Decisions in Dairy Production and the Role of Herd Expansion," *Agricultural and Resource Economics Review*, Vol. 28 (April 1999): 84-95.
- Featherstone, A.M., and T.G. Baker. "Effects of Reduced Price and Income Supports on Farmland Rents and Values," *North Central Journal of Agricultural Economics* 10 (July 1988): 177-90.
- Findeis, J.L. "The Growing Importance of Off-Farm Income," *Farm Economics*. University Park: Pennsylvania State University and Cooperative Extension Service, U.S. Department of Agriculture, 1985.
- Findeis, J.L. and V.K. Reddy. "Decomposition of Income Distribution Among Farm Families," *Northeastern Journal of Agricultural Economics* 16 (1987): 165-173.
- Findeis, J.L., M.C. Hallberg, and D.A. Lass. "Off-Farm Employment: Research and Issues." Staff Paper No. 146, University Park: Department of Agricultural Economics and Rural Sociology, Pennsylvania State University, 1987.
- Firch, R. "Inflation, Price Controls and Marketing Margins," *Proceedings: Western Agricultural Economics Association* 48 (1975): 27-34.
- Firch, R. "Sources of Commodity Market Instability in U.S. Agriculture," *American Journal of Agricultural Economics*, Vol. 59, (Feb. 1977): 164-69
- Fuller, A.M. "Multiple Job-Holding Among Farm Families in Canada," *Multiple Job-Holding Among Farm Families*, M.C. Hallberg, J.L. Findeis, and D.A. Lass (eds.), Iowa State University Press, Ames, IA, 1991.
- Fuller, A.M., and J.A. Mage. "Part-time Farming: Problem or Resource in Development," Norwich, England: GeoAbstract Limited (1976), for University of Guelph, Canada.

- Gale, H.F., Jr. "Longitudinal Analysis of Farm Size Over the Farmer's Life Cycle," *Review of Agricultural Economics* 16 (Jan. 1994): 113-123.
- Gardner, B.L. "Changing Economic Perspectives on the Farm Problem," *Journal of Economic Literature*, Vol. XXX, March 1992, pp. 62-101.
- Gardner, B.L. "Demythologizing Farm Income," *Choices*, First Quarter, 1995, pp. 22-23.
- Gasson, R., G. Crow, A. Errington, J. Huston, T. Marsden, and M. Winter. "The Farm as a Family Business: A Review," *Journal of Agricultural Economics*, Vol. 39 (Jan. 1988): 1-42.
- Gauld, B.W., and W.E. Saupe, "Off-Farm Labor Market Entry and Exit," *American Journal of Agricultural Economics*, Vol. 71, No. 4, Nov. 1989, pp. 960-969.
- Gundersen, C., M. Morehart, L. Whitener, L. Ghelfi, J. Johnson, K. Kassel, B. Kuhn, A. Mishra, S. Offutt, and L. Tiehen. "A Safety Net for Farm Households," U.S. Department of Agriculture, Economic Research Service, AER-788, Oct. 2000.
- Gunter, L., and K.T. McNamara, "The Impact of Local Labor Market Conditions on the Off-Farm Earnings of Farm Operators," *Southern Journal of Agricultural Economics*, Vol. 22, No. 1, July 1990, pp. 155-165.
- Haden, K.L., and L.A. Johnson. "Factors Which Contribute to the Financial Performance of Selected Tennessee Dairies," *Southern Journal of Agricultural Economics*, Vol. 21 (July 1989):105-112.
- Halcrow, H.G. *Agricultural Policy of the United States*. Prentice-Hall Inc., Englewood Cliffs, NJ, 1953.
- Hallberg, M.C. *Policy for American Agriculture: Choices and Consequences*. Iowa State University Press, Ames, IA, 1992.
- Hallberg, M.C., J.L. Findeis, and D.A. Lass, eds. *Multiple Job-Holding Among Farm Families*. Iowa State University Press, Ames, IA, 1991.
- Hanson, R.J., and R.G.F. Spitze. "Increasing Incomes of Farm Families Through Dual Employment," *Agricultural Finance Review* Vol. 35, Oct. 1974, pp. 59-64.
- Hathaway, D.E. "Agriculture in an Unstable Economy Revisited," *Journal of Farm Economics* 41 (August 1959):487-99.
- Hathaway, D.E. *Government and Agriculture: Public Policy in a Democratic Society*. New York: Macmillan and Co., 1963.
- Heady, E.O., W.B. Back, and G.A. Peterson. *Interdependence Between the Farm Business and the Farm Household with Implications on Economic Efficiency*. Research Bulletin 398, Department of Economics and Sociology, Iowa State College, Ames, IA, 1953.
- Herbst, J.H., and R.J. Hanson. "Nonfarm Work as a Substitute for Farm Enterprise," *Journal of American Society of Farm Managers and Rural Appraisers*, Vol. 35, No. 1, April 1971, pp. 63-68.
