

This PDF is a selection from an out-of-print volume from the
National Bureau of Economic Research

Volume Title: A Study of Aggregate Consumption Functions

Volume Author/Editor: Robert Ferber

Volume Publisher: NBER

Volume ISBN: 0-87014-453-7

Volume URL: <http://www.nber.org/books/ferb53-1>

Publication Date: 1953

Chapter Title: Appendix B: Basic Data and List of Computed
Functions

Chapter Author: Robert Ferber

Chapter URL: <http://www.nber.org/chapters/c0825>

Chapter pages in book: (p. 64 - 69)

Appendix B

BASIC DATA AND LIST OF COMPUTED FUNCTIONS

Table B-1
BASIC DATA USED IN COMPUTATIONS^a

	<i>S</i> (\$ bil.)	<i>Y</i> (\$ bil.)	<i>N</i> (mil.)	<i>P</i> (1935-39=100)	<i>Y_o^b</i> (\$ bil.)	<i>M</i> (\$ bil.)
1922	3.5	56.7	110.0	119.7		
1923	4.8	65.0	111.9	121.9	56.7	
1924	3.0	66.4	114.1	122.2	65.0	
1925	3.4	70.9	115.8	125.4	66.4	
1926	2.5	73.6	117.4	126.4	70.9	
1927	3.1	74.3	119.0	124.0	73.6	
1928	1.9	76.5	120.5	122.6	74.3	54.678
1929	3.7	82.5	121.8	122.5	76.5	55.171
1930	2.9	73.7	123.1	119.4	82.5	54.389
1931	1.8	63.0	124.0	108.7	82.5	52.883
1932	-1.4	47.8	124.8	97.6	82.5	45.415
1933	-1.2	45.2	125.6	92.4	82.5	41.680
1934	-0.2	51.6	126.4	95.7	82.5	45.961
1935	1.8	58.0	127.3	98.1	82.5	49.881
1936	3.6	66.1	128.1	99.1	82.5	55.052
1937	3.9	71.0	128.8	102.7	82.5	57.258
1938	1.0	65.5	129.8	100.8	82.5	56.565
1939	2.7	70.2	130.9	99.4	82.5	60.943
1940	3.7	75.7	132.0	100.2	82.5	66.952
1941	9.8	92.0	133.2	105.2	82.5	74.153
1946	12.0	158.9	141.2	139.3		171.237
1947	3.9	169.5	144.0	159.2	158.9	165.455
1948	10.9	188.4	146.5	171.2	169.5	167.875
1949	8.6	187.4	149.2	169.1	188.4	167.930
1950-H ₁	12.3*	196.5*	151.0	167.7	188.4	

* At annual rates.

^a See pages 5-6 for definitions of variables.

^b The selection of maximum previous values for deflated income (*Y/P* and *Y/NP*) for the post-war estimates is a debatable point because the maximum previous values occur in a war year; this does not reflect the standard of living which the nation could otherwise have maintained at that level of income. The procedure followed in this study was to use the 1946 income figure, the income of the first postwar year, as the maximum previous income for the 1947 estimate. However, shortages of consumer goods were still fairly widespread in 1946; moreover, there is some doubt as to the accuracy of the deflation between 1946 and 1947 (see *Conference on Business Cycles* [NBER, 1951], pp. 98-102 and 115). Therefore, the selection of maximum previous deflated income for 1948-50 was made excluding 1946 income from consideration.

Sources: S,Y: 1922-28: Estimates by Harold Barger.

1929-50: National Income Supplements, *Survey of Current Business*, U. S. Department of Commerce.

N: *Statistical Abstract of the United States*, 1949, p. 7; and population releases of U. S. Bureau of the Census.

P: *Statistical Abstract of the United States*, 1949, p. 308; and current issues, *Survey of Current Business*.

M: Successive issues of the *Statistical Abstract of the United States*. Data are called "Total deposits (adjusted) and currency" in source.

