

## Section 14

# PRICES

This section presents indexes of consumer prices for Honolulu, average prices for selected foods, and comparisons of Honolulu living costs with those in other metropolitan areas. Other statistics on prices are reported in Sections 7, 16, 17, 18, 21, and 23.

During the first six months of 1987, the Honolulu all-items consumer price index for all urban consumers averaged 311.9, with the 1967 level equal to 100. The index had increased 4.1 percent over the first half of 1986, 16.6 percent since 1982, and 82.4 percent since 1977. Prices have risen most rapidly since 1967 for medical care (347.6 percent) and least rapidly for apparel commodities (97.2 percent).

An "intermediate" budget for a four-person family living on Oahu was estimated at \$31,893 as of the Autumn of 1981. This family budget was 26 percent higher than the corresponding urban United States average, and was first among the 25 American metropolitan areas surveyed. The "lower" budget was 33 percent above the national figure; the "higher" budget, 32 percent. Oahu-Mainland differentials in the intermediate budget were greatest for rents and personal income taxes and least for food away from home and automobile transportation. An unofficial 1987 survey of 100 U.S. cities ranked Honolulu sixth in overall living costs, 14.5 percent above the median area.

The Honolulu consumer price index has been compiled by the United States Bureau of Labor Statistics since December 1963. This index measures the average change in prices of goods and services purchased by urban families and single persons living alone. Prices are expressed as a percent of the average levels reported in 1967, the base date. Current data for Honolulu and other cities are published in CPI Detailed Report, issued monthly by BLS.

Technical changes made in the consumer price index during the past decade have affected its coverage, treatment of specific expenditure categories, weights, base period, and frequency of publication. In 1978, the Bureau of Labor Statistics began calculation of a new index, the CPI-U, covering all urban consumers, in addition to the older index, the CPI-W, which was limited to urban wage earners and clerical workers and their families. In 1983, the basis for measuring homeowners' costs was substantially modified. In 1987, component weights based on a 1982-1984 survey replaced the older weights derived from 1972-1973 data. At the same time, the publication of the Honolulu indexes was moved from a bimonthly to a semi-annual basis. Beginning in 1988, the base period will be 1982-1984 instead of 1967.

Official comparisons of Honolulu and Mainland living costs are no longer being made. The annual four-person family budgets estimated by the Bureau of Labor Statistics for Honolulu and 39 (later 24) Mainland areas were discontinued after 1981. The annual comparison of prices in Hawaii and Washington, D.C., compiled by the U.S. Office of Personnel Management to provide a basis for cost of living adjustments for Federal employees, has not been published since 1983. The only current information on intercity differences is that provided by a private consultant firm, Runzheimer International. Annual surveys of food prices in Honolulu and other cities are regularly made by the Tampa Tribune.

No composite wholesale or producer price index, comparable to the all-items consumer price index, is available for Hawaii. Average wholesale prices of agricultural products are reported in Statistics of Hawaiian Agriculture, issued by the Hawaii Agricultural Statistics Service, and in various other publications of the State Department of Agriculture. Wholesale price statistics of other commodities are usually unavailable.

Data on prices and living costs for the nation as a whole and other areas are summarized in Statistical Abstract of the United States: 1987, Section 15. Long-term trends for Hawaii are traced in Historical Statistics of Hawaii, Section 5.

Table 432.-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 1987

[1967 average = 100]

| Year     | All urban consumers (CPI-U) |            |             | Urban wage earners and clerical workers (CPI-W) |            |             |
|----------|-----------------------------|------------|-------------|---|------------|-------------|
|          | Annual average              | First half | Second half | Annual average                                  | First half | Second half |
| 1984 ... | 284.8                       | 282.3      | 287.3       | 291.3   | 287.8      | 294.7       |
| 1985 ... | 294.1                       | 292.6      | 295.7       | 301.4   | 300.0      | 302.8       |
| 1986 ... | 301.1                       | 299.7      | 302.5       | 308.2   | 306.9      | 309.4       |
| 1987 ... | ...                         | 311.9      | ...         | ...   | 319.2      | ...         |

Source: U.S. Bureau of Labor Statistics, printouts and press releases.

Table 433.-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER,  
FOR HONOLULU: 1963 TO 1986

[1967 average = 100]

