## Juvenile Marine Science Collections Evaluating and Improving Where Are the Whale Books?

Janet G. Webster

their immediate environs. While viding good science books about ies should help them connect by protheir world" (Iatrides 1993, 5), librarcrete experiences are connected to children do "learn when their conthere are standard works and com tion to satisfy children's curiosity. If son 1991). Libraries provide informa-(Piaget 1952; Carter and Abrahamtion as their cognitive skills develop seek out different types of informasquish, and where sand comes from. out what makes light, why bugs At different stages in their lives, they the physical world, trying to figure ing these adventures, they explore grounds, and neighborhoods. Durthrough backyards, school playventure out into the work (hildren learn from their immediate surroundings. They

> that is the mountains, the city streets immediate environment, whether has a responsibility to emphasize the

a small library know when it has a their wonder" (Maracek 1993, 125) inquisitiveness, their curiosity, and ets creates a challenge to find just the coupled with tight collection budglists and reviews) are used, how can Even if the tools (e.g., "best books" right books "that foster [children's smaller ones, building a collection 'good" collection? lection easier. This lack of expertise backgrounds that would make seenvironment—the child's backthat adequately addresses the local ones (Flatow 1991; Goldberg 1991). public libraries rarely have science yard—is problematic. Staff in many For many public libraries, especially many inaccurate and inappropriate are readily available, but so are

marine science collections of ten public libraries on the Oregon coast This study examined the juvenile

mon fascinations, every local library

Good science books for children

and build adequate local collections. and other review sources to evaluate subject expertise, should have led to a tool, a "best books" list, coupled with difficult. Using a standard evaluation age statistics and enlisting staff intuidone to discover how to use such a list tions. When it did not, more work was clear assessment of the various collections beyond monitoring general usnone has evaluated juvenile colleccommitment to children's services, tion. Describing adequacy proved the libraries demonstrate a strong about their backyards. While most of children with good science books to assess if they adequately provided

that 33 percent of recommended titles children's literature collection suggests Nevin's (1994) evaluation of a college's caster 1988; Nevin 1994; Doll 1995) check a collection for adequacy (Lanthe results of using a bibliography to Some studies suggest how to analyze mer 1986; Roy 1992; Willett 1992) adequacy inconclusive (Hippenhambrin 1988; Carter 1993; Van Orden well documented (Winkel 1986; Koscience book and explanations of relections is scanty and definitions of mation on assessing children's colviews and review sources are also burn 1994). Tips on what makes a good and Douglas 1988; Roy 1992), although collections (Lancaster 1988; Robbins 1995; Horning 1997). Applied inforlittle targets children's collections (Colmation on the process of evaluating (Lancaster 1988). There is ample infordren interested in their backyards) needs of potential users (e.g., chilreading in young children) to the lection's purpose (e.g., promoting Collection evaluation relates the col-

> library has 50-59 percent. of the recommended titles while a "D" cusses a formula for grading academic is adequate. Lancaster (1988) dislist; an "A" library has over 90 percent library collections against a standard

dence in the use of "best books" lists users' needs and collection goals. tiction science collections. to evaluate and improve their nonwhat it is and how it is achieved. sive goal with no clear answer on children's librarians to gain confi-An "adequate collection" is an eluend, however, a good nonfiction col-Concrete examples would assist lection is built to respond to its own and Zweizig 1988), what happens lar libraries can be helpful. In the Comparing the percentage to simi-How does it describe adequacy? when that percentage is tallied? mended titles is critical (Robbins While the percentage of recom-

## Methods

# Compiling the List

clude scientists, librarians, and teachstrong science backgrounds and inviewers in Science Books & Films' have scientifically accurate, readable, and appropriate to the audience. The rethat are readily available (trade books) ducers of these sources sought books of Science and Children ("Outstanding. children published in the March issues .." 1993, 1994, 1995, 1996). The prooutstanding science trade books for and Sosa 1996), and four annual lists of sources: Science Books for Young People books published between 1992 and A list of ninety-five marine science Best Books for Children 1992—1995 (Gath (Phelan 1996), Science Books & Films 1995 was compiled using three