Table B-2

REGRESSION FUNCTIONS USED IN ANALYSIS OF PREDICTIVE ACCURACY AND GOODNESS OF FIT

FUNCTION NUMBER	FUNCTION*	PERIOD OF OBSERVATION**	FUNCTION*			PERCENTAGE OF ERROR IN ESTIMATE OF SAVINGS†		
			R ²	K†	1947	1948	1949	1950-H ₁
(2.1a)	$S = -7.8918 + .1519Y$ (33.32) (7.11)	a	.83	1.426	-356.4	-89.9	-139.5	-78.9
(2.1b)	$S = -6.766 + .136Y$ (26.28) (5.24)	b	.63	1.025	-317.9	-72.5	-117.4	-62.6
(2.1c)	$S = .5265 + .035Y$ (1.97) (.78)	c	.05	2.030	-66.7	34.9	17.4	39.8
(2.2a)	$S/P = -10.6771 + .1999Y/P$ (45.73) (6.99)	a	.83	1.299	-332.6	-77.7	-125.8	-73.8
(2.2b)	$S/P = -6.6090 + .1421Y/P$ (22.33) (3.48)	b	.43	.762	-247.8	-41.8	-79.9	-37.0
(2.2c)	$S/P = .4213 + .0355Y/P$ (1.73) (.92)	c	.07	2.127	-71.8	32.0	14.2	37.4
(2.3a)	$S/N = -59.9637 + .1472Y/N$ (29.14) (6.33)	a	.80	1.129	-319.2	-74.7	-115.3	-62.3
(2.3b)	$S/N = -51.41 + .1295Y/N$ (24.97) (5.55)	b	.66	1.095	-274.0	-55.4	-91.4	-44.4
(2.3c)	$S/N = -5.82 + .0527Y/N$ (2.66) (1.38)	c	.14	1.791	-107.4	16.2	-3.4	22.2
(2.4a)	$S/NP = -95.27 + .2229Y/NP$ (66.44) (8.27)	a	.87	1.573	-308.8	-67.7	-107.0	-61.9
(2.4b)	$S/NP = -85.66 + .2082Y/NP$ (44.95) (5.33)	b	.64	.827	-300.0	-65.1	-102.9	-58.3
(2.4c)	$S/NP = -12.15 + .0663Y/NP$ (6.14) (1.01)	c	.08	1.749	-117.6	11.6	-8.8	18.8

Table B-2 (cont.)

FUNG-TION NUMBER	FUNCTION*	PERIOD OF OBSERVA-TION**	PERCENTAGE OF ERROR IN ESTIMATE OF SAVINGS†		
			1948	1947	1949
(2.5a)	$S = -7.02 + .1952Y - .0568Y^{-1}$ (33.72) (6.78) (1.99)	a	.89	1.594	-335.9
(2.5b)	$S = -5.53 + .2030Y - .0870Y^{-1}$ (24.51) (.57) (2.42)	b	.74	1.118	-287.2
(2.5c)	$S = -.58 + .1600Y - .1140Y^{-1}$ (2.56) (2.43) (2.34)	c	.36	2.060	-115.4
(2.6a)	$S/P = -10.09 + .2204Y/P - .0306(Y/P)^{-1}$ (41.72) (4.71) (.57)	a	.84	1.231	-303.7
(2.6b)	$S/P = -4.98 + .2391Y/P - .1271(Y/P)^{-1}$ (18.12) (3.73) (1.88)	b	.54	1.130	-143.7
(2.6c)	$S/P = .98 + .1524Y/P - .1311(Y/P)^{-1}$ (4.61) (2.41) (2.19)	c	.35	2.448	8.2
(2.7a)	$S/N = -53.76 + .1996Y/N - .0641(Y/N)^{-1}$ (30.64) (6.40) (2.18)	a	.87	1.494	-303.7
(2.7b)	$S/N = -43.00 + .1998Y/N - .0863(Y/N)^{-1}$ (23.92) (.67) (2.45)	b	.76	1.169	-251.9
(2.7c)	$S/N = -12.69 + .1748Y/N - .1137(Y/N)^{-1}$ (6.77) (2.81) (2.31)	c	.42	2.034	-140.7
(2.8a)	$S/NP = -90.84 + .2420Y/NP - .0284(Y/NP)^{-1}$ (55.66) (5.94) (.64)	a	.88	1.586	-282.4
(2.8b)	$S/NP = -73.89 + .2635Y/NP - .0807(Y/NP)^{-1}$ (39.86) (4.78) (1.38)	b	.68	1.231	-229.4
(2.8c)	$S/NP = .96 + .1598Y/NP - .1229(Y/NP)^{-1}$ (5.4) (2.12) (1.97)	c	.32	2.067	-17.6
(2.9a)	$S = -18.17 + .1497Y + .0821N$ (77.12) (7.01) (1.05)	a	.85	1.355	-387.9

Table B-2 (cont.)