| Type of consumer and year                | Annual average | February            | April | June  | August              | October | December |
|--|----------------|---------------------|-------|-------|---------------------|---------|----------|
| All urban consumers: <sup>1/</sup>       |                |                     |       |       |                     |         |          |
| 1978 .....                               | 184.1          | 178.0               | 181.4 | 183.9 | 185.6               | 188.8   | 191.3    |
| 1979 .....                               | 204.6          | 196.2               | 200.7 | 204.4 | 207.2               | 210.5   | 214.8    |
| 1980 .....                               | 228.5          | 220.9               | 227.4 | 227.5 | 230.1               | 234.6   | 236.1    |
| 1981 .....                               | 252.4          | 243.3               | 250.0 | 252.8 | 256.6               | 259.3   | 258.3    |
| 1982 .....                               | 267.6          | 262.0               | 263.3 | 269.0 | 269.4               | 275.2   | 269.9    |
| 1983 .....                               | 273.5          | 270.4               | 272.8 | 271.4 | 273.5               | 276.4   | 278.4    |
| 1984 .....                               | 284.8          | 280.7               | 283.2 | 284.7 | 286.0               | 287.4   | 289.8    |
| 1985 .....                               | 294.1          | 292.6               | 292.7 | 293.5 | 294.2               | 295.6   | 298.5    |
| 1986 .....                               | 301.1          | 301.2               | 299.0 | 299.2 | 301.5               | 302.2   | 305.4    |
| Urban wage earners and clerical workers: |                |                     |       |       |                     |         |          |
| 1963 .....                               | ...            |                     | ...   | ...   |                     |         | 92.8     |
| 1964 .....                               | 92.9           | <sup>2/</sup> 93.2  |       | 92.4  | <sup>3/</sup> 92.9  | 92.9    | 93.7     |
| 1965 .....                               | 94.6           | <sup>2/</sup> 94.2  |       | 94.1  | <sup>3/</sup> 94.7  | 94.7    | 96.2     |
| 1966 .....                               | 97.3           | <sup>2/</sup> 96.6  |       | 96.8  | <sup>3/</sup> 97.9  | 97.9    | 98.8     |
| 1967 .....                               | 100.0          | <sup>2/</sup> 98.9  |       | 99.7  | <sup>3/</sup> 100.6 | 100.6   | 101.8    |
| 1968 .....                               | 103.8          | <sup>2/</sup> 102.8 |       | 103.4 | <sup>3/</sup> 104.6 | 104.6   | 105.7    |
| 1969 .....                               | 108.5          | <sup>2/</sup> 107.2 |       | 108.2 | <sup>3/</sup> 109.6 | 109.6   | 111.0    |
| 1970 .....                               | 114.2          | <sup>2/</sup> 113.2 |       | 114.4 | <sup>3/</sup> 114.9 | 114.9   | 115.7    |
| 1971 .....                               | 118.9          | <sup>2/</sup> 116.7 |       | 118.5 | <sup>3/</sup> 121.2 | 121.2   | 121.1    |
| 1972 .....                               | 122.8          | <sup>2/</sup> 122.4 |       | 122.2 | <sup>3/</sup> 123.1 | 123.1   | 124.4    |
| 1973 .....                               | 128.3          | <sup>2/</sup> 126.0 |       | 127.5 | <sup>3/</sup> 129.6 | 129.6   | 132.8    |
| 1974 .....                               | 141.9          | <sup>2/</sup> 137.7 |       | 141.2 | <sup>3/</sup> 145.5 | 145.5   | 148.5    |
| 1975 .....                               | 155.0          | <sup>2/</sup> 151.9 |       | 154.3 | <sup>3/</sup> 157.6 | 157.6   | 159.8    |
| 1976 .....                               | 162.8          | <sup>2/</sup> 161.1 |       | 162.3 | <sup>3/</sup> 164.0 | 164.0   | 165.5    |
| 1977 .....                               | 171.0          | <sup>2/</sup> 168.3 |       | 170.5 | <sup>3/</sup> 173.4 | 173.4   | 174.9    |
| 1978 .....                               | 184.1          | 177.5               | 181.3 | 184.1 | 186.0               | 188.7   | 191.2    |
| 1979 .....                               | 204.5          | 196.0               | 200.0 | 203.6 | 207.2               | 211.1   | 215.5    |
| 1980 .....                               | 228.7          | 221.3               | 228.4 | 228.0 | 229.5               | 233.5   | 237.0    |
| 1981 .....                               | 252.8          | 243.5               | 250.2 | 253.8 | 256.6               | 259.1   | 259.3    |
| 1982 .....                               | 268.1          | 263.0               | 264.2 | 268.9 | 269.5               | 274.7   | 271.0    |
| 1983 .....                               | 278.8          | 274.8               | 276.9 | 273.4 | 278.2               | 285.9   | 288.2    |
| 1984 .....                               | 291.3          | 284.3               | 289.0 | 290.9 | 293.6               | 294.5   | 297.6    |
| 1985 .....                               | 301.4          | 300.3               | 300.1 | 300.4 | 301.3               | 302.7   | 305.8    |
| 1986 .....                               | 308.2          | 308.5               | 306.7 | 306.5 | 308.3               | 308.8   | 312.7    |

<sup>1/</sup> Not available before 1978.

<sup>2/</sup> March index.

<sup>3/</sup> September index.

Source: U.S. Bureau of Labor Statistics, San Francisco, Consumer Price Index - Pacific Cities and U.S. Average (monthly), as corrected.

Table 434.-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS, BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1982 TO 1986

[Unless otherwise specified, 1967=100]

