Tech. Serv. K 1  $c_2$ 11:3

# LL - SIS VSLETTE

ACADEMIC LAW LIBRARIES WINTER 1990

SPECIAL INTEREST SECTION V. 11. #3

#### In This Issue

| LEXIS and WESILAW Pricing: Survey of Academic Law Library    |    |
|--|----|
| Directors  | 2  |
| Midwinter Meeting: ALA Interlibrary Loan Committee Report    | 14 |
| A Preview of the 1991 Institute on Management for Senior Law |    |
| Library Administrators                                       | 15 |
| ALA Seeks Applicants for Minority Fellowship Program         | 1  |
| Continuing Education Calendar                                | 17 |
| CHECK IT OUT: Libraries to become radio stars                | 19 |
| Deadline for V.11. #4  | 20 |

ANN PUCKETT, CHAIR DIRECTOR OF THE LAW LIBRARY SOUTH TEXAS COLLEGE OF LAW 1303 SAN JACINTO HOUSTON, TX. 77002 (713) 659-8040 FAX: 713-659-2217

BRUCE JOHNSON, VICE-CHAIR/CHAIR ELECT DIRECTOR OF THE LAW LIBRARY UNIVERSITY OF SOUTH CAROLINA COLEMAN KARESH LAW LIBRARY COLUMBIA, S.C. 29208 (803) 777-5944 FAX: 803-777-9405

MERLE SLYHOFF, SECRETARY/TREASURER MEDIA SERVICES/ATTORNEY SERVICES LIBRARIAN UNIVERSITY OF PENNSYLVANIA BIDDLE LAW LIBRARY 3400 CHESNUT STREET PHILADELPHIA, PA. 19104

**FAYE JONES** ALL-SIS NEWSLETTER EDITOR

# Nominating Committee for 1991-92 Named by the Chair

The 1991-92 SiS Nominating Committee is:

Frank Houdek, Chair Southern Illinois University (618) 453-8788

Taylor Fitchett University of Cincinnati (513) 556-0159

William James Villanova University (215) 645-7022

Please contact a member of the committee if you have names to suggest or if you want to nominate yourself.

The SIS is electing both a Vice-Chair/Chair-Elect and a Secretary/Treasurer this year. The former is a three year commitment, since the Vice-Chair/Chair-Elect will succeed to the Chair in 1992-93 and serve on the SiS's Executive Board in 1993-94. Secretary/Treasurer is a two-year term.

Ann Puckett, Chair

K 1 .C2 Academic Law Libraries Special Interest Section Newsletter Received on: 05-24-91 SIU Law Library

#### LEXIS AND WESTLAW PRICING

#### Survey of Academic Law Library Directors

One hundred and seventy-two questionnaires were mailed, and one hundred and thirty-nine were returned, a response rate of 80.8%. A copy of the questionnaire is included just before the two price tables. I worked with the data as reported, although it seems likely there are some reporting errors, particularly on questions W3 and M3.

#### PRICE CHANGES:

Table 1 (WESTLAW) and Table 2 (MDC) are arranged in order from the highest percentage decrease to the highest percentage increase from the current fiscal year to the fully-phased-in new pricing. I chose to use percentages because a few libraries gave only that information, and I wanted to use their data. I opted to focus on the increase between the current year and the next year (or two years, in some cases) because I thought that comparison would be most useful for current budget planning.

In a comparison of current year to new pricing, WESTLAW shows only eleven schools with decreased prices, one that stayed the same, and 126 with increased prices. Corresponding numbers for Mead Data are 53 decreases, two the same, and 83 increases. The median change for WESTLAW is a 31.3% increase; for LEXIS, a 6.3% increase.

To give a true picture of what has happened to CALR costs, however, one must compare all three years covered in the questionnaire. Column 6 gives that information. WESTLAW shows 16 decreases and 118 increases in price, with an overall median price change of +32.65%. LEXIS shows 24 decreases, one the same, and 105 increases, with an overall median price change of +30.4%. (Numbers do not add up to total number of returned questionnaires because some returns lacked sufficient data for this calculation.)

#### OTHER QUESTIONS:

Most of the respondents were comfortable with both companies' criteria for setting prices (questions W5 and M5). WESTLAW: 85 yes, 38 no; MDC: 79 yes, 41 no. Respondents were slightly less certain that the companies had actually followed the criteria (questions W6 and M6). WESTLAW: 67 yes, 52 no; MDC: 65 yes, 43 no. Comments were often long, always reasoned and articulate. There were far too many to reproduce here, but

#### LEXIS AND WESTLAW PRICING

#### Survey of Academic Law Library Directors

the most frequent complaint was that the new pricing structures favor the largest schools and penalize the smallest because floors are too high and ceilings are too low.

Respondents overwhelmingly approved, in principle, of MDC's advisory board (question M9), and most also believed it had accomplished its objectives. M9: 115 yes, 7 no; M10: 56 yes, 31 no, 16 unsure.

The staff time questions (W8 and M8) break down like this:

|     |   |    |            | <u>w8</u> | <u>M8</u> |
|-----|---|----|------------|-----------|-----------|
| 1   | _ | 5  | hours/week | 71        | 69        |
| 5+  | - | 10 | hours/week | 30        | 31        |
| 10+ | - | 15 | hours/week | 9         | 11        |
| 15+ |   |    | hours/week | 7         | 5         |

One director noted "staff devote 80 hours per week between LEXIS and WESTLAW."

Academic law library staffs do devote time to CALR training, a fact that has several times been cited by law librarians as a reason the CALR companies should offer their services at a steeply discounted rate. One librarian included a 1½ page attachment with his questionnaire, making the point that "The database vendors view law libraries as low cost extensions of their marketing departments. Law librarians should ask whether we want to continue to serve in this capacity."

The general questions elicited fewer comments and less information than the other questions, perhaps because few library directors have as yet decided how best to deal with the pricing changes. The largest number (70) indicated they would seek a budget increase. One added a gloomy prediction: "probably won't get it." Fifty-two directors said they would divert funds from other uses. One specifically mentioned cancelling multiple copies of materials, such as reporters, that are on-line. Another will cancel state codes in hard copy. Only three plan to seek outside funding, while 16 indicated they would consider instituting a user fee. Two directors said they already have a user fee and one said "will probably increase the existing \$50/year student fee."

Twenty-two directors said they would consider cancelling one system. Most did not specify which, but of those who specified, five said they would cancel WESTLAW, six said LEXIS. One school said they had already cancelled a second subscription to WESTLAW and one said they have cancelled LEXIS as of March 1, 1991. Directors cited as reasons for choosing one company over another: comparative content of the

#### LEXIS AND WESTLAW PRICING

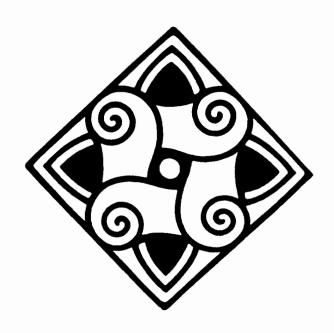
#### Survey of Academic Law Library Directors

databases; business and marketing practices; and comparative length of time each has been used at the school.

This survey elicited four long letters, a myriad of frank comments, and dozens of telephone calls. I have summarized the results to the best of my ability, given the limited space available. ALL/SIS members who need more detail are invited to contact me.