(2.9b)	$S = -.82 + .1314Y - .0456N$ (3.20) (4.98) (1.00)	b	.65	1.111	-282.1	-57.8	-97.7	-47.2
(2.9c)	$S = 5.85 + .0325Y - .0419N$ (21.94) (7.72) (1.01)	c	.13	2.142	-35.9	46.8	33.7	52.0
(2.10a)	$S/P = 7.98 + .2333Y/P - .1634N$ (39.97) (7.78) (2.03)	a	.88	1.526	-279.2	-52.4	-86.0	-45.2
(2.10b)	$S/P = 12.50 + .2278Y/P - .1968N$ (68.29) (7.54) (5.18)	b	.80	1.271	-242.8	-36.9	-64.8	-29.0
(2.10c)	$S/P = 8.81 + .1474Y/P - .1255N$ (39.31) (2.03) (1.77)	c	.27	1.613	-162.4	-4.4	-26.4	2.7
(2.11a)	$S = -7.74 + .1495Y + .0369T$ (32.93) (7.01) (1.08)	a	.85	1.539	-374.4	-96.3	-147.7	-85.4
(2.11b)	$S = -6.59 + .1334Y - .0143T$ (25.03) (4.95) (5.6)	b	.64	1.082	-300.0	-66.1	-108.1	-55.3
(2.11c)	$S = .86 + .0301Y - .0182T$ (3.18) (65) (77)	c	.10	2.513	-38.5	45.9	31.4	50.4
(2.12a)	$S/P = -12.80 + .2340Y/P - .0721T$ (62.70) (7.75) (2.02)	a	.88	1.481	-321.2	-72.8	-117.3	-69.0
(2.12b)	$S/P = -11.67 + .2256Y/P - .1017T$ (55.85) (6.41) (4.14)	b	.73	1.059	-275.5	-54.0	-92.5	-50.2
(2.12c)	$S/P = -4.12 + .1074Y/P - .0454T$ (17.17) (1.47) (1.15)	c	.17	1.712	-141.2	2.7	-21.9	7.5
(2.13a)	$S/N = -61.03 + .1493Y/N + .5247T$ (33.84) (7.32) (2.01)	a	.86	1.589	-373.3	-96.1	-144.3	-84.4
(2.13b)	$S/N = -54.78 + .1357Y/N + .1167T$ (25.98) (5.06) (5.51)	b	.66	1.041	-303.7	-67.6	-106.9	-55.6
(2.14a)	$S/NP = -100.32 + .2333Y/NP - .2202T$ (62.59) (7.84) (8.87)	a	.88	1.606	-291.8	-60.2	-95.9	-53.8

Table B-2 (cont.)

(2.14b)	$S/NP = -94.90 + .2270Y/NP - .4204T$	b	.75	1.125	-252.9	-44.2	-73.5	-39.6
(2.14c)	$S/NP = -39.92 + .1204Y/NP - .2501T$	c	.19	1.608	-141.2	2.3	-20.6	8.3
(2.15a)	$S = -7.05 + .1902Y - .0514Y_{-1} + .0133T$	a	.89	1.606	-346.2	-87.2	-124.4	-71.5
(2.15b)	$S = -5.28 + .2014Y - .0891Y_{-1} - .0182T$	b	.75	1.035	-262.3	-55.6	-74.8	-37.5
(2.15c)	$S = -2.25 + .1551Y - .1140Y_{-1} - .0181T$	c	.41	2.392	-89.7	17.4	22.1	33.3
(2.16a)	$S/P = -12.07 + .2700Y/P - .0486(Y/P)_{-1} - .0790T$	a	.90	1.146	-273.9	-62.3	-101.0	-60.0
(2.16b)	$S/P = -10.12 + .2866Y/P - .0889(Y/P)_{-1} - .0934T$	b	.79	1.185	-200.8	-39.4	-69.3	-38.6
(2.16c)	$S/P = -2.84 + .2062Y/P - .1243(Y/P)_{-1} - .0378T$	c	.42	2.043	-53.9	15.5	1.2	16.0
(2.17a)	$S/NP = -95.31 + .2649Y/NP$	a	.89	1.666	-247.6	-50.2	-80.6	-45.6
	$- .0423(Y/NP)_{-1} - .2888T$							
(2.17b)	$S/NP = -83.20 + .2818Y/NP$	b	.79	1.205	-179.4	-29.3	-51.5	-26.2
	$- .0799(Y/NP)_{-1} - .4189T$							
(2.17c)	$S/NP = -25.91 + .2099Y/NP$	c	.42	1.942	-43.5	19.3	8.5	19.6
	$- .1206(Y/NP)_{-1} - .2398T$							
(2.18b)	$S/Y = .0476 + .0821 \frac{Y - Y_0}{Y}$	b	.73	1.209	-130.4	3.4	-2.2	17.7

Table B-2 (concl.)