| Group                                   | 1982  | 1983  | 1984  | 1985  | 1986  |
|---|-------|-------|-------|-------|-------|
| All items .....                         | 267.6 | 273.5 | 284.8 | 294.1 | 301.1 |
| Food and beverages .....                | 288.3 | 296.0 | 308.2 | 320.6 | 327.2 |
| Food .....                              | 298.8 | 306.7 | 319.7 | 332.2 | 339.0 |
| Food at home .....                      | 300.2 | 305.2 | 318.6 | 328.6 | 335.8 |
| Cereals and bakery products .....       | 278.9 | 289.3 | 300.8 | 316.9 | 326.6 |
| Meats, poultry, fish, and eggs ...      | 283.4 | 286.6 | 292.2 | 294.8 | 299.8 |
| Meats, poultry, and fish .....          | 288.2 | 291.8 | 295.8 | 299.5 | 304.5 |
| Dairy products .....                    | 285.5 | 287.6 | 291.6 | 298.5 | 302.8 |
| Fruits and vegetables .....             | 329.3 | 324.9 | 359.3 | 377.9 | 379.4 |
| Other foods at home .....               | 344.5 | 358.4 | 376.6 | 392.0 | 407.4 |
| Food away from home .....               | 299.7 | 314.1 | 327.9 | 340.9 | 349.6 |
| Alcoholic beverages .....               | 200.0 | 206.0 | 210.5 | 222.7 | 228.3 |
| Housing .....                           | 255.0 | 257.5 | 268.2 | 275.8 | 282.2 |
| Shelter .....                           | 253.7 | 257.2 | 271.2 | 282.9 | 296.8 |
| Renters' costs <u>1/</u> .....          | (NA)  | 102.7 | 109.4 | 115.0 | 121.1 |
| Rent, residential .....                 | 240.7 | 253.0 | 269.0 | 281.9 | 297.3 |
| Other renters' costs .....              | 338.5 | 382.9 | 414.4 | 446.5 | 463.7 |
| Homeowners' costs <u>1/</u> .....       | (NA)  | 100.6 | 105.9 | 110.4 | 115.7 |
| Owners' equivalent rent <u>1/</u> ..... | (NA)  | 100.6 | 105.8 | 110.4 | 115.8 |
| Fuel and other utilities .....          | 352.3 | 339.9 | 347.0 | 337.9 | 303.4 |
| Fuels .....                             | 500.4 | 446.0 | 457.3 | 435.4 | 352.0 |
| Gas (piped) and electricity .....       | 500.4 | 445.3 | 456.5 | 434.3 | 350.0 |
| Electricity .....                       | (NA)  | (NA)  | 452.4 | 428.2 | 340.3 |
| Utility (piped) gas .....               | (NA)  | (NA)  | 451.4 | 448.2 | 400.9 |
| Household furnishings and operation ..  | 210.4 | 216.7 | 219.0 | 221.9 | 225.6 |
| Apparel and upkeep .....                | 201.5 | 207.7 | 205.1 | 203.9 | 204.4 |
| Apparel commodities .....               | 195.5 | 200.9 | 197.1 | 195.1 | 194.8 |
| Men's and boys' apparel .....           | 197.2 | 201.1 | 202.2 | 208.5 | 213.8 |
| Women's and girls' apparel .....        | 183.7 | 186.9 | 185.8 | 190.6 | 189.2 |
| Footwear .....                          | 187.4 | 190.9 | 194.5 | 197.0 | 192.5 |
| Transportation .....                    | 255.6 | 253.7 | 265.7 | 270.9 | 271.7 |
| Private transportation .....            | 260.1 | 258.7 | 272.3 | 277.6 | 277.9 |
| Motor fuel <u>2/</u> .....              | (NA)  | (NA)  | 194.9 | 196.8 | 173.0 |
| Gasoline <u>2/</u> .....                | (NA)  | (NA)  | 195.5 | 197.3 | 173.3 |
| Public transportation .....             | 236.7 | 231.9 | 234.2 | 238.6 | 243.1 |
| Medical care .....                      | 324.3 | 357.6 | 379.7 | 400.6 | 432.8 |
| Entertainment .....                     | 246.7 | 257.6 | 268.9 | 288.4 | 291.8 |
| Other goods and services .....          | 275.6 | 303.7 | 319.1 | 336.8 | 358.1 |
| Personal care .....                     | 276.4 | 284.9 | 283.5 | 292.2 | 302.2 |

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Table 434.-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS, BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1982 TO 1986 -- Con.

| Group  | 1982  | 1983  | 1984  | 1985  | 1986  |
|--|-------|-------|-------|-------|-------|
| All items .....                                | 267.6 | 273.5 | 284.8 | 294.1 | 301.1 |
| Commodities .....                              | 257.0 | 263.8 | 272.2 | 279.3 | 280.7 |
| Food and beverages .....                       | 288.3 | 296.0 | 308.2 | 320.6 | 327.2 |
| Commodities less food and beverages ..         | 231.8 | 237.8 | 243.6 | 247.3 | 245.2 |
| Nondurables less food and beverages            | 263.0 | 270.8 | 275.1 | 281.2 | 276.3 |
| Durables .....                                 | 200.7 | 205.7 | 213.7 | 214.3 | 216.0 |
| Services .....                                 | 284.9 | 289.5 | 304.2 | 316.0 | 329.0 |
| Medical care services .....                    | 338.7 | 375.1 | 398.2 | 418.8 | 452.7 |
| Special indexes:                               |       |       |       |       |       |
| All items less shelter .....                   | 269.4 | 276.4 | 286.5 | 294.8 | 298.8 |
| All items less medical care .....              | 263.9 | 268.5 | 279.2 | 288.0 | 293.7 |
| All items less energy <u>3</u> / .....         | 148.7 | 153.2 | 159.9 | 166.0 | 172.5 |
| Energy <u>2</u> / .....                        | 207.8 | 192.3 | 196.5 | 193.1 | 163.7 |
| Commodities less food .....                    | 229.6 | 235.6 | 241.3 | 245.4 | 243.7 |
| Nondurables less food .....                    | 255.3 | 262.9 | 267.2 | 273.7 | 269.7 |
| Nondurables .....                              | 278.9 | 286.7 | 295.3 | 304.8 | 306.0 |
| Services less rent of shelter <u>1</u> / ..... | (NA)  | 101.3 | 105.8 | 109.2 | 112.6 |
| Services less medical care .....               | 274.6 | 276.3 | 290.0 | 300.8 | 311.8 |

NA Not available.

1/ December 1982=100.

2/ June 1978=100.

3/ December 1977=100.

Source: U.S. Bureau of Labor Statistics, CPI Detailed Report, January issues, 1983 to 1987.