Ann Puckett South Texas College of Law Library (713) 659-8040 Ext. 321 FAX (713) 659-2217

March 13, 1991



## QUESTIONNAIRE

| WESTLAW |          |  |
|---------|----------|--|
| W1)     | What are | you paying for Westlaw services in the current fiscal year?  |
|         | s        |  |
| W2)     | What did | you pay for Westlaw services in the most recently completed fiscal year?   |
|         | \$       |  |
| W3)     |          | e November 14 letter, what will you pay for Westlaw services? (Give the full price, Westlaw plans to phase the price in over more than one budget year.)   |
|         | <b>s</b> | <del></del>  |
| W4)     |          | re unwilling to provide dollar amounts for questions 1-3, please indicate the type and e of change you will experience under the new pricing structure.  |
|         |          | Taking your <u>most recently completed</u> fiscal year as 100% and comparing it to the current fiscal year:  |
|         |          | % increase decrease  |
|         |          | Taking your <u>current fiscal year</u> as 100% and comparing it to the new pricing structure as it will be when it is fully phased in:   |
|         |          | % increase decrease  |
| W5)     |          | comfortable with Westlaw's stated criteria for the new pricing? (I.e., "being<br>ble, simple and fair for all law schools.")   |
|         | YES      | NO   |
| W6)     |          | hink Westlaw has complied with the stated criteria in structuring the new price? (If no, go to question 7; if yes, skip to question 8.)  |
|         | YES      | NO   |
| W7)     | If you a | nswered no to question 6, what specifically do you dislike?  |
|         |          |  |
|         |          |  |
|         |          |  |
| W8)     | (Count b | ge, how much staff time does your library devote to training students on WESTLAW?<br>oth formal, scheduled training and informal, one-on-one help; do not count the time of<br>ts who are hired by Westlaw.) |
|         |          | hours per week.  |

#### MEAD DATA CENTRAL

| M1) | What are you paying for MDC services in the current fiscal year?   |
|-----|--|
|     | \$   |
| M2) | What did you pay for MDC services in the most recently completed fiscal year?  |
|     | \$   |
| M3) | Under the October 31 letter, what will you pay for MDC services? (Give the full price, even if MDC plans to phase in the price over more than one budget year.)  |
|     | \$   |
| M4) | If you are unwilling to provide dollar amounts for questions 1-3, please indicate the type and magnitude of change you will experience under the new pricing structure.  |
|     | a. Taking your <u>most recently completed</u> fiscal year as 100% and comparing it to the current<br>fiscal year:  |
|     | % increase decrease  |
|     | b. Taking your <u>current fiscal year</u> as 100% and comparing it to the new pricing structure as it will be when it is fully phased in:  |
|     | % increase decrease  |
| M5) | Are you comfortable with MDC's stated criteria for the new pricing policy? (I.e., do you think the new pricing policy is predictable, equitable, and clear?)   |
|     | YES NO   |
| M6) | Do you think MDC has complied with the stated criteria in structuring the new price schedule? (If no, go to question M7; if yes, skip to question M8).   |
|     | YES NO   |
| M7) | If you answered no to question 6, what specifically do you dislike?  |
|     |  |
|     |  |
|     |  |
| M8) | On average, how much staff time does your library devote to training students on LEXIS? (Count both formal, scheduled training and informal, one-on-one help; do not count the time of assistants who are hired by Mead Data.) |
|     | hours per week.  |

| M9)     | Do you   | like the idea of an Advisory Board?  |
|---------|----------|--|
|         | YES      | NO   |
| M10)    | Do you   | feel the Board accomplished their objectives?  |
|         | YES      | NO If no, elaborate.   |
|         |          |  |
|         |          |  |
| GENERAL | QUESTION | <u>IS</u>  |
| G1)     |          | sult of the new pricing policies, do you expect to change any policies or procedures to CALR? Explain.                               |
|         |          |  |
| G2)     |          | are the director of a library that will experience a large increase, how do you expect with the budget issue? (check all that apply) |
|         | а.       | Ask for a budget increase  |
|         | b.       | Divert funds from other uses   |
|         | c.       | Raise outside funds Explain how  |
|         |          |  |
|         | d.       | Institute a user fee   |
|         | e.       | Cancel one of the services Which one?  |
|         | f.       | Other Explain fully  |
|         |          |  |

Return completed questionnaire to your liaison listed on the attachment.

TABLE 1: WESTLAW

| w2               | W1     | w3     | W1:W2  | W3:W1            | W3:W2  |
|------------------|--------|--------|--------|------------------|--------|
| 19,080           | 19,080 |        | 0.0    |                  |        |
| 31,495           | 30,586 | 16,200 | - 2.9  | - 47.0           | - 48.6 |
| 19,080           | 19,080 | 15,000 | 0.0    | - 21.4           | - 21.4 |
| 33,000           | 33,000 | 26,000 | 0.0    | - 21.2           | - 21.2 |
| 19,080           | 19,080 | 15,000 | 0.0    | - 21.4           | - 21.4 |
| 19,080           | 19,080 | 15,000 | 0.0    | - 21.4           | - 21.4 |
| 19,080           | 19,080 | 15,000 | 0.0    | - 21.4           | - 21.4 |
| 19,080           | 19,080 | 15,300 | 0.0    | - 19.8           | - 19.8 |
| 18,811           | 19,080 | 16,344 | + 1.4  | - 14.3           | - 13.1 |
| 19,080           | 19,080 | 17,280 | 0.0    | - 9.4            | - 9.4  |
| 19,080           | 19,080 | 17,406 | 0.0    | - 8.8            | - 8.8  |
| 19,080           | 19,080 | 18,756 | 0.0    | - 1.7            | - 1.7  |
|                  | 13,140 | 13,140 | - 26.5 | 0.0              | - 26.5 |
| 17,880<br>17,140 | 19,080 | 19,152 | + 45.2 | + 0.4            | + 45.8 |
| 13,140           | 24,780 | 24,912 | - 2.0  | + 0.5            | - 1.4  |
| 25,275<br>14,770 | 16,740 | 17,192 | 0.0    | + 2.7            | + 2.7  |
| 16,740           | 25,320 | 26,000 | + 29.1 | + 2.7            | + 32.5 |
| 19,620           | 25,155 | 26,000 | 0.0    | + 3.4            | + 3.4  |
| 25,155           |        | 26,000 | 0.0    | + 4.9            | + 4.9  |
| 24,780           | 24,780 | 26,000 | 0.0    | + 4.9            | + 4.9  |
| 24,780           | 24,780 | 26,000 | + 18.1 | + 4.9            | + 24.0 |
| 20,975           | 24,780 | 26,000 | 0.0    | + 4.9            | + 4.9  |
| 24,780           | 24,780 | 26,000 | 0.0    | + 4.9            | + 4.9  |
| 24,780           | 24,780 | 26,000 | 0.0    | + 5.0            | + 5.0  |
| 24,770           | 24,770 |        | 0.0    | + 6.1            | + 6.1  |
| 14,140           | 14,140 | 15,000 | 0.0    | + 8.3            | + 8.3  |
|                  |        |        | 0.0    | + 8.4            | + 8.4  |
|                  | 47.7/0 |        | 0.0    | + 9.2            | + 9.2  |
| 13,740           | 13,740 | 15,000 | 0.0    | + 10.9           | + 10.9 |
| 19,080           | 19,080 | 21,168 | + 11.5 | + 11.1           | + 23.9 |
| 16,140           | 18,000 | 20,000 | 0.0    | + 11.5           | + 11.5 |
| 14,235           | 14,235 | 15,876 |        | + 13.4           | + 32.3 |
| 19,080           | 22,260 | 25,236 | + 16.7 | + 14.2           | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    | + 14.2           | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    | + 14.2           | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    |                  | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    | + 14.2<br>+ 14.2 | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    | + 14.2           | - 11.9 |
| 17,035           | 13,140 | 15,000 | - 22.9 | + 14.2           | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    |                  | + 14.2 |
| 13,140           | 13,140 | 15,000 | 0.0    | + 14.2<br>+ 14.2 |        |
|                  | 13,140 | 15,000 |        |                  | - 6.9  |
| 16,110           | 13,140 | 15,000 | - 18.4 | + 14.2           | + 58.2 |
| 9,480            | 13,140 | 15,000 | + 38.6 | + 14.2           | - 20.8 |
| 19,080           | 13,140 | 15,120 | - 31.1 | + 15.1           | + 15.7 |
| 19,080           | 19,080 | 22,068 | 0.0    | + 15.7           | + 15.7 |
| 22,440           | 22,440 | 26,000 | 0.0    | + 15.9           | + 15.9 |
| 22,380           | 22,380 | 26,000 | 0.0    | + 16.2           | + 16.4 |
| 19,080           | 19,080 | 22,212 | 0.0    | + 16.4           | + 15.0 |
| 14,085           | 13,788 | 16,200 | - 2.1  | + 17.5           | + 15.0 |