FUNCTION- NUMBER	FUNCTION*	PERIOD OF OBSERVA- TION**	PERCENTAGE OF ERROR IN ESTIMATE OF SAVINGS†				1950-K ₁
			R ²	K†	1947	1948	
(2.18c)	$S/Y = .0452 + .0350 \frac{Y - Y_0}{Y}$	c	.15	1.710	-104.3	15.5	2.2
(2.19b)	$S/Y = .0407 + .1671 \frac{Y/P - (Y/P)_0}{Y/P}$	b	.83	1.451	-26.1	20.7	8.7
(2.19c)	$S/Y = .0411 + .1242 \frac{Y/P - (Y/P)_0}{Y/P}$	c	.34	1.564	-39.1	22.4	19.4
(2.20b)	$S/Y = .0495 + .0759 \frac{Y/N - (Y/N)_0}{Y/N}$	b	.69	1.117	-130.4	3.4	-4.3
(2.20c)	$S/Y = .0458 + .0283 \frac{Y/N - (Y/N)_0}{Y/N}$	c	.13	1.748	-104.3	17.2	2.2
(2.21b)	$S/Y = .0448 + .1567 \frac{Y/NP - (Y/NP)_0}{Y/NP}$	b	.80	1.350	-30.4	19.0	6.5
(2.21c)	$S/Y = .0441 + .0975 \frac{Y/NP - (Y/NP)_0}{Y/NP}$	c	.27	1.523	-52.2	20.7	6.5
(2.22b)	$S/Y = -.1542 + .1981 \frac{Y/NP}{(Y/NP)_0}$	b	.76	1.338	-17.4	19.0	8.7
(2.22c)	$S/Y = -.0650 + .1088 \frac{Y/NP}{(Y/NP)_0}$	c	.29	1.521	-47.8	20.7	8.7

* Figures in parentheses underneath coefficients are the absolute values of the ratios of those particular coefficients to their standard errors. Origin of T is Jan. 1, 1935 for functions fitted to 1929-40 and Jan. 1, 1932 for all others. Each unit of T is six months.
** a = 1929-40; b = 1923-40; c = 1923-30, '35-'40.
† The von Neumann ratio K for testing for the presence of auto-correlation in the residuals is the ratio of the mean-square successive difference to the variance (of the residuals). The

expected values of K and the 5% and 1% points of its distribution are as follows:

Expected value	5%	1%
1929-40	2.182	1.071, 3.293
1923-40	2.118	1.206, 3.030
1923-30, '35-'40	2.154	1.123, 3.185

‡ Negative signs indicate overestimates; positive signs, underestimates.

NATIONAL BUREAU PUBLICATIONS IN PRINT
 (Partial list)

BOOKS

GENERAL SERIES

7	<i>Income in the Various States: Its Sources and Distribution, 1919, 1920 and 1921</i> (1925) Maurice Leven	306 pp., \$3.50
9	<i>Migration and Business Cycles</i> (1926) Harry Jerome	258 pp., 2.50
10	<i>Business Cycles: The Problem and Its Setting</i> (1927). Listed also as the first number under Studies in Business Cycles. Wesley C. Mitchell	514 pp., 5.00
12	<i>Trends in Philanthropy</i> (1928) W. I. King	78 pp., 1.00
20	<i>The Purchase of Medical Care through Fixed Periodic Payment</i> (1932) Pierce Williams	326 pp., 3.00
22	<i>Seasonal Variations in Industry and Trade</i> (1933) Simon Kuznets	480 pp., 4.00
†23	<i>Production Trends in the United States since 1870</i> (1934) A. F. Burns	396 pp., 4.00
†24	<i>Strategic Factors in Business Cycles</i> (1934) J. M. Clark	256 pp., 2.50
25	<i>German Business Cycles, 1924-1933</i> (1934) C. T. Schmidt	308 pp., 2.50
26	<i>Industrial Profits in the United States</i> (1934) R. C. Epstein	692 pp., 5.00
27	<i>Mechanization in Industry</i> (1934) Harry Jerome	518 pp., 3.50
28	<i>Corporate Profits as Shown by Audit Reports</i> (1935) W. A. Paton	166 pp., 1.25
29	<i>Public Works in Prosperity and Depression</i> (1935) A. D. Gayer	482 pp., 3.00
30	<i>Ebb and Flow in Trade Unionism</i> (1936) Leo Wolman	272 pp., 2.50
31	<i>Prices in Recessions and Recovery</i> (1936) Frederick C. Mills	602 pp., 4.00
33	<i>Some Theoretical Problems Suggested by the Movements of Interest Rates, Bond Yields and Stock Prices in the United States since 1856</i> (1938) F. R. Macaulay	612 pp., 5.00
	<i>The Social Sciences and the Unknown Future</i> , a reprint of the introductory chapter of Mr. Macaulay's volume.	.25
38	<i>Residential Real Estate: Its Economic Position as Shown by Values, Rents, Family Incomes, Financing, and Construction, Together with Estimates for All Real Estate</i> (1941) D. L. Wickens	8½ x 12, 330 pp., 3.50
40	<i>National Income and Its Composition, 1919-1938</i> (1941) Simon Kuznets	1012 pp., 5.00
44	<i>National Product in Wartime</i> (1945) Simon Kuznets	174 pp., 2.00