University in Newport, Oregon.

ilyn Potts Guin Library of the Hatfield Marine Science Center at Oregon State

Janet G. Webster is a librarian at the Mar-

**TABLE 2** 

|                        | TABLE 1                     |               |
|------------------------|-----------------------------|---------------|
|                        | Sources for the Best Books  |               |
|                        | Titles on "Best Books" List | Unique Titles |
| Phelan (Booklist)      | 39                          | 7             |
| Science and Children   | 27                          | w             |
| Science Books & Films' | 51                          | 22            |
|                        |                             |               |

marily on reviews in Booklist. are juried by a panel of teachers and ers. The lists from Science and Children tion. Phelan (1996) bases her list pri-National Science Teachers Associalibrarians under the auspices of the

out-of-region (e.g., manatees). This in all three sources and an addinorthwest (e.g., coral reefs and the were out-of-region for the Pacific the sources appears in table 1. tional nineteen appeared in two of Books), of which six titles appeared five (referred to hereafter as Best process reduced the list to eighty-Atlantic coast) or addressed animals titles were removed because they the three sources. A comparison of From the compiled lists, several

communities were selected for study. were examined. Ten of the sixteen liscribe the libraries whose collections access catalogues. Data in table 2 dewere examined using online public were physically located in coastal service populations to the ten coastal were selected that had comparable to the study. Ten noncoastal libraries braries and was considered relevant reflects the diversity of community lilection and budget size. This variety braries vary significantly as do colbraries serving Oregon's coastal The collections of twenty libraries libraries. Just as the coastal libraries The service populations of these licommunities, the noncoastal ones

> Valley communities in Oregon. served rural to semi-rural Willamette

same catalogue as the Florence Pubserving farming and light industrial covers eight public libraries on the senting several cities were studied. community college, one private elecessible via Telnet, made evaluating populations in central Willamette searched. Nine of the noncoastal lilogues of Astoria Public Library and others are very small. The catathree collections were assessed; the southern Oregon coast of which Library Service District's Coastline, The second catalogue, Coos County gon coast. For this study, the city tricts all located on the central Orementary school, and two library disholdings of five city libraries, one Coastal Resource Sharing Network the libraries' holdings easier. The lic Library Valley. The final noncoastal library, the records of nine libraries, most logue. This union catalogue holds Regional Library Service's catathough the Chemeketa Cooperative braries' holdings were reviewed Fern Ridge, was included in the the Florence Public Library were libraries and the one district repre-Electronic catalogues, several accatalogue includes the

# **Checking the Collections**

and, if not found, by author. If still not Each book was searched first by title found, a title keyword search or cor-

> Selected 1995-96 Statistics (Oregon State Library 1997) Service Collection Circulation Circulation Circulation Adult Juvenile "A Juvenile Budget Book Total