Table 435.-- CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS, BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1982 TO 1986

[Unless otherwise specified, 1967=100]

| Group                                    | 1982  | 1983  | 1984  | 1985  | 1986  |
|--|-------|-------|-------|-------|-------|
| All items .....                          | 268.1 | 278.8 | 291.3 | 301.4 | 308.2 |
| Food and beverages .....                 | 292.4 | 300.3 | 313.2 | 326.9 | 334.6 |
| Food .....                               | 303.7 | 311.8 | 325.5 | 339.5 | 347.6 |
| Food at home .....                       | 306.6 | 312.4 | 326.6 | 338.5 | 346.9 |
| Cereals and bakery products .....        | 273.7 | 281.7 | 292.5 | 307.4 | 315.7 |
| Meats, poultry, fish, and eggs ...       | 298.5 | 302.7 | 311.6 | 320.1 | 327.5 |
| Meats, poultry, and fish .....           | 304.4 | 309.1 | 316.7 | 326.5 | 334.2 |
| Dairy products .....                     | 285.6 | 287.8 | 291.6 | 298.3 | 302.5 |
| Fruits and vegetables .....              | 330.2 | 327.5 | 360.8 | 377.3 | 381.2 |
| Other foods at home .....                | 352.1 | 366.5 | 385.3 | 401.3 | 416.9 |
| Food away from home .....                | 298.9 | 313.5 | 327.9 | 341.0 | 350.3 |
| Alcoholic beverages .....                | 195.3 | 201.7 | 206.4 | 218.2 | 223.8 |
| Housing .....                            | 251.9 | 265.8 | 278.5 | 288.2 | 294.6 |
| Shelter .....                            | 246.8 | 266.1 | 282.9 | 297.8 | 312.3 |
| Renters' costs <u>1</u> / .....          | (NA)  | (NA)  | (NA)  | 102.8 | 108.2 |
| Rent, residential .....                  | 240.7 | 253.0 | 269.0 | 281.9 | 297.3 |
| Other renters' costs .....               | 343.5 | 391.4 | 425.4 | 459.8 | 475.0 |
| Homeowners' costs <u>1</u> / .....       | (NA)  | (NA)  | (NA)  | 103.3 | 108.4 |
| Owners' equivalent rent <u>1</u> / ..... | (NA)  | (NA)  | (NA)  | 103.3 | 108.4 |
| Fuel and other utilities .....           | 352.2 | 340.1 | 347.0 | 337.9 | 303.4 |
| Fuels .....                              | 499.0 | 445.5 | 456.4 | 434.8 | 351.8 |
| Gas (piped) and electricity .....        | 498.8 | 444.9 | 455.7 | 433.9 | 350.4 |
| Electricity .....                        | (NA)  | (NA)  | 452.4 | 428.1 | 340.3 |
| Utility (piped) gas .....                | (NA)  | (NA)  | 451.5 | 448.3 | 401.1 |
| Household furnishings and operation ..   | 219.6 | 226.8 | 228.1 | 232.5 | 237.4 |
| Apparel and upkeep .....                 | 208.1 | 214.6 | 212.3 | 210.5 | 211.9 |
| Apparel commodities .....                | 201.9 | 207.5 | 203.9 | 201.2 | 201.8 |
| Men's and boys' apparel .....            | 198.0 | 201.4 | 203.1 | 210.7 | 216.1 |
| Women's and girls' apparel .....         | 159.4 | 162.1 | 162.0 | 165.9 | 166.1 |
| Footwear .....                           | 172.8 | 175.8 | 179.0 | 181.1 | 177.3 |
| Transportation .....                     | 255.8 | 253.3 | 265.3 | 270.2 | 270.2 |
| Private transportation .....             | 261.7 | 259.4 | 272.8 | 277.8 | 277.2 |
| Motor fuel <u>2</u> / .....              | (NA)  | (NA)  | 194.0 | 195.9 | 172.2 |
| Gasoline <u>2</u> / .....                | (NA)  | (NA)  | 194.6 | 196.4 | 172.5 |
| Public transportation .....              | 237.5 | 232.7 | 234.9 | 239.3 | 243.6 |
| Medical care .....                       | 332.5 | 365.2 | 386.3 | 406.7 | 437.6 |
| Entertainment .....                      | 257.7 | 270.0 | 282.5 | 302.3 | 305.5 |
| Other goods and services .....           | 269.7 | 299.4 | 313.8 | 331.0 | 350.5 |
| Personal care .....                      | 261.3 | 269.5 | 268.5 | 277.0 | 286.3 |

Continued on next page.

Table 435.-- CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS, BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1982 TO 1986 -- Con.

| Group   | 1982  | 1983  | 1984  | 1985  | 1986  |
|---|-------|-------|-------|-------|-------|
| All items .....                                   | 268.1 | 278.8 | 291.3 | 301.4 | 308.2 |
| Commodities .....                                 | 259.5 | 267.0 | 276.4 | 284.7 | 286.4 |
| Food and beverages .....                          | 292.4 | 300.3 | 313.2 | 326.9 | 334.6 |
| Commodities less food and beverages ..            | 233.3 | 240.3 | 247.6 | 253.4 | 251.1 |
| Nondurables less food and beverages               | 269.8 | 277.3 | 282.3 | 288.4 | 282.6 |
| Durables .....                                    | 197.9 | 204.3 | 212.8 | 217.7 | 220.1 |
| Services .....                                    | 283.0 | 299.0 | 316.3 | 328.8 | 342.1 |
| Medical care services .....                       | 350.0 | 385.9 | 407.8 | 428.0 | 460.3 |
| Special indexes:                                  |       |       |       |       |       |
| All items less shelter .....                      | 273.7 | 280.5 | 290.8 | 299.4 | 303.5 |
| All items less medical care .....                 | 264.0 | 273.8 | 285.8 | 295.4 | 301.0 |
| All items less energy <sup>3/</sup> .....         | 148.5 | 156.0 | 163.4 | 170.0 | 176.7 |
| Energy <sup>2/</sup> .....                        | 205.5 | 191.1 | 195.0 | 192.3 | 163.7 |
| Commodities less food .....                       | 230.8 | 237.8 | 245.0 | 251.1 | 249.1 |
| Nondurables less food .....                       | 260.9 | 268.3 | 273.2 | 279.7 | 275.0 |
| Nondurables .....                                 | 284.1 | 291.9 | 301.2 | 311.5 | 313.1 |
| Services less rent of shelter <sup>1/</sup> ..... | (NA)  | (NA)  | (NA)  | 101.0 | 104.1 |
| Services less medical care .....                  | 271.5 | 285.3 | 301.8 | 313.4 | 324.7 |

NA Not available.