TABLE 1: WESTLAW

| W2     | <u>₩</u> 1 | W3     | W1:W2  | W3:W1  | W3:W2  |
|--------|------------|--------|--------|--------|--------|
| 14,826 | 15,240     | 18,000 | + 2.8  | + 18.1 | + 21.4 |
| 13,140 | 13,140     | 15,735 | 0.0    | + 19.8 | + 19.8 |
| 13,365 | 13,365     | 16,020 | 0.0    | + 19.9 | + 19.9 |
|        |            |        | •.•    | + 21.0 | •.•    |
| 13,140 | 13,140     | 16,000 | 0.0    | + 21.8 | + 21.8 |
| 11,900 | 13,000     | 15,890 | + 9.2  | + 22.2 | + 33.5 |
| 14,165 | 14,165     | 17,314 | 0.0    | + 22.2 | + 22.2 |
| 19,080 | 19,080     | 23,400 | 0.0    | + 22.6 | + 22.6 |
| 13,140 | 13,140     | 16,164 | 0.0    | + 23.0 | + 23.0 |
|        | 20,820     | 26,000 | 0.0    | + 24.9 | + 24.9 |
| 20,820 | 12,000     | 15,000 | 0.0    | + 25.0 | + 25.0 |
| 12,000 |            | 23,904 | 0.0    | + 25.3 | + 25.3 |
| 19,080 | 19,080     |        | 0.0    | + 27.1 | + 27.1 |
| 13,140 | 13,140     | 16,704 | 0.0    | + 28.2 | + 28.2 |
| 13,140 | 13,140     | 16,848 | - 2.8  | + 28.2 | + 24.5 |
| 19,080 | 18,540     | 23,760 |        | + 28.5 | + 39.9 |
| 18,585 | 20,233     | 26,000 | + 8.9  | + 30.9 | + 30.9 |
| 19,100 | 19,100     | 26,000 | 0.0    |        | + 31.3 |
| 13,740 | 13,740     | 18,036 | 0.0    | + 31.3 | + 26.4 |
| 20,568 | 19,727     | 26,000 | - 4.1  | + 31.8 |        |
| 19,680 | 19,680     | 26,000 | 0.0    | + 32.1 | + 32.1 |
| 13,140 | 13,140     | 17,352 | 0.0    | + 32.1 | + 32.1 |
| 13,140 | 13,140     | 17,424 | 0.0    | + 32.6 | + 32.6 |
| 19,600 | 19,600     | 26,000 | 0.0    | + 32.7 | + 32.7 |
| 13,140 | 13,140     | 17,500 | 0.0    | + 33.2 | + 33.2 |
| 13,140 | 13,140     | 17,712 | 0.0    | + 34.8 | + 34.8 |
| 13,140 | 13,140     | 17,721 | 0.0    | + 34.9 | + 34.9 |
| 13,150 | 13,150     | 17,748 | 0.0    | + 35.0 | + 35.0 |
| 19,200 | 19,200     | 26,000 | 0.0    | + 35.4 | + 35.4 |
| 14,235 | 13,140     | 17,820 | - 7.7  | + 35.6 | + 25.2 |
| 19,080 | 19,080     | 25,937 | 0.0    | + 35.9 | + 35.9 |
| 19,080 | 19,080     | 26,000 | 0.0    | + 36.3 | + 36.3 |
| 19,080 | 19,080     | 26,000 | 0.0    | + 36.3 | + 36.3 |
| 25,080 | 19,080     | 26,000 | - 23.9 | + 36.3 | + 3.7  |
| 19,080 | 19,080     | 26,000 | 0.0    | + 36.3 | + 36.3 |
| 19,080 | 19,080     | 26,000 | 0.0    | + 36.3 | + 36.3 |
| 19,394 | 19,080     | 26,000 | - 1.6  | + 36.3 | + 34.1 |
| 19,080 | 19,080     | 26,000 | 0.0    | + 36.3 | + 36.3 |
| 19,080 | 19,080     | 26,000 | 0.0    | + 36.3 | + 36.3 |
| 9,000  | 11,000     | 15,000 | + 22.2 | + 36.4 | + 66.7 |
| 13,140 | 13,140     | 18,000 | 0.0    | + 37.0 | + 37.0 |
| 13,140 | 13,140     | 18,144 | 0.0    | + 38.1 | + 38.1 |
| 13,140 | 13,140     | 18,180 | 0.0    | + 38.4 | + 38.4 |
| 13,140 | 13,140     | 18,216 | 0.0    | + 38.6 | + 38.6 |
| 18,400 | 18,400     | 26,000 | 0.0    | + 41.3 | + 41.3 |
| 14,243 | 13,140     | 18,828 | - 7.7  | + 43.3 | + 32.2 |
| 18,000 | 18,000     | 26,000 | 0.0    | + 44.4 | + 44.4 |
| 13,140 | 13,140     | 19,440 | 0.0    | + 47.9 | + 47.9 |
| 13,140 | 13,140     | 19,620 | 0.0    | + 49.3 | + 49.3 |