Budget ". Iotal Ξ

Budget luvenile 3

|              | Population | Size        | Circulation | Circulation Circulation Circulation | Circulation         | Budget   | Juvenile | Zonfiction |
|--------------|------------|-------------|-------------|-------------------------------------|---------------------|----------|----------|------------|
|              |            |             |             |                                     | -                   | -        |          |            |
| Coastal      |            |             |             |                                     |                     |          |          |            |
| Astoria      | 10,000     | n/a         | 89,717      | 22,020                              | 20                  | \$16,469 | n/a      | n/a        |
| Bandon       | 5,517      | 25,000 (1)  | 63,771      | 13,960                              | ž                   | 21,897   | n/a      | n/a        |
| Coos Bay     | 25,162     | 85,896 (1)  | 219,337     | 65,800                              | 'n                  | 76,417   | 5        | 27         |
| Florence     | 14,819     | 46,246 (1)  | 143,947     | 27,750                              | 16                  | 56,486   | 17       | 50         |
| Lincoln City | 10,916     | 43,837 (t)  | 108,083     | 16,822                              | 13                  | 41,266   | 25       | ಜ          |
| Newport      | 16,668     | 59,052 (11) | 157,818     | 53,730                              | ij                  | 50,575   | 125      | 33         |
| North Bend   | 16,986     | 76,991 (n)  | 147,245     | 52,503                              | 26                  | .tu,581  | 22       | 25         |
| Tillamook    | 23,300     | n/a         | n/a         | n/a                                 | n/a                 | 71,331   | 28       | 25         |
| Toledo       | 6,053      | 26,847 (u)  | 42,098      | 28,250                              | ÷                   | 20,306   | ÷        | 35         |
| Waldport     | 4,428      | 16,000 (t)  | 26,640      | 5,023                               | 16                  | 10,196   | 20       | 20         |
| Noncoastal   |            |             |             |                                     |                     |          |          |            |
| Dallas       | 21,322     | 55,310 (u)  | 120,438     | 62,529                              | بن:<br><del>-</del> | 530,339  | n/a      | n/a        |
| Fern Ridge   | 9,850      | 24,282 (1)  | 61,158      | 19,701                              | 24                  | 11,479   | n/a      | n/a        |
| Junction     | 4,090      | 17,845 (1)  | 39,958      | 23,771                              | 37                  | 10,963   | n/a      | n/a        |
| McMinnville  | 38,351     | 81,641 (1)  | 177,528     | 79,759                              | 31                  | 39,000   | r/1      | n/a        |
| Monmouth     | 16,574     | 44,106 (t)  | 87,661      | 56,016                              | th                  | 26,341   | n/a      | n/a        |
| Mt. Angel    | 5,134      | 25,794 (u)  | 17,245      | 17,000                              | .25                 | 14,083   | n/a      | n/a        |
| Newberg      | 17,179     | 46,547 (1)  | 92,921      | 67,851                              | -12                 | 35,647   | n/a      | n/a        |
| Sheridan     | 7,185      | 19,185 (u)  | n/a         | n/a                                 | ה/מ                 | 10,673   | n/a      | n/a        |
| Silver Falls | 17,009     | 43,631 (I)  | 88,699      | 61,920                              | ÷                   | 38,061   | n/a      | n/a        |
| Woodburn     | 25,981     | 64,314 (u)  | 110,441     | 55,221                              | 33                  | 41,999   | n/a      | n/a        |

t=titles u=units

missing. Multiple copies were not reowning the book even when it was cause purchasing is done centrally. Al publication date, and review source. lecting by grade level, publisher sheets and analyzed for patterns of coldata were compiled in Excel spread were all counted as one collection bebranches and a bookmobile; these County Library System has multiple propriate. A library was credited with porate author search was done as ap-For example, Tillamook

more detail. These libraries apvided a snapshot of the juvenile macorded by publication year and proion catalogue was the most accessiof the coastal libraries, and the un-CRSN collections were searched for rine science collections in those Best Books. The results were rethe subject headings assigned to the ble. The extended searching used peared to have the best collections libratics. After this stage of searching, the

TABLE 4

### 5,000-10,000 Over 21,500 10,001-21,500 Service Population Minimal % 2 15 = Collection Levels TABLE 3 Basic % 35 20 Intermediate % 3 50 Outstanding % 85 75 65

## Staff Surveys

asked what problems were encounselection process. They were also about the tools used to identify and checked to see if they were reviewed viewed mentioned School Library budget, budget allocation, and the Collection staff at eight of the coastal tool, so the titles on the list were *Journal* as a much-used reviewing for children. Many of those intertered when collecting science books purchase children's science books libraries were interviewed by phone in School Library Journal. They were asked about the collection

on a topic to satisfy demand, or an on each selected topic, enough books can be seen as a set number of books this study, adequacy was considered brarian about his or her clientele. For intuitive feeling by the children's liın several ways: For a children's collection, adequacy