- Hill, B. *Farm Incomes, Wealth and Agricultural Policy*. Ashgate Publishing Co., Brookfield, VT, 2000.
- Hoppe, R.A., "Operator Household Income," *Agricultural Income and Finance, Situation and Outlook Report*, AIS-70, Dec. 1998: pp. 13-16.
- Hoppe, R.A., R. Green, and G. Wunderlich. "Farmland Rentals: Central to Farming," *Agricultural Outlook*, AO-220. U.S. Department of Agriculture, Economic Research Service, July 1995.
- Hopkins, J., and M. Taylor. "Are U.S. Farm Programs Good Public Policy?: Taking Policy Performance Seriously." Selected paper presented at the American Agricultural Economics Association annual meetings, Chicago, IL, Aug. 5-8, 2001.
- Houthakker, H.S. *Economic Policy for the Farm Sector*. American Enterprise Institute for Public Policy Research, Washington, DC, Nov. 1967.
- Huffman, W.E. "Allocative Efficiency: The Role of Human Capital," *Quarterly Journal of Economics* 59(5):1054-61, 1977.
- Huffman, W.E. "Agricultural Household Models: Survey and Critique," *Multiple Job Holding Among Farm Families*, M.C. Hallberg, J.L. Findeis, and

- D.A. Lass (eds.), Iowa State University Press, Ames, IA, 1991.
- Huffman, W.E., and H.S. El-Osta, "Off-Farm Work Participation, Off-Farm Labor Supply and On-Farm Labor Demand of U.S. Farm Operators." Staff Paper No. 290, Department of Economics, Iowa State University, Ames, IA, Dec. 1997.
- Iowa State University, University Extension. "1999 Family Living Expenditures of Iowa Farm Families," FM 1790, Ames, IA, Nov. 2000.
- Irwin, S., D.L. Forster, and B.J. Sherrick. "Returns to Farm Real Estate Revisited," *American Journal of Agricultural Economics* 70 (1988): 580-87.
- Johnson, P. "The Elasticity of Foreign Demand for U.S. Agricultural Products," *American Journal of Agricultural Economics* 59 (Nov. 1977): 735-736.
- Johnson, G.L., and C.L. Quance. *The Overproduction Trap in U.S. Agriculture*. Johns Hopkins Press, Baltimore, MD, 1972.
- Johnson, M.A., and E. C. Pasour. "An Opportunity Cost View of Fixed Assets Theory and the Overproduction Trap," *American Journal of Agricultural Economics* 63 (Feb. 1981): 1-7.
- Just, R.E., and J.A. Miranowski. "Understanding Farmland Price Changes," *American Journal of Agricultural Economics* 75 (Feb. 1993): 156-168.
- Kimhi, A. "Is Part-time Farming Really a Step in the Way Out of Agriculture?" *American Journal of Agricultural Economics*, Vol. 82, No. 1, Feb. 2000, pp. 38-48.
- Kuhn, B., and S. Offutt. "Farm Policy in an Era of Farm Diversity," *Choices*, Third Quarter, 1999, pp. 37-38.
- Lancaster, J. "Farm Aid Benefits Lawmakers," *The Washington Post*, Sept. 1, 2001, p A1.
- Langemeier, M.R., and G.F. Patrick. "Farmer's Marginal Propensity to Consume: An Application to Illinois Grain Farms," *American Journal of Agricultural Economics*, Vol. 72 (May 1993): 309-16.
- Larson, D.K. "Wage and Salary Income: 'Big Crops' for People with Farm Earnings," *Journal of the Northeastern Agricultural Economics Council*, Vol. III, No. 1, May 1974, pp. 64-75.
- Larson, D.K., and T.A. Carlin, "Income and Economic Status of People with Farm Earnings," *Southern Journal of Agricultural Economics*, Vol. 6, No. 2, Dec. 1974, pp. 73-79.
- Lass, D.A., J.L. Findeis, and M.C. Hallberg. "Off-Farm Labor Participation Decisions by Massachusetts Farm Households." Research Paper Series No. 88-2. Department of Agricultural and Resource Economics, University of Massachusetts, Amherst, MA, 1988.
- Lass, D.A., J.L. Findeis, and M.C. Hallberg, "Off-Farm Employment Decisions by Massachusetts Farm Households," *Northeastern Journal of Agricultural and Resource Economics*, Vol. 18, No. 2, Oct. 1989, pp. 149-159.
- Lee, J.E., Jr. "Allocating Farm Resources Between Farm and Nonfarm Users," *Journal of Farm Economics*, Vol. 47, No. 1, 1965, pp. 83-92.
- Leon, Y., and P. Rainelli. "Savings of Farmers: A Cross-Sectional Analysis," *European Review of Agricultural Economics*, Vol. 3 (1976): 501-21.
- Lin, J.Y. "Educational and Innovation Adoption in Agriculture: Evidence from Hybrid Rice in China," *American Journal of Agricultural Economics*, Vol. 73 (1991): 713-723.
- Lins, D.A., N.E. Harl, and T.L. Frey. *Farmland*. Agricultural Business Publications, Skokie, IL, 1982.
- Lipton, K. "New U.S. Farm Resource Regions." (<http://www.econ.ag.gov/whatsnew/issues/regions/index.htm>). U.S. Dept. of Agriculture, Economic Research Service, updated June 28, 1999.
- Marshall, A. *Principles of Economics*, New York, Macmillan and Co., 1949.
- Mincer, J. *Schooling, Experience and Earnings*. Columbia University Press, New York, 1974.
- Mishra, A.K. "Farm Income Variability and the Off-Farm Labor Supply of Farmers and Their Spouses,"

- Unpublished Ph.D. Dissertation, Department of Economics, North Carolina State University, Raleigh, NC (1996).
- Mishra, A.K., and H.S. El-Osta. "Decomposition of Variability in Assets and Debt of Farm Households in the United States" Selected paper at the American Agricultural Economics Association annual meetings, Chicago, IL, Aug. 5-8, 2001.
- Mishra, A.K., and B.K. Goodwin. "Income Risk and Allocation of Labour Time: An Empirical Investigation," *Applied Economics* 30(12) 1998: 1549-1555.
- Mishra, A.K., and B.K. Goodwin. "Farm Income Variability and the Supply of Off-farm Labor," *American Journal of Agricultural Economics*, Vol. 79, Aug. 1997: 880-887.
- Mishra, A.K., and M.J. Morehart. "Tax-Deferred Savings and Off-Farm Investment of Farm Households," *Proceedings of Regional Committee NC-221*, Minneapolis, MN. Oct. 2-3, 2000.
- Mishra, A.K., and M.J. Morehart. "Off-Farm Investment of Farm Households: A Logit Analysis," *Agricultural Finance Review*, Vol. 61, No. 1 (Spring 2001): 87-101.
- Mishra, A.K., and M.J. Morehart. "Farm Household Savings," *Financing Agriculture and Rural America: Issues of Policy, Structure, and Technical Change. Proceedings of Regional Committee NC-221*, Louisville, KY, Oct. 5-6, 1998.
- Mishra, A.K., and C.L. Sandretto. "Stability of Farm Income and the Role of Nonfarm Income in U.S. Agriculture," *Review of Agricultural Economics*. Vol. 24, No. 1 (Spring/Summer 2002): 208-221.
- Mishra, A.K., H.S. El-Osta, and C.J. Steele. "Factors Affecting the Profitability of Limited Resource and Other Small Farms," *Agricultural Finance Review*, Vol. 59 (1999a): 77-91.
- Mishra, A.K., H.S. El-Osta, and J.D. Johnson. "Factors Contributing to Earnings Success of Cash Grain Farms," *Journal of Agricultural and Applied Economics*, Vol. 31 (Dec. 1999b): 623-637.
- Mishra, A.K., C.B. Moss, and K.W. Erickson. "Changes in the Distribution of Farm Wealth in the United States." Selected paper presented at the 2001 Western Agricultural Economics Association annual meetings, Logan, UT, July 2001.
- Monke, J.M. "The 1997 Tax Law: New Incentives for Farmers to Invest for Retirement," *Agricultural Outlook*: 24-26, December 1998.
- Moss, C.B., A.M. Featherstone, and T.G. Baker. "Agricultural Assets in an Efficient Multiperiod Investment Portfolio," *Agricultural Finance Review*, Vol. 47 (1987): 82-94.
- Nelson, R.R., and E.S. Phelps. "Investment in Humans, Technological Diffusion, and Economic Growth," *American Economic Review*, Vol. 56 (May 1966): 69-75.
- Noda, T. "Saving of Farm Households," *Agriculture and Economic Growth: Japan's Experience*, K. Ohkawa, B.F. Johnston, and H. Kaneda, eds. University of Tokyo Press, Tokyo, 1970, pp. 352-73.
- Offutt, S. "Can the Farm Problem be Solved?" M.E. Lecture, The Pennsylvania State University, October 18, 2000.
- Penson, J.B. "Demand for Financial Assets in the Farm Sector: A Portfolio Balance Approach," *American Journal of Agricultural Economics*, Vol. 54 (1972): 163-173.
- Phipps, T.T. "Land Prices and Farm-Based Returns," *American Journal of Agricultural Economics*, Vol. 66 (Nov. 1984): 422-429.
- Pindyck, R.S. "Irreversible Investment, Capacity Choice, and the Value of the Firm," *American Economic Review*, Vol. 78 (Dec. 1988): 969-985.