†Available from Augustus M. Kelley, Inc., 31 East 10th Street, New York 3, N. Y.

46	<i>National Products since 1869</i> (1946)	258 pp., 3.00
	Simon Kuznets	
47	<i>Output and Productivity in the Electric and Gas Utilities, 1899-1942</i> (1946)	208 pp., 3.00
	J. M. Gould	
48	<i>Value of Commodity Output since 1869</i> (1947)	320 pp., 4.00
	W. H. Shaw	
49	<i>Business Incorporations in the United States, 1800-1943</i> (1948)	8½ x 11¼, 192 pp., 6.00
	G. Heberton Evans, Jr.	
50	<i>The Statistical Agencies of the Federal Government: A Report to the Commission on Organization of the Executive Branch of the Government</i> (1949)	224 pp., 2.00
	F. C. Mills and C. D. Long	
51	<i>The Transportation Industries, 1889-1946: A Study of Output, Employment, and Productivity</i> (1951)	304 pp., 4.00
	Harold Barger	
52	<i>Deterioration in the Quality of Foreign Bonds Issued in the United States, 1920-1930</i> (1951)	112 pp., 2.00
	Ilse Mintz	
53	<i>Wesley Clair Mitchell: The Economic Scientist</i> (1952)	398 pp., 4.00
	Arthur F. Burns (ed.)	
54	<i>A Study of Moneyflows in the United States</i> (1952)	620 pp., 7.50
	Morris A. Copeland	
55	<i>Shares of Upper Income Groups in Income and Savings</i> (1953)	768 pp., 9.00
	Simon Kuznets	
56	<i>The Trend of Government Activity in the United States since 1900</i> (1952)	288 pp., 4.00
	Solomon Fabricant	
57	<i>The Cumulation of Economic Knowledge</i> (in press)	
	Arthur F. Burns	

O C C A S I O N A L P A P E R S

3	<i>Finished Commodities since 1879: Output and Its Composition</i> (1941)	.25
	William H. Shaw	
5	<i>Railway Freight Traffic in Prosperity and Depression</i> (1942)	.25
	Thor Hultgren	
10	<i>The Effect of War on Business Financing: Manufacturing and Trade, World War I</i> (1943)	.50
	C. H. Schmidt and R. A. Young	
11	<i>The Effect of War on Currency and Deposits</i> (1943)	.35
	Charles R. Whittlesey	
12	<i>Prices in a War Economy: Some Aspects of the Present Price Structure of the United States</i> (1943)	.50
	Frederick C. Mills	
13	<i>Railroad Travel and the State of Business</i> (1943)	.35
	Thor Hultgren	
14	<i>The Labor Force in Wartime America</i> (1944)	.50
	Clarence D. Long	
15	<i>Railway Traffic Expansion and Use of Resources in World War II</i> (1944)	.35
	Thor Hultgren	
17	<i>National Product, War and Prewar</i> (1944)	.50
	Simon Kuznets	
18	<i>Production of Industrial Materials in World Wars I and II</i> (1944)	.50
	Geoffrey H. Moore	