TABLE 1: WESTLAW

| W2     | w1     | w3     | W1:W2  | W3:W1  | W3:W2  |
|--------|--------|--------|--------|--------|--------|
| 13,140 | 13,140 | 19,620 | 0.0    | + 49.3 | + 49.3 |
| 13,249 | 13,400 | 20,340 | + 1.1  | + 51.8 | + 53.5 |
| 13,140 | 13,140 | 20,268 | 0.0    | + 54.2 | + 54.2 |
| 15,382 | 15,392 | 23,976 | 0.0    | + 55.8 | + 55.8 |
| 9,600  | 9,600  | 15,000 | 0.0    | + 56.3 | + 56.3 |
| 13,740 | 13,140 | 20,888 | - 4.4  | + 59.0 | + 52.0 |
| 13,140 | 13,140 | 22,392 | 0.0    | + 70.4 | + 70.4 |
| 13,800 | 13,800 | 23,760 | 0.0    | + 72.2 | + 72.2 |
| 13,000 | 13,140 | 22,644 | + 1.1  | + 72.3 | + 74.2 |
| 13,140 | 13,140 | 22,788 | 0.0    | + 73.4 | + 73.4 |
| 13,140 | 13,140 | 22,788 | 0.0    | + 73.4 | + 73.4 |
| 13,140 | 14,536 | 25,272 | + 10.6 | + 73.9 | + 92.3 |
| 13,140 | 13,140 | 22,896 | 0.0    | + 74.3 | + 74.3 |
| 13,140 | 13,140 | 23,040 | 0.0    | + 75.3 | + 75.3 |
| 13,140 | 13,140 | 23,148 | 0.0    | + 76.2 | + 76.2 |
| 13,140 | 13,140 | 23,312 | 0.0    | + 77.4 | + 77.4 |
| 13,140 | 13,140 | 23,364 | 0.0    | + 77.8 | + 77.8 |
| 19,080 | 14,575 | 26,000 | - 23.6 | + 78.4 | + 36.3 |
| 10,800 | 9,480  | 17,856 | - 12.2 | + 88.4 | + 65.3 |
| 13,140 | 13,140 | 24,840 | 0.0    | + 89.0 | + 89.0 |
| 13,340 | 13,740 | 26,000 | + 3.0  | + 89.2 | + 94.9 |
| 13,740 | 13,740 | 26,000 | 0.0    | + 89.2 | + 89.2 |
| 13,140 | 13,140 | 24,876 | 0.0    | + 89.3 | + 89.3 |
| 13,140 | 13,140 | 25,164 | 0.0    | + 91.5 | + 91.5 |
| 13,140 | 13,140 | 25,560 | 0.0    | + 94.5 | + 94.5 |
| 13,215 | 13,215 | 26,000 | 0.0    | + 96.8 | + 96.8 |
| 13,200 | 13,200 | 26,000 | 0.0    | + 97.0 | + 97.0 |
| 12,240 | 13,140 | 26,000 | + 7.4  | + 97.9 | +112.4 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
| 13,140 | 13,140 | 26,000 | 0.0    | + 97.9 | + 97.9 |
|        |        |        | 0.0    | + 98.0 | •.•    |
| 12,000 | 13,100 | 26,000 | + 9.2  | + 98.5 | +116.7 |
|        |        |        | 0.0    | + 99.0 |        |
| 13,000 | 13,000 | 26,000 | 0.0    | +100.0 | +100.0 |

TABLE 2: MEAD DATA CENTRAL

| M2     | <u>M1</u> | м3     | M1:M2  | M3:M1  | M3:M2  |
|--------|-----------|--------|--------|--------|--------|
| 25,500 | 31,307    | •••••  | + 22.8 |        |        |
| 59,000 | 61,000    | 28,000 | + 3.4  | - 54.1 | - 52.5 |
| 31,320 | 32,416    | 20,500 | + 3.5  | - 36.8 | - 34.5 |
| 40,320 | 41,736    | 28,000 | + 3.5  | - 32.9 | - 30.6 |
| 32,180 | 29,880    | 20,500 | - 7.2  | - 31.4 | - 36.3 |
|        |           |        | + 15.0 | - 30.0 |        |
| 21,639 | 29,118    | 20,500 | + 34.6 | - 29.6 | - 5.3  |
| 37,074 | 36,144    | 25,500 | - 2.5  | - 29.5 | - 31.2 |
| 24,000 | 36,000    | 26,000 | + 50.0 | - 27.8 | + 8.3  |
| 40,704 | 39,486    | 28,997 | - 3.0  | - 26.6 | - 28.8 |
| 14,183 | 24,000    | 18,000 | + 69.2 | - 25.0 | + 26.9 |
| 17,400 | 30,000    | 22,875 | + 72.4 | - 23.8 | + 31.5 |
| 19,500 | 26,488    | 20,500 | + 35.8 | - 22.6 | + 5.1  |
| 29,118 | 29,118    | 22,655 | 0.0    | - 22.2 | - 22.2 |
| 19,905 | 32,576    | 25,500 | + 63.7 | - 21.7 | + 28.1 |
| 24,000 | 28,704    | 22,551 | + 19.6 | - 21.4 | - 6.0  |
|        |           |        |        | - 20.0 | - 18.4 |
| 34,100 | 34,792    | 27,823 |        |        |        |
| 16,200 | 25,500    | 20,500 | + 57.4 | - 19.6 | + 26.5 |
| 25,160 | 31,500    | 25,500 | + 25.2 | - 19.0 | + 1.4  |
| 38,745 | 34,279    | 28,000 | - 11.5 | - 18.3 | - 27.7 |
| 24,081 | 28,164    | 23,000 | + 17.0 | - 18.3 | - 4.5  |
| 21,111 | 25,069    | 20,500 | + 18.7 | - 18.2 | - 2.9  |
| 14,400 | 29,000    | 24,000 | +101.4 | - 17.2 | + 66.7 |
| 36,080 | 33,000    | 27,384 | - 8.5  | - 17.0 | - 24.1 |
| 13,800 | 21,630    | 18,000 | + 56.7 | - 16.8 | + 30.4 |
| 28,940 | 30,600    | 25,500 | + 5.7  | - 16.7 | - 11.9 |
| 18,612 | 27,390    | 23,000 | + 47.2 | - 16.0 | + 23.6 |
| 30,120 | 30,000    | 25,500 | - 0.4  | - 15.0 | - 15.3 |
| 27,720 | 30,000    | 25,500 | + 8.2  | - 15.0 | - 8.0  |
| 30,483 | 30,000    | 25,500 | - 1.6  | - 15.0 | - 16.3 |
| 21,600 | 27,050    | 23,000 | + 25.2 | - 15.0 | + 6.5  |
| 25,920 | 29,718    | 25,500 | + 14.7 | - 14.2 | - 1.6  |
| 27,502 | 33,000    | 28,500 | + 20.0 | - 13.6 | + 3.6  |
|        |           |        | + 15.9 | - 13.0 |        |
| 11,913 | 23,400    | 20,500 | + 96.4 | - 12.4 | + 72.1 |
| 21,433 | 23,202    | 20,338 | + 8.3  | - 12.3 | - 5.1  |
| 26,139 | 31,943    | 28,000 | + 22.2 | - 12.3 | + 7.1  |
| 23,185 | 26,220    | 23,000 | + 13.1 | - 12.3 | - 0.8  |
| 21,740 | 28,530    | 25,500 | + 31.2 | - 10.6 | + 17.3 |
| 25,436 | 28,289    | 25,500 | + 11.2 | - 9.9  | + 0.3  |
| 15,100 | 22,520    | 20,500 | + 49.1 | - 9.0  | + 35.8 |
| 24,900 | 27,945    | 25,500 | + 12.2 | - 8.8  | + 2.4  |
| 27,346 | 30,600    | 28,000 | + 11.9 | - 8.5  | + 2.4  |
|        |           |        | + 7.0  | - 7.0  |        |
| 11,520 | 30,000    | 28,000 | +160.4 | - 6.7  | +143.1 |
| 24,500 | 30,000    | 28,000 | + 22.5 | - 6.7  | + 14.3 |
| 23,184 | 30,000    | 28,000 | + 29.4 | - 6.7  | + 20.8 |
| 31,322 | 30,000    | 28,000 | - 4.2  | - 6.7  | - 10.6 |
| 15,720 | 29,118    | 28,000 | + 85.2 | - 3.8  | + 78.1 |

TABLE 2: MEAD DATA CENTRAL

| M2     | M1              | M3     | M1:M2  | M3:M1            | M3:M2            |
|--------|-----------------|--------|--------|------------------|------------------|
| 13,800 | 18,600          | 18,000 | + 34.8 | - 3.2            | + 30.4           |
| 18,600 | 18,600          | 18,000 | 0.0    | - 3.2            | - 3.2            |
| 19,800 | 23,400          | 23,000 | + 18.2 | - 1.7            | + 16.2           |
| 15,081 | 20,630          | 20,500 | + 36.8 | - 0.6            | + 35.9           |
| 25,668 | 25,335          | 25,271 | - 1.3  | - 0.3            | - 1.5            |
| 13,800 | 22,770          | 22,770 | + 65.0 | 0.0              | + 65.0           |
| 15,336 | 18,000          | 18,000 | + 17.4 | 0.0              | + 17.4           |
| 20,760 | 22,922          | 23,000 | + 10.4 | + 0.3            | + 10.8           |
| 25,320 | 25,320          | 25,500 | 0.0    | + 0.7            | + 0.7            |
| 27,795 | 27 <b>,79</b> 5 | 28,000 | 0.0    | + 0.7            | + 0.7            |
| 20,160 | 24,727          | 25,114 | + 22.7 | + 1.6            | + 24.6           |
| 19,994 | 19,994          | 20,500 | 0.0    | + 2.5            | + 2.5            |
| 17,004 | 19,349          | 19,900 | + 13.8 | + 2.9            | + 17.0           |
| 14,900 | 17,400          | 18,000 | + 16.8 | + 3.5            | + 20.8           |
| 19,800 | 22,800          | 23,703 | + 15.2 | + 4.0            | + 19.7           |
| 16,500 | 22,104          | 23,000 | + 34.0 | + 4.1            | + 39.4           |
| 21,280 | 26,715          | 28,000 | + 25.5 | + 4.8            | + 31.6           |
| 20,503 | 19,500          | 20,500 | - 4.9  | + 5.1            | 0.0              |
| 16,900 | 19,400          | 20,500 | + 14.8 | + 5.7            | + 21.3           |
| 13,800 | 21,630          | 23,000 | + 56.7 | + 6.3            | + 66.7           |
| 14,520 | 21,631          | 23,000 | + 49.0 | + 6.3            | + 58.4           |
| 24,594 | 26,297          | 28,000 | + 6.9  | + 6.5            | + 13.8           |
| 13,800 | 15,870          | 16,935 | + 15.0 | + 6.7            | + 22.7           |
| 19,100 | 21,270          | 23,000 | + 11.4 | + 8.1            | + 20.4           |
| 13,800 | 18,800          | 20,500 | + 36.2 | + 9.0            | + 48.6           |
| 13,800 | 16,500          | 18,000 | + 19.6 | + 9.1            | + 30.4           |
| 14,400 | 16,376          | 18,000 | + 13.7 | + 9.9            | + 25.0           |
| 13,600 | 16,350          | 18,000 | + 20.2 | + 10.1           | + 32.4           |
| 17,400 | 20,859          | 23,000 | + 19.9 | + 10.3           | + 32.2           |
| 16,200 | 18,576          | 20,500 | + 14.7 | + 10.4           | + 26.5           |
| 25,320 | 25,320          | 28,000 | 0.0    | + 10.6           | + 10.6           |
|        | 20,802          | 23,000 | + 50.7 | + 10.6           | + 66.7           |
| 13,800 |                 | 18,000 | + 15.0 | + 13.4           | + 30.4           |
| 13,800 | 15,870          | 18,000 | + 16.8 | + 14.4           | + 30.4           |
| 13,800 | 16,112          | 28,000 | + 17.4 | + 14.7           | + 34.6           |
| 20,800 | 24,414          |        |        | + 15.9           | + 34.2           |
| 19,000 | 22,000          | 25,500 | + 15.8 | + 16.0           |                  |
|        | 24 000          | 20.000 | + 32.0 |                  | <br>+ 33.3       |
| 21,000 | 24,000          | 28,000 | + 14.3 | + 16.7           |                  |
| 19,800 | 23,712          | 28,000 | + 19.8 | + 18.1           | + 41.4           |
| 14,950 | 14,950          | 18,000 | 0.0    | + 20.4           | + 20.4           |
| 15,870 | 21,054          | 25,500 | + 32.7 | + 21.1           | + 60.7<br>+ 84.8 |
| 13,800 | 20,880          | 25,500 | + 51.3 | + 22.1<br>+ 22.7 | + 66.7           |
| 13,800 | 18,750          | 23,000 | + 35.9 | + 22.7           | + 37.9           |
| 16,680 | 18,750          | 23,000 | + 12.4 | + 22.7           | +114.1           |
| 13,080 | 21,630          | 28,000 | + 65.4 | + 23.0           | + 44.7           |
| 19,355 | 22,770          | 28,000 | + 17.6 | + 23.5           | + 44.7           |
| 17,160 | 20,656          | 25,500 | + 20.4 |                  | + 64.3           |
| 14,000 | 18,600          | 23,000 | + 32.9 | + 23.7           |                  |
| 15,000 | 18,577          | 23,000 | + 23.9 | + 23.8           | + 53.3           |