<sup>1/</sup> December 1984=100.

<sup>2/</sup> June 1978=100.

<sup>3/</sup> December 1977=100.

Source: U.S. Bureau of Labor Statistics, CPI Detailed Report, January issues, 1983 to 1987.

Table 436.-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER  
PRICE INDEX FOR HONOLULU: DECEMBER 1986

[Percent of all items]

| Group                                      | CPI-U <u>1</u> / | CPI-W <u>2</u> / |
|--|------------------|------------------|
| EXPENDITURE CATEGORY                       |                  |                  |
| All items .....                            | 100.000          | 100.000          |
| Food and beverages .....                   | 21.261           | 22.576           |
| Food .....                                 | 19.775           | 20.817           |
| Food at home .....                         | 12.579           | 12.804           |
| Cereals and bakery products .....          | 1.605            | 1.841            |
| Meats, poultry, fish, and eggs .....       | 4.089            | 4.424            |
| Meats, poultry, and fish .....             | 3.822            | 4.086            |
| Dairy products .....                       | 1.091            | 1.030            |
| Fruits and vegetables .....                | 2.788            | 2.681            |
| Other foods at home .....                  | 3.005            | 2.827            |
| Food away from home .....                  | 7.196            | 8.014            |
| Alcoholic beverages .....                  | 1.486            | 1.759            |
| Housing .....                              | 41.140           | 38.542           |
| Shelter .....                              | 30.070           | 27.814           |
| Renters' costs .....                       | 9.066            | 9.195            |
| Rent, residential .....                    | 7.830            | 8.343            |
| Other renters' costs .....                 | 1.236            | .852             |
| Homeowners' costs .....                    | 20.777           | 18.413           |
| Owners' equivalent rent .....              | 20.510           | 18.224           |
| Fuel and other utilities .....             | 4.609            | 4.919            |
| Fuels .....                                | 2.130            | 2.257            |
| Fuel oil, coal, and bottled gas .....      | .020             | .024             |
| Fuel oil .....                             | .001             | .004             |
| Other fuels .....                          | .019             | .021             |
| Gas (piped) and electricity .....          | 2.110            | 2.232            |
| Electricity .....                          | 1.914            | 1.949            |
| Utility (piped) gas .....                  | .196             | .283             |
| Household furnishings and operations ..... | 6.462            | 5.809            |
| Apparel and upkeep .....                   | 5.817            | 6.117            |
| Apparel commodities .....                  | 5.485            | 5.762            |
| Men's and boys' .....                      | 1.459            | 1.603            |
| Women's and girls' .....                   | 2.439            | 2.522            |
| Footwear .....                             | .802             | .888             |

Continued on next page.

Table 436.-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER  
PRICE INDEX FOR HONOLULU: DECEMBER 1986 -- Con.

| Group                                     | CPI-U <u>1/</u> | CPI-W <u>2/</u> |
|---|-----------------|-----------------|
| EXPENDITURE CATEGORY -- Con.              |                 |                 |
| Transportation .....                      | 16.379          | 18.400          |
| Private .....                             | 14.327          | 16.821          |
| Motor fuel .....                          | 2.779           | 3.390           |
| Public .....                              | 2.052           | 1.579           |
| Medical care .....                        | 4.819           | 4.226           |
| Entertainment .....                       | 4.628           | 4.468           |
| Other goods and services .....            | 5.956           | 5.671           |
| Personal care .....                       | 1.280           | 1.404           |
| COMMODITY AND SERVICE GROUP               |                 |                 |
| All items .....                           | 100.000         | 100.000         |
| Commodities .....                         | 44.746          | 48.519          |
| Food and beverages .....                  | 21.261          | 22.576          |
| Commodities less food and beverages ..... | 23.485          | 25.942          |
| Nondurables less food and beverages ....  | 14.470          | 15.721          |
| Durables .....                            | 9.015           | 10.221          |
| Services .....                            | 55.254          | 51.481          |
| Medical care services .....               | 3.872           | 3.239           |
| Special indexes:                          |                 |                 |
| All items less shelter .....              | 69.930          | 72.186          |
| All items less medical care .....         | 95.181          | 95.774          |
| All items less energy .....               | 95.091          | 94.353          |
| Energy .....                              | 4.909           | 5.647           |
| Commodities less food .....               | 24.971          | 27.701          |
| Nondurables less food .....               | 15.956          | 17.480          |
| Nondurables .....                         | 35.731          | 38.297          |
| Services less rent of shelter .....       | 25.695          | 24.081          |
| Services less medical care .....          | 51.382          | 48.242          |

1/ Consumer price index for all urban consumers.

2/ Consumer price index for urban wage earners and clerical workers.

Source: U.S. Bureau of Labor Statistics, printout.