- Randall, C.K., and R.H. Musucci, "Farm and Nonfarm Income Comparisons," *Journal of Farm Economics*, Vol. 45, No. 2, May 1963, pp. 359-366.
- Reinsel, E.I. "Farm Family Incomes and Farmers' Income Improve at Different Rates," *Agricultural Finance Review*, Vol. 35, Oct. 1974, pp. 31-35.
- Robison, L.J., and P.J. Barry. *The Competitive Firm's Response to Risk*. Macmillan Publishing Co., New York, 1987.

- Robinson, K.L. *Farm and Food Policy and Their Consequences*. Prentice-Hall Inc., Englewood Cliffs, NJ, 1989.
- Ryan, J., C. Barnard, and R. Collender. "Government Payments to Farmers Contribute to Rising Land Values," *Agricultural Outlook*, AGO-282. U.S. Department of Agriculture, Economic Research Service, June-July 2001.
- Salant, P., M. Smale, and W. Saupe. *Farm Viability: Results of the USDA Family Farm Surveys*, U.S. Department of Agriculture, Economic Research Service, Rural Development Research Report 10-60, July 1986.
- Sander, W. "Off-Farm Employment and Incomes of Farmers," *Oxford Agrarian Studies*, Vol. 12 (1983): 34-47.
- Schertz, L., and W. Johnston. "Farm Act '96: Managing Farm Resources in a New Policy Environment," *Agricultural Outlook*, AGO-243. U.S. Department of Agriculture, Economic Research Service, Aug. 1997.
- _____. "Landowners: They Get the 1996 Farm Act Benefits," *Choices* (first quarter 1998): 4-7.
- Schmitz, A. "Boom/Bust Cycles and Ricardian Rents," *American Journal of Agricultural Economics*, Vol. 77 (Dec. 1995): 1110-25.
- Schnitkey, G., and W. Lee. "Farmers Should Own More Financial Assets—Even if it Means Owning Less Land," *Regulatory, Efficiency, and Management Issues Affecting Rural Financial Markets*. Proceedings of Regional Committee NC-207, Staff Paper SP-0196, Dept. of Agricultural Economics and Rural Sociology, University of Arkansas, Fayetteville, AK, 1996.
- Schuh, G.E. "The Exchange Rate and U.S. Agriculture," *American Journal of Agricultural Economics*, Vol. 56 (Feb. 1974): 1-13.
- Schultz, T.W. *Agriculture in an Unstable Economy*. McGraw-Hill Book Co., New York, 1945.
- Schultze, C.L. "Farm Subsidies and Farmland Prices," *The Distribution of Farm Subsidies: Who Gets the Benefits?* The Brookings Institution, Washington, DC, 1971.
- Singh, S.P., and H. Williamson, Jr. "Part-Time Farming: Productivity and Some Implications of Off-Farm Work by Farmers," *Southern Journal of Agricultural Economics*, Dec. 1981, pp. 61-67.
- Skees, J.R., M.R. Reed, and G.D. Pederson. "Some Distribution Effects of Changing Price Level on Farm Wealth," *North Central Journal of Agricultural Economics*, Vol. 7 (Jan. 1985): 94-104.
- Smith, J.D. and J.N. Morgan. "Variability of Economic Well-Being and its Determinants," *The American Economic Review*, Vol. 60, No. 2, May 1970, pp. 286-295.
- Streeter, D., and W.E. Saupe. "Nonmonetary Considerations in Farm Operator Labor Allocations," A.E. Research 86-28. Department of Agricultural Economics, Cornell University, Ithaca, NY, 1986.
- Sumner, D.A. "The Off-Farm Labor Supply of Farmers," *American Journal of Agricultural Economics*, Vol. 64. No. 3, Aug. 1982, pp. 499-509.
- Thirtle, C.G. "Induced Innovation in United States Field Crops, 1939-78," *Journal of Agricultural Economics*, Vol. 36, 1 (Jan. 1985a): 1-14.
- Thirtle, C.G. "Technological Change and the Productivity Slowdown in Field Crops: United States, 1939-1978," *Southern Journal of Agricultural Economics*, Vol. 17, 2 (Dec. 1985b): 33-42.
- Thomas, R.W. *A Review of Income Concepts Used in Economic Analysis*. Report prepared by Abt Associates for the Office of the Assistant Secretary for Planning and Evaluation, Department of Health, Education, and Welfare, May 1977.
- Tweeten, L.G. *Foundations of Farm Policy*, Second Edition. University of Nebraska, Lincoln, NE, 1979.
- Tweeten, L.G. "Economic Instability in Agriculture: The Contributions of Prices, Government Programs and Exports," *American Journal of Agricultural Economics*, Vol. 65, (Dec. 1983): 922-31