TABLE 2: MEAD DATA CENTRAL

| 17,300  | <u>M2</u> | M1     | м3     | M1:M2  | M3:M1  | M3:M2  |
|---|-----------|--------|--------|--------|--------|--------|
| 15,000  | 17 300    | 20.470 | 25.500 | + 18.3 | + 24.6 | + 47.4 |
| 13,575       14,200       18,000       + 4.6       + 26.8       + 32.6         14,553       20,040       25,500       + 37.7       + 27.2       + 75.2         13,900       15,700       20,000       + 12.5       + 27.4       + 43.4         13,800       15,870       20,500       + 15.2       + 29.0       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,872       20,500       + 15.0       + 29.2       + 48.6         13,800       15,872       20,500       + 15.0       + 29.2       + 48.6         13,800       15,872       20,500       + 15.0       + 29.2       + 48.6         13,800       15,675       20,500       + 15.0       + 29.2       + 48.6         13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       + 18.4       + 38.5       + 13.1         3,800       15,60       21,000  | -         |        |        |        |        | •      |
| 14,553       20,040       25,500       + 37.7       + 27.2       + 75.2         13,950       15,700       20,000       + 12.5       + 27.4       + 43.4   |           |        |        |        |        | + 32.6 |
| 13,950  | -         |        |        |        |        | + 75.2 |
| 13,800  |           |        |        |        |        | + 43.4 |
| 13,800       15,898       20,500       + 15.2       + 29.0       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,872       20,500       + 15.0       + 29.2       + 48.6         13,800       15,675       20,500       + 15.0       + 29.2       + 48.6         13,800       15,675       20,500       + 15.0       + 29.2       + 48.6         13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       - 15.4       + 34.5       + 13.8         24,762       20,214       28,000       - 18.4       + 38.5       + 13.1         13,800       15,500       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502   | •         | -      | -      |        |        |        |
| 13,800  |           | 15.898 | 20.500 |        |        |        |
| 13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,685       + 15.0       + 30.3       + 49.9         13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       - 15.4       + 34.5       + 13.1         13,800       16,560       23,000       - 18.4       + 38.5       + 13.1         13,800       16,560       23,000       - 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000   |           |        |        |        |        | + 48.6 |
| 13,800       15,870       20,500       + 15.0       + 29.2       + 48.6         13,800       15,872       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,685       + 15.0       + 30.3       + 49.9         13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       - 15.4       + 34.5       + 13.8         24,762       20,214       28,000       - 18.4       + 38.5       + 13.1         13,800       16,560       23,000       + 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410  |           |        | •      |        |        | + 48.6 |
| 13,800       15,872       20,500       + 15.0       + 29.2       + 48.6         13,800       15,870       20,685       + 15.0       + 30.3       + 49.9         13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       - 15.4       + 34.5       + 13.8         24,762       20,214       28,000       - 18.4       + 38.5       + 13.1         13,800       16,560       23,000       + 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000   | •         |        |        |        |        | + 48.6 |
| 13,800       15,870       20,685       + 15.0       + 30.3       + 49.9         13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       - 15.4       + 34.5       + 13.8         24,762       20,214       28,000       - 18.4       + 38.5       + 13.1         13,800       16,560       23,000       + 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000  |           |        |        |        |        | + 48.6 |
| 13,800       15,675       20,500       + 13.6       + 30.8       + 48.6         22,545       21,300       28,000       - 5.9       + 31.5       + 24.2         20,210       17,100       23,000       - 15.4       + 34.5       + 13.8         24,762       20,214       28,000       - 18.4       + 38.5       + 13.1         13,800       16,560       23,000       + 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         15,197       16,560       25,500  |           |        |        |        |        | + 49.9 |
| 22,545         21,300         28,000         - 5.9         + 31.5         + 24.2           20,210         17,100         23,000         - 15.4         + 34.5         + 13.8           24,762         20,214         28,000         - 18.4         + 38.5         + 13.1           13,800         16,560         23,000         + 20.0         + 38.9         + 66.7           15,000         15,000         21,000         0.0         + 40.0         + 40.0           19,800         19,800         28,000         0.0         + 40.0         + 40.0           19,800         19,800         28,000         0.0         + 41.4         + 41.4           10,187         12,289         17,502         + 20.6         + 42.4         + 71.8           13,800         15,870         23,000         + 15.0         + 44.9         + 66.7           13,800         15,870         23,000         + 15.0         + 44.9         + 66.7           12,550         15,410         23,000         + 22.8         + 49.3         + 83.3           14,490         16,990         25,500         + 17.3         + 50.1         + 78.1           18,600         18,600         28,000         0.0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>+ 48.6</td> |           |        |        |        |        | + 48.6 |
| 20,210       17,100       23,000       - 15.4       + 34.5       + 13.8         24,762       20,214       28,000       - 18.4       + 38.5       + 13.1         13,800       16,560       23,000       + 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500  |           |        |        |        |        |        |
| 24,762         20,214         28,000         - 18.4         + 38.5         + 13.1           13,800         16,560         23,000         + 20.0         + 38.9         + 66.7           15,000         15,000         21,000         0.0         + 40.0         + 40.0           19,800         19,800         28,000         0.0         + 41.4         + 41.4           10,187         12,289         17,502         + 20.6         + 42.4         + 71.8           13,800         15,870         23,000         + 15.0         + 44.9         + 66.7           12,550         15,410         23,000         + 15.0         + 44.9         + 66.7           12,550         15,410         23,000         + 22.8         + 49.3         + 83.3           14,490         16,990         25,500         + 17.3         + 50.1         + 78.1           18,600         18,600         28,000         0.0         + 50.5         + 50.5           13,800         15,180         23,000         + 10.0         + 51.5         + 66.7           14,310         16,800         25,500         + 17.4         + 51.8         + 78.2           15,197         16,560         25,500         + 33  |           |        |        |        | + 34.5 | + 13.8 |
| 13,800       16,560       23,000       + 20.0       + 38.9       + 66.7         15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 15.0       + 44.9       + 66.7         13,800       16,590       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000   |           |        |        |        |        |        |
| 15,000       15,000       21,000       0.0       + 40.0       + 40.0         19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000  |           |        |        |        |        |        |
| 19,800       19,800       28,000       0.0       + 41.4       + 41.4         10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 84.8         13,800       15,870       25,500  |           |        |        |        |        |        |
| 10,187       12,289       17,502       + 20.6       + 42.4       + 71.8         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,714       16,800       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 55.3         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,870       25,500   |           |        |        |        | + 41.4 | + 41.4 |
| 13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,714       16,800       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         15,360       17,070       28,000  |           |        |        |        |        |        |
| 13,800       15,870       23,000       + 15.0       + 44.9       + 66.7         12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500  | -         |        |        |        | + 44.9 |        |
| 12,550       15,410       23,000       + 22.8       + 49.3       + 83.3         14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         15,360       17,070       28,000       + 134.5       + 63.3       + 283.0         15,360       17,070       28,000   |           |        |        |        |        |        |
| 14,490       16,990       25,500       + 17.3       + 50.1       + 78.1         18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         15,360       17,070       28,000       + 134.5       + 63.3       + 283.0         15,360       17,070       28,000       + 11.1       + 64.0       + 82.3         16,560       13,800       23,000   | •         |        |        |        |        |        |
| 18,600       18,600       28,000       0.0       + 50.5       + 50.5         13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8  | -         |        |        |        |        |        |
| 13,800       15,180       23,000       + 10.0       + 51.5       + 66.7         14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8            -20.0       + 61.0          4,700       11,022       18,000       + 134.5       + 63.3       + 283.0         15,360       17,070       28,000       + 11.1       + 64.0       + 82.3         16,560       13,800       23,000  |           |        |        |        |        |        |
| 14,310       16,800       25,500       + 17.4       + 51.8       + 78.2         15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8           -20.0       + 61.0          4,700       11,022       18,000       + 134.5       + 63.3       + 283.0         15,360       17,070       28,000       + 11.1       + 64.0       + 82.3         16,560       13,800       23,000       - 16.7       + 89.9           9,480       18,000 <t< td=""><td></td><td></td><td></td><td></td><td>+ 51.5</td><td>+ 66.7</td></t<>  |           |        |        |        | + 51.5 | + 66.7 |
| 15,197       16,560       25,500       + 9.0       + 54.0       + 67.8         14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8   |           |        |        |        |        |        |
| 14,580       16,560       25,500       + 13.6       + 54.0       + 74.9         14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8  |           |        |        |        | + 54.0 |        |
| 14,714       16,800       26,000       + 14.2       + 54.8       + 76.7         18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8  |           | •      |        |        |        |        |
| 18,300       17,800       28,000       - 2.7       + 57.3       + 53.0         14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8  |           |        |        |        | + 54.8 | + 76.7 |
| 14,400       17,500       28,000       + 21.5       + 60.0       + 94.4         13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8   |           |        |        |        |        |        |
| 13,800       15,871       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8   |           |        |        |        |        | + 94.4 |
| 13,800       15,870       25,500       + 15.0       + 60.7       + 84.8         13,800       15,870       25,500       + 15.0       + 60.7       + 84.8   |           |        |        |        |        |        |
| 13,800     15,870     25,500     + 15.0     + 60.7     + 84.8   |           |        |        |        |        | + 84.8 |
|   |           |        |        |        |        |        |
| 4,700       11,022       18,000       +134.5       + 63.3       +283.0         15,360       17,070       28,000       + 11.1       + 64.0       + 82.3         16,560       13,800       23,000       - 16.7       + 66.7       + 38.9          9,480       18,000        + 89.9  | •         | -      |        |        |        |        |
| 15,360     17,070     28,000     + 11.1     + 64.0     + 82.3       16,560     13,800     23,000     - 16.7     + 66.7     + 38.9        9,480     18,000      + 89.9   |           |        |        |        |        | +283.0 |
| 16,560 13,800 23,000 - 16.7 + 66.7 + 38.9<br>9,480 18,000 + 89.9  | -         |        |        |        |        |        |
| 9,480 18,000 +89.9  |           | -      |        |        |        |        |
| 7,000   |           | •      |        |        |        |        |
|   | 6.900     |        |        |        |        |        |