Table 437.-- RETAIL FOOD PRICES, BY ITEM, FOR HONOLULU AND U.S. CITIES:  
JUNE 19, 1986 AND JUNE 4, 1987

[See headnote to following table]

| Item                                  | Honolulu price<br>(dollars) |       | Honolulu as<br>percent of<br>U.S.<br>average |      |
|---------------------------------------|-----------------------------|-------|--|------|
|                                       | 1986                        | 1987  | 1986   | 1987 |
| Milk, homogenized, 1/2 gal. ....      | 1.39*                       | 3.35  | 116  | 160  |
| Eggs, Grade A, large, 1 doz. ....     | 1.19                        | 1.29* | 165  | 179  |
| Cheese, sharp, 10 oz. ....            | 2.69                        | 2.50* | 121  | 111  |
| Margarine, 1 lb. ....                 | 0.59                        | 0.59  | 97   | 107  |
| Bread, white, 24 oz. loaf ....        | 1.35                        | 1.67  | 193  | 235  |
| Flour, 5 lbs. ....                    | 1.09*                       | 1.29* | 102  | 116  |
| Cereal, Special K, 12 oz. ....        | 2.79                        | 3.05  | 137  | 139  |
| Sugar, 5 lbs. ....                    | 1.85                        | 1.59* | 116  | 99   |
| Instant coffee, 8 oz. jar ....        | 6.63                        | 4.59  | 129  | 124  |
| Beans, dry, 1 lb. ....                | 0.99                        | 0.97  | 174  | 173  |
| Rice, 2 lbs. ....                     | 2.03                        | 2.39  | 107  | 120  |
| Mayonnaise, 1 qt. ....                | 1.69*                       | 2.05  | 97   | 127  |
| Peanut butter, 18 oz. jar ....        | 1.99*                       | 2.19  | 114  | 102  |
| Tuna, 6 1/2 oz. can ....              | 0.65*                       | 0.69* | 97   | 103  |
| Evaporated milk, 13 fluid oz. ....    | 0.55                        | (NA)  | 98   | (NA) |
| Cling peach halves, 29 oz. can ....   | 1.49                        | 1.59  | 137  | 134  |
| Pineapple, 20 oz. can ....            | 0.95                        | 1.03  | 104  | 116  |
| Ice cream, 1/2 gal. ....              | 2.19*                       | 2.00  | 143  | 123  |
| Applesauce, 25 oz. jar ....           | (NA)                        | 1.51  | (NA)   | 148  |
| Tomato soup, 10 3/4 oz. can ....      | (NA)                        | 0.50* | (NA)   | 143  |
| Orange juice concentrate, 1/ ..       | 0.65                        | 1.19* | 123  | 137  |
| Broccoli spears, 10 oz. pkg. ....     | 0.99                        | 1.19  | 146  | 178  |
| Roast, boneless, 1 lb. 2/ ..          | 2.39                        | 2.89  | 115  | 116  |
| Sirloin steak, 1 lb. 3/ ..            | 2.89                        | 5.98  | 109  | 169  |
| Ground beef, 1 lb. ....               | 1.69                        | 1.69  | 146  | 129  |
| Pork loin chops, 1 lb. ....           | 3.09                        | 2.99  | 130  | 105  |
| Ham, boneless, 1 lb. ....             | 1.69                        | 1.15* | 135  | 36   |
| Bacon, regular slice, 1 lb. ....      | 1.99*                       | 2.29* | 94   | 105  |
| Wieners, skinless, all meat, 1 lb. .. | 1.49*                       | 2.19* | 84   | 127  |
| Chicken, whole, Grade A, 1 lb. ....   | 0.79                        | 0.75  | 118  | 110  |
| Potatoes, 5 lbs. ....                 | 1.89                        | 1.80  | 167  | 113  |
| Yellow summer squash, 1 lb. ....      | (NA)                        | 1.39  | (NA)   | 193  |
| Carrots, 1 lb. ....                   | 0.49                        | 0.49  | 120  | 126  |
| Cabbage, 1 lb. ....                   | 0.29                        | 0.33* | 104  | 110  |
| Lettuce, 1 head ....                  | 0.69                        | 0.86  | 115  | 141  |
| Bananas, 1 lb. ....                   | 0.69                        | 0.59* | 177  | 144  |
| Tomatoes, 1 lb. ....                  | 0.69                        | 0.69* | 103  | 86   |
| Oranges, 5 lbs. ....                  | 2.85                        | (NA)  | 131  | (NA) |
| Tax on above items ....               | 2.29                        | 2.53  | -  | -    |

Footnotes and source on next page.

Table 437.-- RETAIL FOOD PRICES, BY ITEM, FOR HONOLULU AND U.S. CITIES: JUNE 19, 1986 AND JUNE 4, 1987 -- Con.

\* Special sale price.

1/ 6 oz. can in 1986; 12 oz. can in 1987.

2/ Rump roast in 1986; sirloin tip roast in 1987.

3/ Bone in 1986; boneless in 1987.

Source: Honolulu Advertiser, July 29, 1986, p. B-1; Sunday Star-Bulletin and Advertiser, June 28, 1987, p. A-13, as corrected. Percentages calculated by DPEID.

Table 438.-- RETAIL FOOD PRICES, FOR HONOLULU AND MAINLAND CITIES: 1979 TO 1987

[June data for a "market basket" of 35 or more common food items surveyed in Honolulu and other U.S. cities. Data include sales taxes. This survey, organized by the Tampa Tribune, has included Honolulu since 1979]

| Date of survey      | Honolulu         |      |                            | All cities      |                             |
|---------------------|------------------|------|----------------------------|-----------------|-----------------------------|
|                     | Amount (dollars) | Rank | Percent of U.S. average 1/ | Number surveyed | Average amount 1/ (dollars) |
| 1979: June 14 ..... | 46.91            | 2    | 120.3                      | 22              | 38.98                       |
| 1980: June 19 ..... | 49.60            | 2    | 121.0                      | 22              | 40.98                       |
| 1981: June 11 ..... | 57.18            | 1    | 131.1                      | 21              | 43.63                       |
| 1982: June 3 .....  | 56.72            | 1    | 126.2                      | 21              | 44.93                       |
| 1983: June 2 .....  | 56.33            | 1    | 128.0                      | 21              | 44.01                       |
| 1984: May 31 .....  | 59.10            | 1    | 127.0                      | 21              | 46.52                       |
| 1985: June 20 ..... | 61.45            | 1    | 131.4                      | 21              | 46.77                       |
| 1986: June 19 ..... | 59.64            | 1    | 125.3                      | 21              | 47.58                       |
| 1987: June 4 .....  | 65.83            | 1    | 126.6                      | 17              | 51.98                       |

1/ Average prior to 1985 excluded Honolulu and Anchorage, both included in number surveyed.