- Coastal/Noncoastal Comparison: noncoastal library of similar size. books of the Best Books than a A coastal library should have more
- Collection Level: The concept of academic setting to the children's explored and adapted from the sessment Manual (Forcier 1988) was "collection level" as described in collection. Table 3 describes the the Pacific Northwest Collection As-

could be well chosen. brary with a limited budget would sarily a bad collection; a small li-"minimal" collection is not neceshave fewer books, but those few

- of nonfiction children's budgets. with collection staff and published ets. This study relied on interviews and reading level is a rare occurof the collection budget spent on Budget Allocation: The percentage budget statistics to create a picture rence in small public library budg-Budget accounting by subject area Best Books was also considered
- Quality: Adequacy was considered in terms of quality versus nant of quality. collections of the five CRSN librarquantity. The entire marine science it is sometimes used as a determipercentage of Best Books to others ies were examined to compare the riod. Price was also considered, as purchased in the same time pe-
- Diversity: A diverse collection is ests. The Best Books list was proach to collections and interwould not reflect a broad apmal books and few on other brary only collects marine mamof marine science books. If a lias important as a large collection mammals and books on other topdivided into two parts—books on marine topics, that collection dressing the needs and tastes of al ics. Diversity also suggests ad-

levels. It is important to note that a

### Bandon Astoria 5,000-10,000 Service Population % of Best Books Owned by Coastal and Noncoastal Coastal Libraries of Comparative Sizes 10.59 2.35 Junction City Fern Ridge Noncoastal

2.35 4.71

| Toledo                           | 21.18 | Mt. Angel    | 1.18  |
|----------------------------------|-------|--------------|-------|
| Waldport                         | 11.76 | Sheridan     | 4.71  |
| 10,001-21,500 Service Population |       |              |       |
| Florence                         | 22.35 | Dallas       | 12.94 |
| Lincoln City                     | 21.18 | Monmouth     | 4.12  |
| Newport                          | 29.41 | Newberg      | 16.47 |
| North Bend                       | 10.59 | Silver Falls | 10,59 |
| Over 21,500 Service Population   |       |              |       |
| Coos Bay                         | 10.59 | McMinnville  | 14.12 |
| Tillamook                        | 15.29 | Woodburn     | 3.53  |
| Average                          | 15.53 |              | 8.47  |
| Median                           | 13.53 |              | 7.65  |

subject, age, and publisher bias. braries were then examined for children. The holdings of CRSN li-

### Results

# **Evaluating the Collections**

 Coastal/Noncoastal Compariwith service populations over son: Most coastal libraries do colmore than the larger libraries appear to collect proportionately dian for coastal libraries is 13.5 braries have 8.5 percent. The mepercent compared to 7.6 percent Best Books while noncoastal litheir noncoastal counterparts lect more marine books than for noncoastal. Smaller libraries libraries have 15.5 percent of the (see table 4). On average, coastal

> Collection Level: Four libraries outstanding collections. tion. None has intermediate or and Toledo) have a basic collec-(Florence, Lincoln City, Newport,

 Budget Allocation: Most of the lispend 25 percent to 50 percent o nontiction are lower at 35 percent suggested allocations for juvenile suggest 50 percent to 85 percent of circulation as well as national ages cent of the total budget, percentto 40 percent of the juvenile budget (Carter and Abrahamson 1991), juvenile circulation is nonfiction 1994). While national estimates trends (Gertzog and Beckerman ranged from 20 percent to 50 pertics. The juvenile allocations funds based on circulation statisbraries studied allocated materials The coastal libraries surveyed (Certzog and Beckerman 1994) consistent with local

WEBSTER | WHERE ARE THE WHALE BOOKS?

|                                  |          | ,            |                   |
|----------------------------------|----------|--------------|-------------------|
|                                  | Basic    | Intermediate | Outstanding Level |
|                                  | Level    | Level        |                   |
| 5,000-10,000 Service Population  | \$ 44.53 | \$116.45     | \$187.00          |
| 10,001-21,500 Service Population | 58.23    | 147.28       | 219.20            |
| Over 21,500 Service Population   | 102.75   | 174.68       | 246.60            |
|                                  |          |              |                   |

of these libraries appear to budget adequately for juvenile nonfiction. tween libraries, on the whole most Best Books year after year. tently, though minimally, collected The strongest collections consis-