# Midwinter Meeting: American Library Association Interlibrary Loan Committee

On January 12 and 14, 1991, I attended the Midwinter meetings of the American Library Association (ALA) Interlibrary Loan Committee in Chicago. The meetings this winter were more subdued than the two I attended last year. The question of prohibiting interlibrary loans to South Africa has been temporarily tabled, since the ALA Executive Board did not approve the proposal of the Social Responsibilities Round Table (SRRT) to limit interactions with the government library of South Africa. SRRT is working on rewriting the proposal. The ALA Executive Board evidently agreed with what is the initial response of most people to the proposal: that instead of expressing disapproval of apartheid, the end result would be an information embargo for those South African people who need to do research.

The ILL Committee's telefacsimile guidelines which were approved at the June, 1990 meeting will be printed in RQ, in the Winter 1991 issue, for those of you would like to read them. The Interlibrary Loan staff training guidelines, also approved in June, have been sent to the Reference and Adult Services Division (RASD) Board for approval and possible publication as well.

The other main topic at this winter's meetings was the Interlibrary Loan Committee's program scheduled for Atlanta, Sunday, June 30 1991, at the ALA Annual Convention. The program is entitled "Directors, are you listening? New realities in Interlibrary Cooperation," and will deal with issues faced by Interlibrary Loan Departments in meeting the growing volume of requests and decreasing funds.

A subcommittee has been set up to review the National Interlibrary Loan Code, which will be broadened to include other types of materials besides books. As I am on the subcommittee, I would appreciate hearing from you with concerns, suggestions and ideas for the new code. Please send them to me: Jan Goldsmith, UCLA Law Library, 405 Hilgard, Los Angeles, CA 90024. I look forward to hearing from you on any Interlibrary Loan issues.



# A PREVIEW OF THE 1991 INSTITUTE ON MANAGEMENT FOR SENIOR LAW LIBRARY ADMINISTRATORS

from the perspective of an academic law library director
by
Margaret A. Leary
Director, University of Michigan Law Library

This Institute will be presented by the Association of Research Libraries' Office of Management Services (ARL-OMS).

You may well wonder:

Can a law librarian learn anything from an ARL-OMS Institute?

The answer is: most definitely YES!

I know, because back in November, I attended the five day Advanced Management Skills Institute specifically to learn how it would need to be modified to meet the needs of law librarians. I hope that a brief summary of what I learned will help anyone considering the 1991 Institute for Senior Law Library Administrators decide whether to apply.

Before I went, I read Modern Approaches to Understanding and Managing Organizations, by Lee Bolman and Terrence Deal (San Francisco, Jossey Bass, 1989, 325 pages), which reviews management literature and summarizes the main points in a pattern of four approaches. The thesis is that any particular organizational problem is best tackled with a multiple approach, while individual managers tend to focus on only one or two approaches, causing them to ignore benefits of the others. This book will be available to Institute participants at a reduced rate.

First, I learned about a wide range of management tools to help me with daily and long-term matters: building an organization, interpersonal relations, working in groups, problem solving, organizational communication, strategic planning leadership, values, power and influence, trust, and conflict/negotiation. I have notebook now with handy ideas for dealing with each topic.

Second, because our work was done in the setting of a hypothetical university with a library run by a male "university librarian" and a female "library director" whose roles were never clearly defined or distinguished, I learned to try the tools in a realistic and yet safe environment. I could experiment with new techniques and approaches knowing that failure would not matter!

In addition, the Institute used several methods of measuring participants' personal characteristics (communication styles, values, work methods, decision-making, and negotiating styles) so that we could recognize our own styles' strengths and weaknesses, and better appreciate that other styles were just different, not necessarily better of worse. I appreciated this opportunity for self-examination and personal growth.

The exercise in planning for the future was especially enlightening, as we worked with four possible scenarios for the library of the future and saw how our very planning could affect the content of the future.

Finally, we lived for five days in the context of an exciting vision of what the future will require of effective library organizations--but you'll have to come to Memphis in July to discover what those qualities are!

Association of Research Libraries
Office of Management Service
Advanced Management Institute
A Perspective

Joan T. White Manager, Library Services Hodgson, Russ, Andrews, Woods & Goodyear Buffalo, New York

From November 4, 1990 through November 9, 1990, I was fortunate to be a participant in the Advanced Management Institute produced by the Association of Research Libraries Office of Management Services.

Many of my colleagues in academic libraries are familiar with ARL and the quality of their programs and institutes. Frankly, I was a little apprehensive whether ARL could meet my needs (coming from a nonacademic environment), I'm pleased to report that any fears that I had were quickly dispelled.

ARL was extremely thorough in its preinstitute planning with the participants. Prior to the institute we were sent materials that would be of assistance to us during the course of the week. The institute was fortunately conducted away from my office and we were instructed by our trainers that it would be best if we were not to be in contact with our offices during the week. I really appreciated this comment by week's end.

The institute employed three learning devices: learning exercises, working independently with a colleague and working as a collective in a fictional library situation. As time passed, the fiction soon became our collective reality with all the pleasure and the pain that we face in our work environments.

From fictional reality I was able to deal with my reality and to begin the long process of improvement and change. It was also interesting to learn that even though we come from different types of libraries, our problems and how we choose to deal with these problems are similar. By the end of the week I was feeling rather drained but yet energized. I could hardly wait to return to my office and begin to slowly implement what I had learned.

The American Association of Law Libraries will be offering this institute to the membership this summer. I hope I haven't given too much away (its analogous to giving away the end of a book or movie).

In all sincerity, attending this institute was one of the most positive actions that I have made both in my career and my personal life. I was able to get so much from the institute because of the ARL trainers and the support of my colleagues who also participated in the institute. I would strongly urge that we all participate in this type of institute at some point in our lives and careers.

## APPLICANTS FOR ALA MINORITY FELLOWSHIP PROGRAM SOUGHT

The ALA Minority Fellowship Program is designed to provide an opportunity for minority librarians to gain an understanding of association management, ALA's structure and operations, and how policy is formulated and implemented. It is intended to improve the upward mobility of minority librarians, make the ALA better known and more visible to minorities and minority librarians, and increase the number of minorities in the profession and in the ALA. The selected fellow will spend 70 to 75 percent of the time working in an ALA division or program office at ALA headquarters in Chicago, 20 percent on an independent special project, and 5 to 10 percent in overall ALA activities and association management workshops.