19	<i>Canada's Financial System in War</i> (1944)	.50
	Benjamin H. Higgins	
20	<i>Nazi War Finance and Banking</i> (1944)	.50
	Otto Nathan	
22	<i>Bank Liquidity and the War</i> (1945)	.50
	Charles R. Whittlesey	
23	<i>Labor Savings in American Industry, 1899-1939</i> (1945)	.50
	Solomon Fabricant	
24	<i>Domestic Servants in the United States, 1900-1940</i> (1946)	.50
	George J. Stigler	
25	<i>Recent Developments in Dominion-Provincial Fiscal Relations in Canada</i> (1948)	.50
	J. A. Maxwell	
27	<i>The Structure of Postwar Prices</i> (1948)	.75
	Frederick C. Mills	
28	<i>Lombard Street in War and Reconstruction</i> (1949)	1.00
	Benjamin H. Higgins	
29	<i>The Rising Trend of Government Employment</i> (1949)	.50
	Solomon Fabricant	
30	<i>Costs and Returns on Farm Mortgage Lending by Life Insurance Companies, 1945-1947</i> (1949)	1.00
	R. J. Saulnier	
31	<i>Statistical Indicators of Cyclical Revivals and Recessions</i> (1950)	1.50
	Geoffrey H. Moore	
32	<i>Cyclical Diversities in the Fortunes of Industrial Corporations</i> (1950)	.50
	Thor Hultgren	
33	<i>Employment and Compensation in Education</i> (1950)	1.00
	George J. Stigler	
34	<i>Behavior of Wage Rates during Business Cycles</i> (1950)	1.00
	Daniel Creamer	
35	<i>Shares of Upper Income Groups in Income and Savings</i> (1950)	1.00
	Simon Kuznets	
36	<i>The Labor Force in War and Transition: Four Countries</i> (1952)	1.00
	Clarence D. Long	
37	<i>Trends and Cycles in Corporate Bond Financing</i> (1952)	.75
	W. Braddock Hickman	
38	<i>Productivity and Economic Progress</i> (1952)	.75
	Frederick C. Mills	
39	<i>The Role of Federal Credit Aids in Residential Construction</i>	
	Leo Grebler	1.00
	T E C H N I C A L P A P E R S	
3	<i>Basic Yields of Corporate Bonds, 1900-1942</i> (1942)	.50
	David Durand	
4	<i>Currency Held by the Public, the Banks, and the Treasury, Monthly, December 1917-December 1944</i> (1947)	.75
	Anna Jacobson Schwartz and Elma Oliver	
5	<i>Concerning a New Federal Financial Statement</i> (1947)	1.00
	Morris A. Copeland	
7	<i>Factors Affecting the Demand for Consumer Instalment Sales Credit</i> (1952)	1.50
	Avram Kisselgoff	
8	<i>A Study of Aggregate Consumption Functions</i> (1953)	1.50
	Robert Ferber	

BOOKS ON DEMAND

MASTER BOOK RECORD

A BOOK PUBLISHING SERVICE OF UNIVERSITY MICROFILMS INTERNATIONAL
300 N. Zeeb Road, Ann Arbor, MI 48106 • 18 Bedford Row, London, WC1R 4EJ, England

BOOK ORDER NUMBER 2006847 SUFFIX 0 0 0 60 DATE AVAILABLE _____

U.S. PRICES	PAPER BOUND (X) \$ <u>10.00</u>	CLOTH BOUND (LB) \$ <u>15.00</u>
	35MM ROLL MICROFILM (M) \$ <u> </u>	MICROFICHE (F) \$ <u> </u>

Paper and cloth bound reprints are photocopies of the original book produced from either microfilm or the original book. All copies are perfect bound. Please add 10% to these prices for delivery to Canada or Mexico and 15% for the rest of the world. U.S. customers please add state sales tax. Prepayment is required from individuals. Shipping charges are also extra. (If this book has more than one volume, pricing information is on the attached sheet.) All prices are subject to change without notice.

Cancel 01AC 00000	CR No. 01AD	CR Suffix 01AE	No. S/P 01AF 0000A
No. F/O 01AG 00000	No. Binds 01AH 01	Format 01AI 2B	Contract 01AJ A
Book 01AK A	Film 01AL A	Catalog 01AM A	Pg Count 03AA 82
Unit 03AB 1200	Reduce 03AG 130	Enlarge 03AH 130	78226

AUTHOR 05AA National Bureau of Economic Research,
 TITLE 07AA A study of aggregate consumption functions <by> Robert Ferber,
 SERIES 11AA (National Bureau of Economic Research, Technical paper 8),
 PUBLISHER 13AA <New York> National Bureau of Economic Research, 1953,

Restrictions 23AA	23AB	23AC	23AD
R.R. No. 25AA R00 1098C		Roy % Mic 25AB , 10000	Roy % Xerox 25AC , 10000
LC Class No. 27AA HA30301, F46		LC Card No. 27AB 53-11148	

COMMENTS:

