



IN MEMORIAM

Br. Andrew Gonzalez, died on Sunday, January 29, 2006. Br. Andrew, distinguished educator and linguistics scholar, was President at De La Salle University, Manila, and Secretary of the Department of Education, Culture and Sports of the Philippines

Brothers of the Christian School  
Via Aurelia 476  
00165 Rome, Italy

February 2006

Andrew Gonzalez, FSC

Asia 2004  
The Education Situation



# Asia 2004. The Education Situation

## 1. Purpose

The purpose of this compilation of information about education in the Asian region is to provide pertinent data for policy and planning for the General Council through the Office of Education at the Motherhouse.

By presenting data on education in Asia, country by country, including information on population, population growth, size of the education sector (primary, secondary, tertiary), the presence or absence of the Roman Catholic Church in the country, the presence of Catholic schools, the presence of the Brothers, and the types of schools run by the Brothers, a more enlightened plan for the future of the Institute in the region may be suggested and considered by the General Council. One cannot look at education in any region of the world in a vacuum; it has to be situated within the social parameters existent in the country; including its economy and politics.

## 2. Sources of Data

Data on the educational situation of each country may be found in international agencies publications, such as those of the World Bank and the Asian Development Bank. The basic statistics are published each year by these agencies, supplemented by country studies which the staff and the consultants of these banks prepare as background papers for their lending and assistance projects.

For the Asian region, the most comprehensive data compilation is found in an annual report by the Asian Development Bank under its series Key Indicators, the latest being 2003, based on 2002 data. This is the main source for this presentation since the ADB data for Asian countries is usually more detailed than the World Bank data in their respective yearbooks.

For the Philippines, the planning agency called the National Economic Development Authority puts out more detailed data but only for that country.

There are detailed reports on education in each country as well except for smaller countries or countries which are not yet in a position to have a data-gathering agency for their economic plans.

In addition, different scholars connected with universities have periodic compilations of country reports focusing on one or more aspects of the education situation of groups of countries (see the references section under Philip Altbach, who edits almost each year multi-country reports done by scholars of each country on different aspects of higher education). There are likewise reports from various higher education organizations which put out directories and statistical data on institutional profiles of their members. Samples of these compilations may be found in the list of references.

## 2.1 Data per Country in Asia

The countries to be considered in this report are members of the Asian Development Bank. These countries range from very small economies to huge countries such as China and India. For smaller countries data is not always available; an important dimension to consider is the economic prosperity of each country. For some, instead of per capita Gross National Product, reported is the per capita Gross Domestic Product (which includes the same constituents as per capita GNP minus foreign exchange earnings from overseas workers and foreign investments). Where GDP is listed instead of GNP, there is a note appended. There are also countries which do not have data for 2002 but for earlier years; this is likewise indicated by a note.

3.1. Population, Population Growth, Sector of Population 6-17, Presence of the Roman Catholic church, Presence of Catholic Schools, Presence of the Brothers, Types of Schools of the Brothers.

Table 1 lists data for the above parameters; it has been compiled from the ADB pertinent reports and from other sources with regard to the qualitative dimensions such as presence or absence of Catholic schools and the Institute documents on the types of schools run by the Brothers where these schools are found in some countries.

**TABLE 1 – Population, population growth, sector of population 6-17, presence of the Roman Catholic Church, Presence of Catholic Schools, presence of the Brothers, types of schools of the Brothers.**

| Country                  | Population 2002 | Population Growth Rate | Per Capita GNP Year 2002US\$ | Schools Age Population 6-17% | Christian Presence (recognized) | Presence of Catholic Schools % | Presence of FSC Institutions | FSC Type of Work               |
|--------------------------|-----------------|------------------------|------------------------------|------------------------------|---------------------------------|--------------------------------|------------------------------|--------------------------------|
| Afghanistan              | 21.8m           | 1.9%                   | (PIB) 186                    | 29.5                         |                                 |                                |                              |                                |
| Azerbaijan               | 8.170m          | 0.7%                   | (PIB) 745                    | 26.8                         |                                 |                                |                              |                                |
| Bangladesh               | 131.20m         | 1.5%                   | 376                          | 29.2                         | ✓                               | ✓                              |                              |                                |
| Bhutan                   | .716m           | 2.4%                   | 735                          | 30.9                         |                                 |                                |                              |                                |
| Cambodia                 | 13.5m           | 2.6%                   | (PIB) 297                    | 33.4                         | ✓                               |                                | ✓ anter.                     | Secondary                      |
| China, People's Republic | 1284.5m         | .6%                    | 960                          | 20.6                         |                                 |                                |                              |                                |
| China, Hong Kong         | 6.79m           | 1%                     | 24.528                       | 14.6                         | ✓                               | ✓                              | ✓                            | Primary and secondary schools  |
| Cook Islands             | .018m           | 1.1%                   | (PIB,2001) 4.723             |                              | ✓                               | ✓                              |                              |                                |
| Fiji Islands             | .819m           | .7%                    | (PIB) 2.286                  | 25.7                         | ✓                               | ✓                              |                              |                                |
| India                    | 1055m           | 2.1%                   | (2001) 455                   | 26.0                         | ✓                               | ✓                              | ✓                            | High school - City of the Boys |
| Indonesia                | 211.06m         | 1.2%                   | 780                          | 24.7                         | ✓                               | ✓                              | ✓                            | University (Manado)            |
| Kazakhstan               | 14.85m          | .0%                    | 1582                         | 24.2                         |                                 |                                |                              |                                |
| Kiribati                 | .0874m          | 1.7%                   | 1.108                        | without data                 | ✓                               | ✓                              |                              |                                |

| Country                        | Population 2002 | Population Growth Rate | Per Capita GNP/Year 2002US\$ | Schools Age Population 6-17% | Christian Presence (recognized) | Presence of Catholic Schools % | Presence of FSC Institutions | FSC Type of Work   |
|--------------------------------|-----------------|------------------------|------------------------------|------------------------------|---------------------------------|--------------------------------|------------------------------|--|
| Korea, Republic                | 47.6m           | 0.6%                   | 10,075                       | 17.6                         | ✓                               | ✓                              |                              |  |
| Kyrgyz Republic                | 4.98m           | 0.8%                   | (PIB) 321                    | 27.5                         |                                 |                                |                              |  |
| Lao, PDR                       | 5.53m           | 2.8%                   | (PIB) 331                    | 30.5                         |                                 |                                |                              |  |
| Malaysia                       | 24.53m          | 2.1%                   | 3,609                        | 25.4                         | ✓                               | ✓                              | ✓                            | University student (special) - Primary and Secondary   |
| Maldives                       | .281m           | 1.6%                   | (PIB) 2,279                  | 31.6                         | ✓                               | ✓                              |                              |  |
| Marshall Islands               | .0566m          | 3.8%                   | 1867                         | without data                 | ✓                               | ✓                              |                              |  |
| Micronesia Federated States of | .0107m          | 0.2%                   | (PIB) 2158                   | 30.8                         | ✓                               | ✓                              |                              |  |
| Mongolia                       | 2.47m           | 2.1%                   | 473                          | 29.2                         | ✓                               |                                |                              |  |
| Myanmar                        | 52.17m          | 2.0%                   | (2000) 970                   | 25.6                         | ✓                               |                                | ✓ anter.                     | Elementary and secondary schools; now centers  |
| Nepal                          | 23.67m          | 2.0%                   | 240                          | 29.2                         |                                 |                                |                              |  |
| Pakistan                       | 143.71m         | 2.2%                   | 440                          | 30.1                         | ✓                               | ✓                              | ✓                            | Catechist center - High schools  |
| Papua New Guinea               | 5.52m           | 3.2%                   | (PIB) 2,500                  | 29.3                         | ✓                               | ✓                              | ✓                            | High schools - Teachers' preparation   |
| Philippines                    | 81.8m           | 2.1%                   | 1033                         | 28.5                         | ✓                               | ✓                              | ✓                            | Universities - basic, Secondary - Primary schools - Reformatories - Agricultural schools - Professional schools - Night schools - Permanent formation and special programs |
| Samoa                          | .178m           | .5%                    | (PIB) 1566                   | 30.6                         | ✓                               | ✓                              |                              |  |
| Singapore                      | 4.16m           | .8%                    | 20505                        | 17.1                         | ✓                               | ✓                              | ✓                            | Primary and secondary school - First university courses - School of fine arts  |
| Solomon Islands                | .490m           | 2.9%                   | (1900) 648                   | 30.9                         | ✓                               | ✓                              |                              |  |
| Sri Lanka                      | 19m             | 1.5%                   | 855                          | 22.0                         | ✓                               | ✓                              | ✓                            | Primary and secondary school - Center of formation and Spirituality  |



|               |        |      |                  |              |   |   |   |   |
|---------------|--------|------|------------------|--------------|---|---|---|---|
| Taipei, China | 22.52m | .5%  | 12.742           | without data | ✓ | ✓ |   |   |
| Tajikistan    | 6.44m  | 2.1% | (PIB) 185        | 31.0         |   |   |   |   |
| Thailand      | 63.43m | .8%  | 1958             | 21.6         | ✓ | ✓ | ✓ | Primary and secondary school            |
| Timor-Leste   | .763m  | 1.8% | 515              | 37.5         | ✓ | ✓ | ✓ |   |
| Tonga         | .101m  | .3%  | 1335             | 28.7         | ✓ | ✓ | ✓ |   |
| Turkmenistan  | 5.788m | 5.2% | (PIB) 1.424      | 29.5         |   |   |   |   |
| Tuvalu        | 10.88t | 2.0% | (PIB 1998) 1.371 | without data | ✓ | ✓ | ✓ |   |
| Uzbekistan    | 25.37m | 1.2% | (1999) 382       | 29.5         | ✓ |   |   |   |
| Vanuatu       | 202.2t | 2.7% | 1035             | 31.0         | ✓ | ✓ | ✓ |   |
| Vietnam       | 79.73m | 1.3% | (2001) 430       | 27.7         | ✓ | ✓ | ✓ | Non official education, special centers |

It should be noted from the table above that the populations of each country range from small populations of 100,000 (some even less) and above to huge countries such as India and China which are almost or already in the billion category. The population growth rate each year will indicate the continuing need for more educational facilities or a stable situation where more schools will not be needed in the case of countries with nearly a 0% population growth; none of them however have reached the stage of some European countries which now have a negative population growth rate.

More telling from the point of view of education is the portion of the population which is of school age 6-17 (primary and secondary) which will also give an indication of the need for more schools or institutions of learning at present.

The presence of the Roman Catholic Church is almost universal in the region except for highly Islamized countries where Christians are not welcome or constitute an insignificant minority. Hardline Communist regimes like North Korea do not have many Catholics, either. With hardly any Roman Catholic presence, there will not be any Catholic schools. Given the much reduced number of Brothers since Vatican II, the presence of the Brothers obtains in only some countries and as in Malaysia, a diminishing number of schools. In countries such as Vietnam, no Catholic schools are allowed (except for some special schools of language, computers, and schools for the handicapped) and in spite of a significant group of Brothers, none are teaching in Catholic Schools. In countries where the Brothers can flourish, new types of schools have emerged going beyond purely academic schools which are university preparatory. Vietnam has a center for the handicapped in Saigon, Japan has an orphanage in Sendai, India and Sri Lanka have each a boys' town, Pakistan has a Brother working in a village for Hansenites. Post-secondary catechetical training and formation centers are found in Pakistan and Sri Lanka. There is a Pacific Asia Regional Conference (PARC) sponsored university established in cooperation with the Diocese of Manado in Indonesia. The Philippines with only 52 Brothers but many Lasallian associates has the most varied types of institutions and programs: academic secondary schools, basic elementary schools, universities, a correctional school (reform school), an orphanage, adult night high schools, a street-children center, a

catechetical center for government elementary schools, a school for Mangyans (a non-Christian mountain tribe), a system of supervised elementary and secondary schools, an agricultural and technical university, and a special program for the deaf in one of the tertiary institutions.

## 2.2. Out-of-School Youth

Table 2, which lists only some developing countries, gives an indication of the population 25 years above and shows the level of school completion and indirectly the size of out-of-school youth who never finished schooling. It also indicates how few complete university studies in these countries. More telling is the number of those who did not finish primary or secondary schooling (the latter often revert to illiteracy) and dramatizes the need of some form of continuing education for out-of-school youth in a nonformal setting. The numbers likewise indicate the need for dedicated educators in this area to serve the economically poor and disadvantaged in this age bracket.

**TABLE 2A – Percentage of population (25 and older) by highest level of completed education, 1965, 1990/1995.**

|                             | Less Than Primary |      | Completed Primary |      | Completed Secondary |      | Completed Tertiary |      |
|-----------------------------|-------------------|------|-------------------|------|---------------------|------|--------------------|------|
|                             | 1965              | 1990 | 1965              | 1990 | 1965                | 1990 | 1965               | 1990 |
| Afghanistan                 | 90                | 86   | 4                 | 9    | 3                   | 3    | 3                  | 2    |
| Bangladesh                  | 82                | 39   | 9                 | 26   | 6                   | 25   | 3                  | 11   |
| China, People's Republic of | ...               | 30   | ...               | 34   | ...                 | 34   | 1                  | 2    |
| Fiji Islands                | 0                 | 0    | 84                | 49   | 11                  | 35   | 5                  | 16   |
| Hong Kong, China            | 37                | 14   | 40                | 30   | 18                  | 43   | 5                  | 16   |
| India                       | 76                | 62   | 21                | 20   | 3                   | 14   | 0                  | 5    |
| Indonesia                   | 73                | 32   | 25                | 54   | 2                   | 12   | 0                  | 4    |
| Korea, Republic of          | 43                | 5    | 35                | 22   | 18                  | 54   | 4                  | 19   |
| Malaysia                    | 52                | 25   | 39                | 45   | 8                   | 27   | 1                  | 4    |
| Myanmar                     | 80                | 52   | 11                | 32   | 8                   | 14   | 1                  | 3    |
| Pakistan                    | 84                | 74   | 12                | 10   | 4                   | 14   | 0                  | 3    |
| Papua New Guinea            | 80                | 69   | 15                | 24   | 5                   | 6    | 0                  | 1    |
| Philippines                 | 30                | 11   | 52                | 54   | 10                  | 15   | 8                  | 23   |
| Singapore                   | 51                | 29   | 26                | 35   | 22                  | 31   | 1                  | 7    |
| Sri Lanka                   | 32                | 16   | 48                | 46   | 20                  | 36   | 0                  | 2    |
| Thailand                    | 44                | 22   | 50                | 65   | 5                   | 5    | 1                  | 10   |

**TABLE 2B – Private enrollment as percent of total. Primary school enrollment, various years**

|                    | 1980 | 1990 | 1996 | 1999 |
|--------------------|------|------|------|------|
| Bangladesh         | 15   | 15   | ...  | ...  |
| Indonesia          | 21   | 17   | 17   | ...  |
| Korea, Republic of | 1    | 1    | 2    | 2    |
| Malaysia           | ...  | 0    | 1    | 6    |
| Philippines        | 5    | 7    | 7    | ...  |
| Singapore          | 26   | 24   | 27   | ...  |
| Sri Lanka          | ...  | 1    | 2    | ...  |
| Thailand           | 8    | 10   | 13   | 13   |

**TABLE 2C – Classifying primary school systems, selected developing member countries**

| Primary School Quality | Primary school Enrollment |  |   |
|------------------------|---------------------------|--|---|
|                        | Low Coverage              | High Coverage, Neouniversal Completion         | Near Universal Completion   |
| Low Quality            | Afghanistan, Pakistan     | India, Lao PDR, Nepal, Papua New Guinea, Samoa |   |
| ↓                      |                           |  | China (People's Rep.)<br>Indonesia, Kazakhstan<br>Philippines, Sri Lanka,<br>Thailand, Viet Nam |
|                        | High Quality              |  | Hong Kong, China,<br>Malaysia, Rep. Korea,<br>Singapore, Taipei                                 |

Source: Author's estimates.

**TABLE 2D – Preprimary education in developing member countries**

|                            | Entrance Age | Duration (Years) | Gross Enrollment Ratio (%) |       |        | Pupils per Teacher Ratio | School Year | Private Enrollment as % of Total (1999) |
|----------------------------|--------------|------------------|----------------------------|-------|--------|--------------------------|-------------|---|
|                            |              |                  | Total                      | Male  | Female |                          |             |   |
| <b>East Asia</b>           |              |                  |                            |       |        |                          |             |   |
| China, People's Rep. of    | 3            | 3                | 39.5                       | 40.4  | 38.5   | 26.7                     | (1999)      | 0.0                                     |
| Hong Kong, China           | ...          | ...              | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Korea, Rep. of             | 5            | 1                | 79.8                       | 79.8  | 79.7   | 23.0                     | (2000)      | 75.4                                    |
| Mongolia                   | 3            | 5                | 28.7                       | 27.2  | 30.2   | 25.7                     | (2000)      | 3.7                                     |
| Taipei, China              | ...          | ...              | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| <b>Southeast Asia</b>      |              |                  |                            |       |        |                          |             |   |
| Cambodia                   | 3            | 3                | 6.6                        | 6.3   | 6.8    | 23.9                     | (2000)      | 22.5                                    |
| Indonesia                  | 5            | 2                | 18.8                       | 18.5  | 19.2   | 15.9                     | (2000)      | 99.0                                    |
| Lao People's Dem. Rep.     | 3            | 3                | 7.8                        | 7.5   | 8.2    | 16.4                     | (2000)      | 16.6                                    |
| Malaysia                   | 4            | 2                | 51.8                       | 50.9  | 52.8   | 25.5                     | (1999)      | 48.7                                    |
| Myanmar                    | 3            | 2                | 1.9                        | 1.9   | 1.9    | 21.6                     | (2000)      | ...                                     |
| Philippines                | 5            | 1                | 30.7                       | 30.0  | 31.5   | 32.9                     | (1998)      | 58.2                                    |
| Singapore                  | 3            | 3                | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Thailand                   | 3            | 3                | 83.3                       | 84.1  | 82.4   | 24.8                     | (2000)      | 18.7                                    |
| Viet Nam                   | 3            | 3                | 43.2                       | 44.9  | 41.4   | 22.1                     | (2000)      | 51.1                                    |
| <b>South Asia</b>          |              |                  |                            |       |        |                          |             |   |
| Afghanistan                | ...          | ...              | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Bangladesh                 | 3            | 3                | 24.6                       | 23.2  | 26.1   | 39.0                     | (2000)      | ...                                     |
| Bhutan                     | 4            | 2                | ...                        | ...   | ...    | 22.4                     | (2000)      | 100.0                                   |
| India                      | 3            | 3                | 19.7                       | 19.8  | 19.6   | 35.4                     | (1998)      | ...                                     |
| Maldives                   | 3            | 3                | 49.9                       | 49.3  | 50.5   | 31.4                     | (2000)      | ...                                     |
| Nepal                      | 3            | 3                | 12.7                       | 14.1  | 11.2   | 21.9                     | (2000)      | ...                                     |
| Pakistan                   | 3            | 2                | 55.0                       | 63.1  | 46.5   | ...                      | (2000)      | 35.3                                    |
| Sri Lanka                  | 4            | 1                | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| <b>Central Asia</b>        |              |                  |                            |       |        |                          |             |   |
| Azerbaijan                 | 3            | 3                | 23.0                       | 22.6  | 23.5   | 10.0                     | (1999)      | ...                                     |
| Kazakhstan                 | 3            | 4                | 12.9                       | 13.1  | 12.7   | 6.5                      | (2000)      | 13.0                                    |
| Kyrgyz Republic            | 3            | 3                | 14.2                       | 14.5  | 14.0   | 12.6                     | (2000)      | 1.0                                     |
| Tajikistan                 | 3            | 4                | 8.7                        | 9.4   | 7.9    | 10.0                     | (2000)      | ...                                     |
| Turkmenistan               | 3            | 4                | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Uzbekistan                 | 3            | 3                | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| <b>Pacific DMCs</b>        |              |                  |                            |       |        |                          |             |   |
| Cook Islands               | 4            | 1                | 85.9                       | 86.4  | 85.4   | 13.6                     | (2000)      | 24.6                                    |
| Fiji Islands               | 3            | 3                | 15.4                       | 15.2  | 15.5   | ...                      | (1998)      | ...                                     |
| Kiribati                   | 3            | 3                | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Marshall Islands           | 5            | 1                | ...                        | ...   | ...    | 11.3                     | (1998)      | ...                                     |
| Micronesia, Fed. States of | 3            | 3                | 46.0                       | 43.4  | 48.9   | 23.4                     | (2000)      | ...                                     |
| Nauru                      | 5            | 1                | 140.9                      | 143.9 | 137.9  | ...                      | (1998)      | ...                                     |
| Papua New Guinea           | 5            | 2                | 18.3                       | 18.9  | 17.7   | 34.4                     | (1999)      | ...                                     |
| Samoa                      | 3            | 2                | 35.9                       | 34.3  | 37.5   | 22.0                     | (2000)      | 100.0                                   |
| Solomon Islands            | 5            | 1                | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Timor-Leste                | ...          | ...              | ...                        | ...   | ...    | ...                      | ...         | ...                                     |
| Tonga                      | 3            | 2                | 30.6                       | 26.8  | 34.9   | 18.2                     | (2000)      | 100.0                                   |
| Tovalu                     | 3            | 3                | 79.5                       | 71.2  | 89.2   | ...                      | (1998)      | ...                                     |
| Vanuatu                    | 4            | 2                | 73.2                       | 70.0  | 76.6   | 17.4                     | (2000)      | 100.0                                   |