Although there is variation be-

their juvenile funds on nonfiction

standing collections while others consciously build their collections at riety in budgets; given this variety, allocated to create better collections compared to what would have to be on the average cost) is low when actually spent on Best Books (based various levels while table 5B relates 5A shows the actual cost to collect at erage cost of \$13.70 per title. Table will maintain basic ones. tion. Some may choose to build outlevels appropriate for their instituhelp staff track expenditures and haps that more budget analysis may the most useful observation is per-The data also point out the wide vation of juvenile nonfiction budgets Based on 1995-96 budgets, the porthose costs to each library's budget. for \$1,164 over four years at an av-Books could have been purchased to possible purchases. All of the Best Actual purchases were compared

 Quality: Table 6 indicates variety tions. On average, 50 percent of in the age and size of CRSN collection would have a higher percent-Best Books. An outstanding collec-1992-96 collections consisted of

age of Best Books. Price did not appear to be a determining tactor in

Diversity: The collections reflect also did not appear to be a bias by mals, suggesting broader apbe anticipated (see table 7). There little bias toward marine mamproaches of collecting than might

more widely. On the whole, the pattowards one publisher over another. terns in this study did not reflect a bias ers with more titles are collected As would be expected, the publishfour, one had five, and one had six had two, three had three, six had three publishers; twenty-three publishers had one title on the list, nine

# Using the Review Tools

sources used to compile the Best mentioned review source. Three listanding collections. None of the view tools effectively to build outthe staff do not appear to use the reneed to collect marine science titles, Films'. While a variety of resources only one mentioned Science Books & braries mentioned the annual list School Library Journal was the most libraries studied relied on the three published in *Science and Children*, and Books list. In interviews with staff,

age group.

The Best Books represent forty

While there is an awareness of the

## Nonfiction Budget for Marine Science Actual and Proposed % of Juvenile **TABLE 5B**

|                                  | 1995-96<br>Juvenile<br>Nonfiction<br>Budget | % Spent on Marine Science in 1995-96 | % Needed for<br>Basic<br>Collection | % Needed for<br>Intermediate<br>Collection | % Needed for<br>Outstanding<br>Collection |
|----------------------------------|---|--------------------------------------|-------------------------------------|--|---|
| 5,000-10,000 Service Population* | ice Population*                             |                                      |                                     |  |   |
| Toledo                           | \$2,843                                     | 2.1                                  | 1.6                                 | 4  | 6.6                                       |
| Waldport                         | 1,020                                       | 3.4                                  | 4-                                  | 11.4                                       | 18.3                                      |
| 10,001-21,500 Service Population | vice Population                             |                                      |                                     |  |   |
| Florence                         | <b>\$</b> 5,000                             | 1.3                                  | 1.2                                 | 2.9  | 4-<br>4-                                  |
| Lincoln City                     | 3,400                                       | 1.8                                  | 1.7                                 | 4.3  | 6.4                                       |
| Newport                          | 4,172                                       | 2.1                                  | 1.4                                 | 3.5  | 5.3                                       |
| North Bend                       | 2,500                                       | 1.2                                  | 2.3                                 | 5.9  | 8.8                                       |
| Over 21,500 Service Population   | ce Population                               |                                      |                                     |  |   |
| Coos Bay                         | \$3,000                                     | 1.4                                  | 3.3                                 | 5.6  | 8.0                                       |
| Tillamook                        | 5,000                                       | 5                                    | 2.1                                 | 3.5  | 4.9                                       |
|                                  |   |                                      |                                     |  |   |

Figures not available for Astoria & Bandon

were mentioned,

these well-re-

commonly used. garded specialized tools were not four review tools studied. The five owned by five of the libraries to the Table 8 compares the Best Books

centage of Best Books in their collec-City, Newport, Tillamook, and ignore tions. It appears that libraries could Toledo as these had the highest perlibraries include Florence, Lincoln specialized