Source: Honolulu Advertiser, July 4, 1979, pp. A-1 and A-6; July 9, 1980, pp. A-1 and A-4; July 3, 1981, pp. A-1 and A-3; June 23, 1982, p. B-1; June 24, 1983, p. D-1; June 19, 1984, p. D-1; July 22, 1985, p. D-1; July 29, 1986, p. B-1; June 25, 1987, p. A-1, as corrected.

Table 439.-- RETAIL FOOD PRICE INDEXES, FOR KAUAI:  
1985 AND 1987

[Totals for a "market basket" of common food items priced in Kauai, Honolulu and 20 Mainland cities, comparable to survey reported in table 437]

| Date            | Kauai index       |                   |
|-----------------|-------------------|-------------------|
|                 | Honolulu<br>= 100 | Mainland<br>= 100 |
| June 1985 ..... | 111               | 145               |
| June 1987 ..... | 119               | 147               |

Source: Data from Kauai Office of Economic Development, reported in Honolulu Advertiser, August 21, 1985, p. A-7, and Sunday Star-Bulletin and Advertiser, August 30, 1987, p. B-4.

Table 440.-- COMPARATIVE ANNUAL LIVING COSTS IN HONOLULU AND  
OTHER URBAN AREAS: 1987

[For a four-person family with a standard of living requiring an income of \$50,000 in the median urban area among the 100 areas studied. Shown separately for the six costliest areas]

| Rank | Urban area                    | Cost<br>(dollars) | Index |
|------|-------------------------------|-------------------|-------|
| 1    | New York City .....           | 62,940            | 125.9 |
| 2    | San Jose .....                | 59,924            | 119.8 |
| 3    | Santa Barbara .....           | 58,195            | 116.4 |
| 4    | Boston .....                  | 57,383            | 114.8 |
| 5    | San Francisco .....           | 57,324            | 114.6 |
| 6    | Honolulu .....                | 57,257            | 114.5 |
| ...  | "Standard City, U.S.A." ..... | 50,000            | 100.0 |

Source: Study by Runzheimer International, Rochester, Wis, cited in Pacific Business News, June 29, 1987, p. 19.

Table 441.-- ANNUAL BUDGETS FOR THREE LEVELS OF LIVING FOR A FOUR-PERSON FAMILY ON OAHU: AUTUMN 1981

| Item  | Cost of budget (dollars) |                      |               | Percent of urban U.S. average |                      |               |
|---|--------------------------|----------------------|---------------|-------------------------------|----------------------|---------------|
|   | Lower budget             | Inter-mediate budget | Higher budget | Lower budget                  | Inter-mediate budget | Higher budget |
| Total budget <u>1/</u> .....                  | 20,319                   | 31,893               | 50,317        | 133                           | 126                  | 132           |
| Total consumption .....                       | 15,240                   | 21,530               | 29,952        | 126                           | 118                  | 120           |
| Food .....                                    | 6,108                    | 7,626                | 9,708         | 134                           | 131                  | 132           |
| At home .....                                 | 5,501                    | 6,649                | 7,972         | 141                           | 137                  | 138           |
| Away from home .....                          | 607                      | 977                  | 1,736         | 93                            | 100                  | 110           |
| Housing <u>2/</u> .....                       | 4,022                    | 6,493                | 10,200        | 143                           | 117                  | 121           |
| Shelter <u>2/</u> .....                       | 3,171                    | 5,098                | 7,355         | 150                           | 117                  | 126           |
| Renter costs <u>2/</u> .....                  | 3,171                    | 3,991                | 5,836         | 150                           | 146                  | 136           |
| Homeowner costs <u>2/</u> .....               | ...                      | 5,467                | 7,623         | ...                           | 112                  | 124           |
| Housefurnishings and operations .....         | 851                      | 1,395                | 2,499         | 121                           | 116                  | 110           |
| Transportation <u>2/</u> .....                | 1,288                    | 2,421                | 3,220         | 98                            | 102                  | 105           |
| Automobile owners .....                       | 1,827                    | 2,421                | 3,220         | 105                           | 97                   | 105           |
| Clothing .....                                | 1,042                    | 1,432                | 2,010         | 111                           | 107                  | 103           |
| Personal care .....                           | 448                      | 590                  | 834           | 118                           | 116                  | 116           |
| Medical care <u>2/</u> .....                  | 1,583                    | 1,590                | 1,657         | 110                           | 110                  | 110           |
| Other family consumption <u>2/</u> ...        | 749                      | 1,378                | 2,323         | 116                           | 115                  | 118           |
| Other items <u>2/</u> .....                   | 716                      | 1,137                | 1,966         | 115                           | 111                  | 114           |
| Social security and disability payments ..... | 1,424                    | 2,049                | 2,049         | 137                           | 120                  | 103           |
| Personal income taxes .....                   | 2,939                    | 7,177                | 16,350        | 184                           | 162                  | 175           |

1/ Among the 25 metropolitan areas for which separate indexes were reported, Honolulu ranked first in total budget costs at the higher and intermediate levels and second at the lower level (where Anchorage ranked first). For 1972-1980 estimates, see Data Book 1984, table 406.