**TABLE 2E – Primary education in developing member countries**

|                            | Entrance Age | Duration (Years) | Gross Enrollment Ratio (%) |       |        | Pupils per Teacher Ratio |
|----------------------------|--------------|------------------|----------------------------|-------|--------|--------------------------|
|                            |              |                  | Total                      | Male  | Female |                          |
| <b>East Asia</b>           |              |                  |                            |       |        |                          |
| China, People's Rep. of    | 6            | 6                | 106.4                      | 105.2 | 107.8  | 19.8                     |
| Hong Kong, China           | ...          | ...              | 100.0                      | 100.0 | 100.0  | ...                      |
| Korea, Rep. of             | 6            | 6                | 101.1                      | 100.7 | 101.5  | 32.1                     |
| Mongolia                   | 8            | 4                | 98.8                       | 97.0  | 100.6  | 32.3                     |
| Taipei, China              | ...          | ...              | 100.5                      | 100.0 | 101.0  | ...                      |
| <b>Southeast Asia</b>      |              |                  |                            |       |        |                          |
| Cambodia                   | 6            | 6                | 110.1                      | 116.8 | 103.3  | 52.9                     |
| Indonesia                  | 7            | 6                | 110.0                      | 111.2 | 108.8  | 22.2                     |
| Lao People's Dem. Rep.     | 6            | 5                | 113.1                      | 121.5 | 104.4  | 29.9                     |
| Malaysia                   | 6            | 6                | 98.7                       | 98.6  | 98.9   | 18.2                     |
| Myanmar                    | 5            | 5                | 89.0                       | 89.3  | 88.7   | 32.3                     |
| Philippines                | 6            | 6                | 112.6                      | 112.7 | 112.5  | 35.2                     |
| Singapore                  | 6            | 6                | 97.5                       | 98.0  | 97.0   | ...                      |
| Thailand                   | 6            | 6                | 94.8                       | 96.9  | 92.7   | 20.8                     |
| Viet Nam                   | 6            | 5                | 105.6                      | 109.0 | 102.2  | 28.0                     |
| <b>South Asia</b>          |              |                  |                            |       |        |                          |
| Afghanistan                | 7            | 6                | 14.8                       | 28.7  | 0.0    | 42.7                     |
| Bangladesh                 | 6            | 5                | 100.2                      | 99.7  | 100.9  | 57.1                     |
| Bhutan                     | 6            | 7                | ...                        | 23.0  | 19.0   | 41.1                     |
| India                      | 6            | 6                | 101.6                      | 110.8 | 91.7   | 40.0                     |
| Maldives                   | 6            | 7                | 131.1                      | 131.1 | 131.2  | 22.7                     |
| Nepal                      | 6            | 5                | 118.2                      | 127.7 | 108.0  | 37.0                     |
| Pakistan                   | 5            | 5                | 74.4                       | 93.3  | 54.4   | 44.1                     |
| Sri Lanka                  | 5            | 5                | 105.9                      | 107.4 | 104.4  | ...                      |
| <b>Central Asia</b>        |              |                  |                            |       |        |                          |
| Azerbaijan                 | 6            | 4                | 98.3                       | 97.4  | 99.2   | 18.6                     |
| Kazakhstan                 | 7            | 4                | 98.8                       | 99.3  | 98.2   | 18.7                     |
| Kyrgyz Republic            | 6            | 4                | 101.4                      | 103.2 | 99.5   | 24.5                     |
| Tajikistan                 | 7            | 4                | 104.3                      | 108.3 | 100.2  | 21.8                     |
| Turkmenistan               | 7            | 4                | 109.0                      | 109.0 | 109.0  | ...                      |
| Uzbekistan                 | 6            | 4                | 85.5                       | 86.0  | 85.0   | ...                      |
| <b>Pacific DMCs</b>        |              |                  |                            |       |        |                          |
| Cook Islands               | 5            | 6                | 96.0                       | 98.4  | 93.4   | 18.0                     |
| Fiji Islands               | 6            | 6                | 110.4                      | 110.8 | 110.0  | 23.0                     |
| Kiribati                   | 6            | 6                | 127.9                      | 126.7 | 129.1  | 24.4                     |
| Marshall Islands           | 6            | 6                | ...                        | 78.0  | 79.0   | 14.9                     |
| Micronesia, Fed. States of | 6            | 6                | 142.2                      | 136.1 | 148.8  | 23.4                     |
| Nauru                      | 6            | 6                | 81.0                       | 79.6  | 82.5   | 22.5                     |
| Papua New Guinea           | 7            | 6                | 83.8                       | 87.5  | 79.7   | 36.0                     |
| Samoa                      | 5            | 6                | 102.9                      | 104.6 | 101.1  | 24.0                     |
| Solomon Islands            | 6            | 6                | ...                        | ...   | ...    | ...                      |
| Timor-Leste                | ...          | ...              | ...                        | ...   | ...    | ...                      |
| Tonga                      | 5            | 6                | 112.7                      | 113.5 | 111.8  | 20.9                     |
| Tovau                      | 6            | 6                | 103.6                      | 105.8 | 101.1  | ...                      |
| Vanuatu                    | 6            | 6                | 117.0                      | 113.0 | 121.3  | 23.5                     |

|                            | School Year | Survival to Grade 5 (%) |      |        | Repetition Rate (%) | Private Enrollment as % of Total (1999) |
|----------------------------|-------------|-------------------------|------|--------|---------------------|---|
|                            |             | Total                   | Male | Female |                     |   |
| <b>East Asia</b>           |             |                         |      |        |                     |   |
| China, People's Rep. of    | (1999)      | 97.3                    | 97.1 | 97.6   | 0.6                 | 0.0                                     |
| Hong Kong, China           | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Korea, Rep. of             | (2000)      | ...                     | ...  | ...    | ...                 | 1.5                                     |
| Mongolia                   | (2000)      | ...                     | ...  | ...    | 0.8                 | 0.9                                     |
| Taipei, China              | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| <b>Southeast Asia</b>      |             |                         |      |        |                     |   |
| Cambodia                   | (2000)      | ...                     | ...  | ...    | ...                 | 1.6                                     |
| Indonesia                  | (2000)      | 90.5                    | 87.6 | 93.6   | 5.9                 | 17.6                                    |
| Lao People's Dem. Rep.     | (2000)      | 54.2                    | 54.8 | 53.5   | ...                 | 2.0                                     |
| Malaysia                   | (2000)      | ...                     | ...  | ...    | ...                 | 5.7                                     |
| Myanmar                    | (2000)      | 68.6                    | 76.0 | 62.2   | 0.5                 | ...                                     |
| Philippines                | (2000)      | ...                     | ...  | ...    | 1.9                 | 6.7                                     |
| Singapore                  | (1998)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Thailand                   | (2000)      | 97.1                    | 95.6 | 98.8   | 3.5                 | 13.1                                    |
| Viet Nam                   | (2000)      | 82.8                    | ...  | ...    | 3.3                 | 0.3                                     |
| <b>South Asia</b>          |             |                         |      |        |                     |   |
| Afghanistan                | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Bangladesh                 | (2000)      | ...                     | ...  | ...    | 6.5                 | 15.2                                    |
| Bhutan                     | (1999)      | 87.5                    | 86.3 | 88.8   | 12.1                | 1.7                                     |
| India                      | (1999)      | 89.7                    | 62.0 | 56.7   | 3.9                 | 17.9                                    |
| Maldives                   | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Nepal                      | (2000)      | ...                     | ...  | ...    | ...                 | 12.3                                    |
| Pakistan                   | (2000)      | ...                     | ...  | ...    | ...                 | 34.8                                    |
| Sri Lanka                  | (1998)      | ...                     | ...  | ...    | 5.1                 | 1.5                                     |
| <b>Central Asia</b>        |             |                         |      |        |                     |   |
| Azerbaijan                 | (2000)      | ...                     | ...  | ...    | 0.5                 | ...                                     |
| Kazakhstan                 | (2000)      | ...                     | ...  | ...    | ...                 | 0.5                                     |
| Kyrgyz Republic            | (2000)      | ...                     | ...  | ...    | 0.3                 | 2.0                                     |
| Tajikistan                 | (2000)      | ...                     | ...  | ...    | 0.3                 | ...                                     |
| Turkmenistan               | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Uzbekistan                 | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| <b>Pacific DMCs</b>        |             |                         |      |        |                     |   |
| Cook Islands               | (2000)      | 51.5                    | ...  | ...    | 2.6                 | 15.0                                    |
| Fiji Islands               | (1998)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Kiribati                   | (1999)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Marshall Islands           | (1998)      | ...                     | ...  | ...    | 6.3                 | ...                                     |
| Micronesia, Fed. States of | (2000)      | ...                     | ...  | ...    | ...                 | ...                                     |
| Nauru                      | (1998)      | ...                     | ...  | ...    | 0.7                 | ...                                     |
| Papua New Guinea           | (1999)      | ...                     | ...  | ...    | 5.1                 | 2.4                                     |
| Samoa                      | (2000)      | 82.6                    | ...  | ...    | 1.0                 | 15.8                                    |
| Solomon Islands            | ...         | ...                     | ...  | ...    | ...                 | 11.7                                    |
| Timor-Leste                | ...         | ...                     | ...  | ...    | ...                 | ...                                     |
| Tonga                      | (2000)      | ...                     | ...  | ...    | 8.8                 | 7.1                                     |
| Tovalu                     | (1998)      | ...                     | ...  | ...    | 6.5                 | ...                                     |
| Vanuatu                    | (2000)      | ...                     | ...  | ...    | 9.9                 | 3.8                                     |



**TABLE 2F – Secondary education in developing member countries**

|                            | Entrance Age |       | Duration (Years) |       | Pupils per Teacher Ratio |
|----------------------------|--------------|-------|------------------|-------|--------------------------|
|                            | Lower        | Upper | Lower            | Upper |                          |
| <b>East Asia</b>           |              |       |                  |       |                          |
| China, People's Rep. of    | 12           | 15    | 3                | 3     | 17.1                     |
| Hong Kong, China           | ...          | ...   | ...              | ...   | ...                      |
| Korea, Rep. of             | 12           | 15    | 3                | 3     | 21.0                     |
| Mongolia                   | 12           | 16    | 4                | 2     | 21.1                     |
| Taipei, China              | ...          | ...   | ...              | ...   | ...                      |
| <b>Southeast Asia</b>      |              |       |                  |       |                          |
| Cambodia                   | 12           | 15    | 3                | 3     | 19.6                     |
| Indonesia                  | 13           | 16    | 3                | 3     | 14.3                     |
| Lao People's Dem. Rep.     | 11           | 14    | 3                | 3     | 22.7                     |
| Malaysia                   | 12           | 15    | 3                | 4     | 19.4                     |
| Myanmar                    | 10           | 14    | 4                | 2     | 30.8                     |
| Philippines                | 12           | 15    | 3                | 1     | 36.4                     |
| Singapore                  | 12           | 16    | 4                | 3     | ...                      |
| Thailand                   | 12           | 15    | 3                | 3     | 22.3                     |
| Viet Nam                   | 11           | 15    | 4                | 3     | 26.9                     |
| <b>South Asia</b>          |              |       |                  |       |                          |
| Afghanistan                | 13           | 16    | 3                | 3     | ...                      |
| Bangladesh                 | 11           | 16    | 5                | 2     | 38.4                     |
| Bhutan                     | 13           | 15    | 2                | 2     | 32.6                     |
| India                      | 12           | 15    | 3                | 3     | 33.6                     |
| Maldives                   | 13           | 16    | 3                | 2     | 15.3                     |
| Nepal                      | 11           | 14    | 3                | 2     | 29.6                     |
| Pakistan                   | 10           | 15    | 5                | 2     | 21.0                     |
| Sri Lanka                  | 10           | 15    | 5                | 3     | ...                      |
| <b>Central Asia</b>        |              |       |                  |       |                          |
| Azerbaijan                 | 10           | 15    | 5                | 2     | 8.0                      |
| Kazakhstan                 | 11           | 16    | 5                | 2     | 11.9                     |
| Kyrgyz Republic            | 10           | 15    | 5                | 2     | 13.7                     |
| Tajikistan                 | 11           | 16    | 5                | 2     | 15.5                     |
| Turkmenistan               | 11           | 16    | 5                | 2     | ...                      |
| Uzbekistan                 | 10           | 15    | 5                | 2     | ...                      |
| <b>Pacific DMCs</b>        |              |       |                  |       |                          |
| Cook Islands               | 11           | 15    | 4                | 4     | ...                      |
| Fiji Islands               | 12           | 16    | 4                | 3     | ...                      |
| Kiribati                   | 12           | 15    | 3                | 2     | ...                      |
| Marshall Islands           | 12           | 14    | 2                | 4     | 21.6                     |
| Micronesia, Fed. States of | 12           | 14    | 2                | 4     | 29.6                     |
| Nauru                      | 12           | 16    | 4                | 2     | ...                      |
| Papua New Guinea           | 13           | 17    | 4                | 2     | 22.2                     |
| Samoa                      | 11           | 13    | 2                | 5     | 19.9                     |
| Solomon Islands            | 12           | 15    | 3                | 4     | ...                      |
| Timor-Leste                | ...          | ...   | ...              | ...   | ...                      |
| Tonga                      | 11           | 15    | 4                | 2     | 9.7                      |
| Tovau                      | 12           | 16    | 4                | 2     | ...                      |
| Vanuatu                    | 12           | 16    | 4                | 4     | 26.3                     |

|                            | Gross Enrollment Ratio (%) |       |        | School Year | Private Enrollment as % of total (1999) |
|----------------------------|----------------------------|-------|--------|-------------|---|
|                            | Total                      | Male  | Female |             |   |
| <b>East Asia</b>           |                            |       |        |             |   |
| China, People's Rep. of    | 62.8                       | 65.9  | 59.5   | (1999)      | 0.0                                     |
| Hong Kong, China           | ...                        | 75.0  | 79.0   | (2000)      | ...                                     |
| Korea, Rep. of             | 94.1                       | 94.1  | 94.1   | (2000)      | 45.2                                    |
| Mongolia                   | 61.1                       | 55.2  | 67.2   | (2000)      | 0.2                                     |
| Taipei, China              | ...                        | 98.1  | 100.5  | (2000)      | ...                                     |
| <b>Southeast Asia</b>      |                            |       |        |             |   |
| Cambodia                   | 18.7                       | 23.8  | 13.5   | (2000)      | 0.6                                     |
| Indonesia                  | 57.0                       | 57.6  | 56.4   | (2000)      | 49.2                                    |
| Lao People's Dem. Rep.     | 37.6                       | 43.6  | 31.3   | (2000)      | 0.9                                     |
| Malaysia                   | 70.3                       | 66.9  | 74.0   | (2000)      | ...                                     |
| Myanmar                    | 38.6                       | 39.6  | 37.5   | (2000)      | ...                                     |
| Philippines                | 77.3                       | 73.8  | 80.9   | (2000)      | 36.4                                    |
| Singapore                  | ...                        | 75.7  | 74.7   | (1996)      | ...                                     |
| Thailand                   | 81.9                       | 84.0  | 79.9   | (2000)      | 16.2                                    |
| Viet Nam                   | 67.1                       | 70.1  | 64.0   | (2000)      | 11.3                                    |
| <b>South Asia</b>          |                            |       |        |             |   |
| Afghanistan                | ...                        | 32.1  | 11.6   | (1996)      | ...                                     |
| Bangladesh                 | 45.7                       | 44.6  | 46.9   | (2000)      | ...                                     |
| Bhutan                     | ...                        | 11.0  | 9.0    | (1999)      | 0.4                                     |
| India                      | 48.7                       | 56.7  | 40.1   | (1999)      | ...                                     |
| Maldives                   | 55.3                       | 53.4  | 57.2   | (2000)      | ...                                     |
| Nepal                      | 50.6                       | 57.5  | 43.2   | (2000)      | 26.3                                    |
| Pakistan                   | 24.1                       | 28.7  | 19.3   | (2000)      | 22.4                                    |
| Sri Lanka                  | 72.1                       | 69.8  | 74.5   | (1998)      | 2.5                                     |
| <b>Central Asia</b>        |                            |       |        |             |   |
| Azerbaijan                 | 80.2                       | 80.0  | 80.3   | (1999)      | ...                                     |
| Kazakhstan                 | 88.5                       | 89.8  | 87.1   | (2000)      | 0.6                                     |
| Kyrgyz Republic            | 85.6                       | 85.5  | 85.8   | (2000)      | 2.0                                     |
| Tajikistan                 | 78.5                       | 85.7  | 71.2   | (2000)      | ...                                     |
| Turkmenistan               | ...                        | 112.3 | 111.7  | (1996)      | ...                                     |
| Uzbekistan                 | ...                        | 99.6  | 88.7   | (1996)      | ...                                     |
| <b>Pacific DMCs</b>        |                            |       |        |             |   |
| Cook Islands               | 60.2                       | 58.0  | 62.5   | (2000)      | 12.6                                    |
| Fiji Islands               | 36.0                       | 37.0  | 35.0   | (1998)      | ...                                     |
| Kiribati                   | ...                        | 42.0  | 47.0   | (1998)      | ...                                     |
| Marshall Islands           | ...                        | 47.0  | 51.0   | (1998)      | ...                                     |
| Micronesia, Fed. States of | 132.2                      | 127.4 | 137.2  | (2000)      | ...                                     |
| Nauru                      | 53.9                       | 52.3  | 55.6   | (1998)      | ...                                     |
| Papua New Guinea           | 21.1                       | 23.7  | 18.2   | (1999)      | ...                                     |
| Samoa                      | 75.5                       | 72.6  | 78.7   | (2000)      | 31.9                                    |
| Solomon Islands            | ...                        | 30.0  | 18.0   | (1998)      | ...                                     |
| Timor-Leste                | ...                        | ...   | ...    | ...         | ...                                     |
| Tonga                      | 99.6                       | 96.6  | 102.9  | (2000)      | 74.5                                    |
| Tuvalu                     | 78.3                       | 83.1  | 73.1   | (1998)      | ...                                     |
| Vanuatu                    | 28.3                       | 30.7  | 25.7   | (2000)      | 25.8                                    |