# Age and Quality of Selected Collections TABLE 6

|  | Lincoln City Newport Tillamook | Newport | Tillamook | Toledo | Waldport |
|--|--------------------------------|---------|-----------|--------|----------|
| Total Juvenile Marine<br>Science Books | 71.0                           | 83.0    | 85.0      | 54.0   | 34.0     |
| Pre-1980 Publication Date              | 14.0                           | 17.0    | 33.0      | 6.0    | 10.0     |
| 1980-91                                | 21.0                           | 20.0    | 25.0      | 18.0   | 5.0      |
| 1992-95                                | 3.0                            | 46.0    | 27.0      | 30.0   | 19.0     |
| Best Books (1992–95)                   | 18.0                           | 25.0    | 13.0      | 18.0   | 0.01     |
| % of Best Books in Recent              | 50.0                           | 54.3    | 48.2      | 60.0   | 52.6     |
| l'urchases                             |                                |         |           |        |          |

TABLE 7
Diversity of the Collections

|   | Florence | Florence Lincoln City Newport Tillamook Toledo | Newport  | Tillamook | Toledo   |
|---|----------|--|----------|-----------|----------|
| Mammal Best Books in the                                | 5 (26%)  | 5 (26%) 4 (22%) 13 (52%) 2 (15%) 6 (33%)       | 13 (52%) | 2 (15%)   | 6 (33%)  |
| Nonmammal Best Books in the Collection (51 titles /60%) | 14 (74%) | 14 (74%) 14 (78%) 12 (48%) 13 (85%) 18 (67%)   | 12 (48%) | 13 (85%)  | 18 (67%) |
| the Collection (51 titles/60%)                          |          |  |          |           |          |

mended list and only use School Library Journal to develop basic collections. For example, for two of these five libraries, almost 100 percent of the Best Books titles purchased were reviewed in School Library Journal. If Science Books & Films' is added, the vast majority of all five libraries' purchases appear.

The results question the utility of seeking out the specialized review tools; using *School Library Journal* appears to be a simple way to build an outstanding collection. Yet, two issues arise as problematic—number and quality of reviews. Several librarians surveyed mentioned the overwhelming number of reviews and their lack of time to wade through them. This situation would indicate a need for specialized lists

of reviews and recommendations. While School Library Journal has broad coverage, a cursory comparison of titles used in this study found several instances where School Library Journal gave a poor review to a title appearing in one or more of the specialized sources. More research comparing coverage and review ratings of School Library Journal to the specialized tools would be helpful. At the very least, librarians should be aware of the difficulty of making "certain that all books get the reviews they deserve" (Briley 1993, 106).

Looking at various combinations of review tools shows the most efficient sources that produce greatest coverage (see table 9). *Science Books & Films'* has the broadest coverage,

TABLE 8
Comparison of Review Sources to Actual Purchases

| Companiso                 | II OI WEATEN | Companyon of Keview Sources to Actual Entertases | With 1 th | CHASES     |        |
|---------------------------|--------------|--|-----------|------------|--------|
| Review Sources            | Florence     | Lincoln City Newport                             | Newport   | Tillamook  | Toledo |
| A: Phelan (Booklist)      | 9            | 13   | 11        | 6          | 9      |
| B: Science and Children   | I            | 9  | Ŧ         | <b>3</b> 6 | 7      |
| C: Science Books & Films' | 10           | 51   | 12        | 4          | 12     |
| D: School Library Journal | 13           | 17   | 17        | 13         | 15     |
| A and D                   | 15           | 18   | 21        | 13         | 16     |
| B and D                   | 16           | 17   | 19        | 13         | 15     |
| C and D                   | 18           | 17   | 23        | 13         | 18     |
| A and C                   | 11           | 15   | 20        | 7          | 15     |
| B and C                   | 19           | 13   | 22        | 10         | 16     |
| A and B                   | 16           | 16   | 20        | 12         | 13     |
| Best Books Owned          | 19           | 18   | 25        | 13         | 18     |
|                           |              |  |           |            |        |