To qualify, an applicant must: be a librarian/information professional (American Indian or Alaska Native, Asian or Pacific/Islander, African American, or Hispanic); hold a master's degree from a library science program accredited by the ALA or from a program that meets the ALA/American Association of School Librarians (AASL) curriculum guidelines within a unit accredited by the National Council for Accreditation of Teacher Education; have a minimum of three years professional working experience in a library or information science environment and be a member of ALA at the start of the fellowship. The 1991-92 stipend for the ALA Minority Fellow is \$30,000 plus medical, dental, life and disability insurance, and relocation assistance to Chicago. To obtain more information about the program or to receive application materials, contact: ALA Offfice for Library Outreach Services, 50 E. Huron St., Chicago, IL 60611. Telephone: 1-800-545-2433, ext. 4294.



#### SELECTED UPCOMING EDUCATIONAL OPPORTUNITIES

#### <u>1991</u>

June 6-7: "Business of Acquisitions," Institute, Boston, MA. Focus will be on basic acquisitions of monographs, serials, and media and the relationships between librarian, library booksellers, subscription agents, and publishers. Sponsored by ALA/ALCTS. Contact: Alex Bloss, Deputy Executive Director, ALA/ALCTS, 50 E. Huron St., Chicago, IL 60611, or 312/280-5034 or 1-800/545-2433, ext. 5034.

June 7-9: Two conferences: "Human Resources" and "Analytical Tools," San Antonio, TX. Sponsored by SLA, 202/234-4700.

June 8-13: SLA 82nd Annual Conference, "Masterminding Tomorrow's Information-Creative Strategies for the '90s," San Antonio, TX. Contact SLA, 202/234-4700.

August 8-15: ABA Annual Meeting, Atlanta, GA.

August 18-24: IFLA Annual Conference, Moscow, USSR. Contact: IFLA, POB 95 312, 2509 CH the Hague Netherlands. Telephone: 31703140884. FAX: 3170383827. Telex: 34402.

September 24-27: "Library Management Skills Institute, Basic: The Manager," Los Angeles, CA. Contact OMS/ARL, 202/232-8656. FAX: 202/462-7849.

September 25-27: "Management Skills," Toronto, ON. Sponsored by SLA, 202/234-4700.

October 6-11: 15th Conference on the Rule of Law in the World, Barcelona, Spain. Contact the Conference Coordination Office, Washington, DC at 202/466-5428 or by FAX 202/452-8540.

October 20-25: "Library Management Skills Institute, Advanced: The Management Process," Tucson, AZ. Contact OMS/ARL, 202/232-8658; FAX, 202/462-7849.

October 24-26: WestPac Annual Meeting, Snow Bird Ski & Summer Resort. For information, contact: Rita Reusch, Local Arrangements Chair, University of Utah Law Library, 801/581-6594.

November 7-10: North East Regional Law Library Conference, Hershey Hotel, Philadelphia, PA. Attendees will be MD, NJ, Washington, DC, ALLUNY, LLAGNY, and GPLLA. (from GPLLA Newsletter, November 15, 1990).

#### <u>1992</u>

January 4-7: AALS Annual Meeting, San Antonio, TX. Contact AALS at 202/296-8851.

January 25-30: ALA Midwinter Conference, San Antonio, TX.

February 5-8: "Managing Emerging Technologies," AALL Winter Institute, Dallas, TX.

February 6-13: Art Libraries Society (ARLIS)/North America Annual Conference, Chicago, IL. Contact: Pamela Parry, 602/881-8479.

April 1-4: ACRL 6th Annual Conference, St. Louis, MO.

April 1-7: National Library Week

June 6-11: SLA 83rd Annual Conference, San Francisco, CA.

June 27-July 2: ALA Annual Conference, San Francisco, CA.

July 18-23: AALL Annual Meeting, San Francisco, CA.

August 6-13: ABA Annual Meeting, San Francisco, CA.

#### <u>1993</u>

April 18-24: National Library Week

June 5-10: SLA 84th Annual Conference, Cincinnati, OH.

June 26-July 2: ALA Annual Conference, New Orleans, LA.

July 10-15: AALL Annual Meeting, Boston, MA.

A more complete listing of continuing education opportunities can be found in the American Association of Law Libraries Newsletter.

### CHECK IT OUT: Libraries to become stars

Jerry Neuman, a radio announcer and producer at KQED-FM (88.5 fm), the primary National Public Radio affiliate for the San Francisco Bay area, has announced that he is creating a daily two-minute modular radio program about libraries. In radio since 1974, Mr. Neuman previously was a sales representative for Doubleday & Co. in their school and library sales department.

The model for the program is *STAR DATE*, an astronomy program that has been successfully on the air for over a decade. The new program, called *CHECK IT OUT*, will be primarily about public libraries, but also will cover other libraries, information services, electronic databases, and other topics about libraries. Neuman plans to go on the air early in 1991 in San Francisco. The program will be made available to all public radio stations in California. Mr.Neuman says that national distribution to the public and perhaps to commercial radio markets awaits adequate funding. He thinks that funding will be found by mid-1991.

The format of CHECK IT OUT will be a simple, daily two-minute module (about 275 words), presenting different library-related subjects. Mr. Neuman's goal is to use the program as a means of promoting understanding and appreciation of the ways in which the nation's libraries, especially its public libraries, serve the public individually and as a society. He hopes to cover all library issues in an engaging and informal way, using humor and whimsy to demystify libraries. Mr. Neuman says that he brings to the project a love of libraries and an enthusiastic patron's point of view. He will be both host and executive producer of the series.

CHECK IT OUT is funded for one year by a California State Library L.S.C.A. grant. Logistical support is being provided by the Peninsula Library System, a library co-op headquartered in San Mateo, CA. Equipment assistance is being provided by the Apple Library, Apple Computer, Inc. The American Library Association is actively seeking funding for national distribution of this project.

Mr. Neuman invites script submissions for *CHECK IT OUT*. HE is especially looking for scripts that describe practical uses of libraries but urges those who submit scripts to write about what interests or amuses them. Scripts that are used in the series will earn their writer \$35.00. Additionally, writers will be given broadcast credits for each script used and a cassette of the program after broadcast. Interested writers may obtain script guidelines and sample scripts from *CHECK IT OUT*, Peninsula Library System, 25 Tower Rd., San Mateo, CA 94402-4000 or from PLS at 415/349-5538.

Mr. Neuman can be reached at 415/452-4774 weekdays between 9:00 A.M. and 1:00 P.M. Pacific Standard Time, weekends anytime after 9:00 A.M. PST. E-mail messages can be left at The WELL (jerryn@well.uucp). Regular mail may be addressed to Mr. Neuman at: Jerry Neuman Productions, Suite 20-A, 1200 Lakeshore Ave., Oakland, CA 94606-1631.

CHECK IT OUT is a truly unique public radio service. It finally gives a voice to the library, a public service that has heretofore been without a sustained public relations presence to its existing and potential users. Jerry Neuman invites all of us to become a part of this creative opportunity with our script submissions.

## ALL-SIS NEWSLETTER, VOL. 11, NO. 4 DEADLINE

The deadline for Vol. 11, # 4 is **JUNE 1, 1991**. Please send articles, notes, comments, suggestions, etc. to me at the University of Puget Sound Law Library, 950 Broadway Plaza, Tacoma, WA. 98402-4470, or via FAX: 206-591-6313. Thanks!

Faye Jones

ALL-SIS Newsletter Faye Jones, Editor University of Puget Sound Law Library 950 Broadway Plaza Tacoma, Washington 98402-4470 Bulk Mail U.S. Postage PAID Tacoma, WA 98416 Permit No. 4