2/ For details, see either the Data Book 1984, table 407, footnotes, or the original source.

Source: U.S. Bureau of Labor Statistics, Autumn 1981 Urban Family Budgets and Comparative Indexes for Selected Urban Areas (release USDL: 82-139, April 16, 1982).

Table 442.-- ANNUAL BUDGETS FOR THREE LEVELS OF LIVING FOR A RETIRED COUPLE ON OAHU: AUTUMN 1981

[For a retired husband, age 65 years or over and wife. Excludes personal income taxes]

| Item                           | Cost of budget (dollars) |                        |                 | Percent of U.S urban average |                        |                 |
|--------------------------------|--------------------------|------------------------|-----------------|------------------------------|------------------------|-----------------|
|                                | Lower budget             | In-terme-diate budg-et | High-er budg-et | Low-er budg-et               | In-terme-diate budg-et | High-er budg-et |
| Total budget <u>1/</u> .....   | 8,665                    | 12,157                 | 17,576          | 120                          | 119                    | 117             |
| Total family consumption ..... | 8,292                    | 11,426                 | 16,284          | 120                          | 119                    | 117             |
| Food .....                     | 3,003                    | 3,890                  | 4,962           | 138                          | 134                    | 136             |
| At home .....                  | 2,836                    | 3,531                  | 4,245           | 141                          | 137                    | 139             |
| Away from home .....           | 167                      | 359                    | 717             | 95                           | 109                    | 123             |
| Housing .....                  | 2,587                    | 3,827                  | 5,985           | 109                          | 113                    | 113             |
| Shelter .....                  | 1,860                    | 2,356                  | 3,423           | 103                          | 107                    | 110             |
| Renter costs .....             | 2,383                    | 3,293                  | 4,520           | 147                          | 155                    | 140             |
| Homeowner costs .....          | 1,512                    | 1,851                  | 2,953           | 79                           | 83                     | 97              |
| Housefurnishings, operations . | 727                      | 1,471                  | 2,396           | 126                          | 123                    | 118             |
| Transportation .....           | 782                      | 1,293                  | 2,001           | 141                          | 121                    | 102             |
| Clothing .....                 | 260                      | 428                    | 615             | 107                          | 105                    | 98              |
| Personal care .....            | 222                      | 323                    | 473             | 112                          | 111                    | 112             |
| Medical care .....             | 1,111                    | 1,120                  | 1,129           | 102                          | 103                    | 103             |
| Other family consumption ..... | 327                      | 545                    | 1,119           | 119                          | 119                    | 124             |
| Other items .....              | 373                      | 731                    | 1,292           | 120                          | 119                    | 116             |

1/ Among the 25 metropolitan areas for which separate indexes were reported, Honolulu ranked second at all three levels (Anchorage ranked first at all three levels).

Source: U.S. Department of Labor, Bureau of Labor Statistics, Three Budgets for a Retired Couple, Autumn 1981 (release, USDL: 82-266, July 30, 1982).

Table 443.-- COST OF LIVING INDEXES AND PAY DIFFERENTIALS FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C.: 1983

| Allowance category <u>1/</u> | Oahu  | Kauai | Maui County | Hawaii |
|------------------------------|-------|-------|-------------|--------|
| INDEXES <u>2/</u>            |       |       |             |        |
| Local retail:                |       |       |             |        |
| Private housing .....        | 121.7 | 114.6 | 120.9       | 113.1  |
| Federal housing .....        | 105.0 | 106.7 | 113.4       | 104.6  |
| Commissary, PX:              |       |       |             |        |
| Private housing .....        | 111.8 | 113.1 | ...         | ...    |
| Federal housing .....        | 95.1  | 105.1 | ...         | ...    |
| ALLOWANCE RATES <u>3/</u>    |       |       |             |        |
| Local retail:                |       |       |             |        |
| Private housing .....        | 22.5  | 15.0  | 20.0        | 12.5   |
| Federal housing .....        | 5.0   | 7.5   | 12.5        | 0      |
| Commissary, PX:              |       |       |             |        |
| Private housing .....        | 12.5  | 12.5  | ...         | ...    |
| Federal housing .....        | 0     | 5.0   | ...         | ...    |

1/ Based on access to military commissary and exchange facilities and type of housing occupied. "Local retail" refers to Federal employees who purchase goods and services from private retail establishments; "commissary, PX," to Federal employees who have unlimited access to and who use military commissary and exchange facilities. "Private housing" refers to Federal employees who occupy housing units that are privately owned or rented; "Federal housing," to Federal employees who occupy units owned or leased by a Federal agency.

2/ Washington, D.C., living costs=100. Based on a survey of comparative costs for Federal employees in 1983.

3/ Authorized allowance rate, expressed as a percentage differential, effective October 2, 1983.

Source: U.S. Office of Personnel Management, "Nonforeign Area Cost-of-Living Allowances for Guam and the State of Hawaii and Post Differentials for Certain Pacific Islands," Federal Personnel Manual System, FPM Letter 591-47 (1983).

Table 444.-- COST OF RAISING A CHILD FROM BIRTH TO AGE 18: 1986

[In dollars. Moderate-cost level. Estimated for Western States]

| Residence           | Annual average | 18-year total |
|---------------------|----------------|---------------|
| Urban .....         | 5,700          | 102,595       |
| Rural nonfarm ..... | 5,954          | 107,173       |

Source: U.S. Department of Agriculture, Family Economics Review, 1987, No. 2, pp. 30-31.