TABLE 9

Coverage of Best Book Titles by Individual Review Tools and Combinations (% of Best Books List)

| OR                     | Phelan<br>(Rooklist) | Science<br>and Children | Science School Books & Films' Library Journal | School<br>Library Journal |
|------------------------|----------------------|-------------------------|---|---------------------------|
| Phelan (Booklist)      | 39 (46%)             |                         |   |                           |
| Science and Children   | 52 (61%)             | 27 (32%)                |   |                           |
| Science Books & Films' | 75 (88%)             | 69 (81%)                | 51 (60%)                                      |                           |
| School Library Journal | 59 (69%)             | 53 (62%)                | 75 (88%)                                      | 48 (56%)                  |
|                        |                      |                         |   |                           |

using the collection levels in table 3. ence book on it, all but the largest entiously bought every marine sciwould lead to at least an intermediand Children annual list and conscigests that using the specialized reate collection. Combining any two of the sources tion (32 percent of the Best Books) libraries would have a basic collecoutstanding collections. For examview tools would help to build ple, if a library only used the *Science* lector's desk. Common sense sugand if combined with School Library Best Books would have crossed a se*fournal,* reviews of 88 percent of the

## Conclusions: Improving the Collections

Making good science books readily available to children takes tools, funds, and commitment. As this study illustrates, tools exist to assist in the building of well-rounded, current marine science collections. Consistent use of a variety of standard and specialized reviewing tools appears to be the best way to find good science books. Collections built from a reliance on one or two sources are not as good. The expertise of scientists, teachers, and other librarians, reflected in the careful selections for

cess to information (Harrington tools greatly enhances children's acdecisions using readily available pass it on. Making sound collection a useful tool and will take the time to with subject expertise who recognize entity, or simply by other librarians taken individually, through a state should be made to get local libraries on the mailing lists for the specialized able (e.g., on their desk). Efforts specialized lists when readily availlists; such efforts could be underbrarians indicate a willingness to use of needing to know every subject. Lidium-sized library from the burden relieving the staff of a small or merecommended lists, can be enlisted

sive of local as well as exotic environments. More research on the acencourage science curriculum inclushould consider story times and curse and a blessing, but without it, brarians can work with educators to focus on the ocean and seashore. Lisummer reading programs with a dren's staffs of coastal libraries shelf, or never even get there. Chilgreat books can languish on the tions. Creating demand is both a examine traditional budget allocaeasier to get administrators to rethe funds for purchases are often lacking. Increased demand makes it While the tools for selection exist

collection budgets. For instance ful motivators for budget decisions. book. Usage and demand are powerwould give the children's librarian intracking usage of nonfiction collections would help library staff shape purchase a biography or a science formation when deciding whether to tions through circulation statistics tual use of juvenile nonfiction collec-

demonstrating their utility. and others 1990). Evaluating collecshould also be considered (Robbins measure the satisfaction levels of compiled Best Books list, and adoptconcrete way to evaluate a collecgress towards those goals should be lected parts of the children's collecvalue and to direct purchases. The statement can be used to verify its sistent evaluation of the collection. young users, parents, and teachers tles owned. Surveys designed to standing levels by percentage of tiing basic, intermediate, and outtion—checking holdings against a pursued. This study suggests one tion. Then, ways to evaluate progoals should articulate what levels in strong collection goals and conscience books available is reflected tions helps improve them while the library wants to achieve in se-Regular review of the collection The commitment to making good

crash and how fish swim. At that collection is when children can find rons (Carter and Abrahamson 1991). cluding science about their local enviusers to a wide range of literature inence collections happens over time. It point, the library has helped satisfy The true test of good marine science reveals the staff's willingness to direct mation about their backyards the book that explains why waves their curiosity by providing infor-Building good juvenile marine sci-

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