**TABLE 2G – Private enrollment as percent of total, secondary school enrollment, selected DMCs, various years**

|                    | <b>1980</b> | <b>1990</b> | <b>1996</b> |
|--------------------|-------------|-------------|-------------|
| Bangladesh         | 95          | 90          | ...         |
| Indonesia          | 49          | 50          | 42          |
| Korea, Republic of | 46          | 41          | 38          |
| Malaysia           | ...         | 4           | 3           |
| Philippines        | 48          | 36          | 29          |
| Singapore          | 28          | 27          | 33          |
| Sri Lanka          | ...         | 2           | 2           |
| Thailand           | 13          | 10          | 6           |

**TABLE 2H – Tertiary education in developing member countries**

|                            | Gross Enrollment Ratio |       |        | School Year | Science and Engineering Students as % Total Tertiary Students | School Year |
|----------------------------|------------------------|-------|--------|-------------|---|-------------|
|                            | %                      |       |        |             |   |             |
|                            | Total                  | Male  | Female |             |   |             |
| <b>East Asia</b>           |                        |       |        |             |   |             |
| China, People's Rep. of    | 7.5                    | ...   | ...    | (1999)      | ...   |             |
| Hong Kong, China           | ...                    | 29.0  | 26.0   | (1997)      | ...   |             |
| Korea, Rep. of             | 77.6                   | 97.0  | 57.0   | (2000)      | <b>32.1</b>   | (1997)      |
| Mongolia                   | 33.3                   | 24.3  | 42.3   | (2000)      | <b>24.0</b>   | (1997)      |
| Taipei, China              | ...                    | ...   | ...    | ...         | ...   | ...         |
| <b>Southeast Asia</b>      |                        |       |        |             |   |             |
| Cambodia                   | 2.8                    | 4.1   | 1.6    | (2000)      | <b>13.2</b>   | (1997)      |
| Indonesia                  | 14.63                  | 16.4  | 12.7   | (2000)      | <b>39.2</b>   | (1996)      |
| Lao People's Dem. Rep.     | .3                     | 4.2   | 2.5    | (2000)      | ...   |             |
| Malaysia                   | 28.2                   | 27.1  | 29.3   | (2000)      | ...   |             |
| Myanmar                    | 11.5                   | 8.4   | 14.7   | (2000)      | <b>55.7</b>   | (1995)      |
| Philippines                | 31.2                   | 29.47 | 32.7   | (2000)      | <b>13.7</b>   | (1996)      |
| Singapore                  | ...                    | 47.0  | 40.0   | (1997)      | ...   |             |
| Thailand                   | 35.3                   | 38.9  | 31.7   | (2000)      | <b>18.0</b>   | (1996)      |
| Viet Nam                   | 9.7                    | 11.2  | 8.2    | (2000)      | ...   |             |
| <b>South Asia</b>          |                        |       |        |             |   |             |
| Afghanistan                | ...                    | 3.0   | 1.0    | (1997)      | ...   |             |
| Bangladesh                 | 6.6                    | 8.5   | 4.6    | (2000)      | ...   |             |
| Bhutan                     | ...                    | ...   | ...    | ...         | ...   |             |
| India                      | 10.5                   | 12.5  | 8.3    | (1999)      | 24.6  | (1997)      |
| Maldives                   | ...                    | ...   | ...    | ...         | ...   |             |
| Nepal                      | 4.6                    | 7.1   | 1.9    | (2000)      | 13.3  | (1997)      |
| Pakistan                   | ...                    | 4.4   | 2.6    | (1997)      | ...   |             |
| Sri Lanka                  | ...                    | 6.0   | 5.0    | (1997)      | 34.1  | (1996)      |
| <b>Central Asia</b>        |                        |       |        |             |   |             |
| Azerbaijan                 | 22.3                   | 23.1  | 21.4   | (1999)      | 37.0  | (1997)      |
| Kazakhstan                 | 30.9                   | 28.2  | 33.7   | (2000)      | 19.6  | (1995)      |
| Kyrgyz Republic            | 41.1                   | 40.2  | 42.0   | (2000)      | 13.6  | (1994)      |
| Tajikistan                 | 14.0                   | 21.2  | 6.8    | (2000)      | ...   |             |
| Turkmenistan               | ...                    | 18.5  | 20.0   | (1997)      | ...   |             |
| Uzbekistan                 | ...                    | 35.3  | 39.6   | (1997)      | ...   |             |
| <b>Pacific DMCs</b>        |                        |       |        |             |   |             |
| Cook Islands               | ...                    | ...   | ...    | ...         | ...   |             |
| Fiji Islands               | ...                    | 16.6  | 10.3   | (1997)      | ...   |             |
| Kiribati                   | ...                    | ...   | ...    | ...         | ...   |             |
| Marshall Islands           | ...                    | ...   | ...    | ...         | ...   |             |
| Micronesia, Fed. States of | 14.9                   | ...   | ...    | (1998)      | ...   |             |
| Nauru                      | ...                    | ...   | ...    | ...         | ...   |             |
| Papua New Guinea           | 2.3                    | 2.8   | 1.8    | (1998)      | 10.3  | (1996)      |
| Samoa                      | 10.9                   | 10.7  | 11.2   | (2000)      | ...   |             |
| Solomon Islands            | ...                    | ...   | ...    | ...         | ...   |             |
| Timor-Leste                | ...                    | ...   | ...    | ...         | ...   |             |
| Tonga                      | 3.8                    | 3.8   | 4.3    | (1999)      | ...   |             |
| Tovalu                     | ...                    | ...   | ...    | ...         | ...   |             |
| Vanuatu                    | 0.3                    | 0.4   | 0.3    | (1998)      | ...   |             |

**TABLE 21 – Percentage of higher education students, graduates, and women in natural sciences, engineering, and agriculture, 1996, selected DMCs**

|                         | % of Total Enrollment |      |      |
|-------------------------|-----------------------|------|------|
|                         | 1980                  | 1990 | 1990 |
| Cambodia                | ...                   | ...  | 23   |
| China, People's Rep. of | 47                    | 47   | 53   |
| Hong Kong, China        | 53                    | ...  | ...  |
| India                   | 28                    | ...  | 25   |
| Indonesia               | 21                    | 21   | 28   |
| Kazakhstan              | ...                   | ...  | 42   |
| Malaysia                | 30                    | 26   | ...  |
| Myanmar                 | ...                   | ...  | 37   |
| Philippines             | 29                    | 38   | ...  |
| Korea, Republic of      | 49                    | 36   | 34   |
| Singapore               | 53                    | 51   | ...  |
| Sri Lanka               | 33                    | 33   | 29   |
| Tajikistan              | ...                   | ...  | 23   |
| Thailand                | ...                   | 18   | 21   |

|                         | % of Graduates |      |      | % Women Students In Field |
|-------------------------|----------------|------|------|---------------------------|
|                         | 1980           | 1990 | 1996 |                           |
| Cambodia                | ...            | ...  | ...  | 11                        |
| China, People's Rep. of | 49             | 43   | 35   | ...                       |
| Hong Kong, China        | 33             | ...  | 42   | ...                       |
| India                   | 19             | ...  | ...  | 30                        |
| Indonesia               | 13             | ...  | 27   | 24                        |
| Kazakhstan              | ...            | ...  | 40   | 39                        |
| Malaysia                | 34             | 32   | ...  | ...                       |
| Myanmar                 | ...            | ...  | 30   | 61                        |
| Philippines             | ...            | 23   | 28   | ...                       |
| Korea, Republic of      | 48             | 33   | 38   | 17                        |
| Singapore               | 57             | ...  | 58   | ...                       |
| Sri Lanka               | ...            | 25   | 29   | 31                        |
| Tajikistan              | ...            | ...  | 18   | 13                        |
| Thailand                | ...            | 20   | 18   | ...                       |

What many young people need in developing countries is not academic pre-university education but vocational/technical/ continuing training for immediate employment. Table 3 shows the small number of vocational-tech enrollees because of the lack of these schools and often the unwillingness of some adolescents and their parents to go into these technical schools because of the prejudice of the culture against manual work. These drop-outs and those who do not have technical education will find it difficult to find useful employment in their adult lives.

Tertiary education is often beyond the means and ability of poor sectors of society; in others however there is an over subscription of university university graduates (such as Korea and the Philippines) creating the 'educated unemployed' who must be helped with some short training programs and nonformal courses that will enable them to find employment. Finally, in some countries, education for women is not available. This is a special need in these countries, to open doors of opportunity for women to be educated not only in literacy (in countries with highly illiteracy rates such as Pakistan, Bangladesh, and India), it is often the women who suffer most in favor of the males of society. This is a special need in these countries that calls for dedicated volunteer workers to open doors of opportunity for learning for women.

**TABLE 3 – Trends in gross enrollment in secondary and vocational. Education as percentage of total secondary, 1980-2000**

|                         | Secondary Gross Enrollment (%) |        |           |        | Vocational Education (% of Total Secondary) |           |
|-------------------------|--------------------------------|--------|-----------|--------|---|-----------|
|                         | 1980                           |        | 1999/2000 |        | 1980  | 1995/1998 |
|                         | Total                          | Female | Total     | Female |   |           |
| Kazakhstan              | 93                             | 93     | 87        | 87     | 11.8  | 8.2       |
| Kyrgyz Republic         | 110                            | 108    | 83        | 84     | 8.1   | 6.0       |
| Uzbekistan              | 105                            | 94     | ...       | ...    | 7.7   | 6.5       |
| China, People's Rep. of | 46                             | 37     | 63        | 60     | 2.1   | 15.0      |
| Hong Kong, China        | 64                             | 65     | ...       | ...    | 6.6   | 3.0       |
| Korea, Rep. of          | 78                             | 74     | 97        | 97     | 20.5  | 20.2      |
| Cambodia                | 8                              | 5      | 17        | 12     | ...   | ...       |
| Lao PDR                 | 21                             | 16     | 36        | 29     | 2.2   | 1.1       |
| Thailand                | 29                             | 28     | 79        | 80     | 15.5  | 18.0      |
| Viet Nam                | 42                             | 40     | 65        | 61     | 0.0   | 2.6       |
| Fiji Islands            | 55                             | 57     | ...       | ...    | 5.5   | 5.2       |
| Papua New Guinea        | 12                             | 8      | 21        | 18     | 0.0   | 10.2      |
| Samoa                   | ...                            | ...    | 76        | 80     | 1.3   | 0.0       |
| Afghanistan             | 10                             | 4      | ...       | ...    | 8.8   | 0.0       |
| Bangladesh              | 19                             | 9      | 54        | 56     | 1.0   | 1.0       |
| India                   | 30                             | 20     | 50        | 40     | 1.3   | 1.1       |
| Nepal                   | 22                             | 9      | 54        | 45     | ...   | ...       |
| Pakistan                | 14                             | 8      | 39        | 32     | 1.5   | 1.1       |
| Sri Lanka               | 55                             | 57     | 72        | 74     | 1.0   | 0.0       |
| Indonesia               | 29                             | 23     | 55        | 54     | 10.7  | 12.7      |
| Malaysia                | 48                             | 46     | 99        | 104    | 1.8   | 2.7       |
| Philippines             | 64                             | 69     | 76        | 79     | 0.0   | 0.0       |
| Singapore               | 60                             | 60     | ...       | ...    | 7.4   | 3.9       |

### 2.3. Illiteracy

Table 4 indicates the current illiteracy picture in Asia. Some poor countries have a high rate of literacy (e.g. the Philippines), but some poor countries have a much better level of science attainment than others (India and Pakistan) but have a high illiteracy rate among women. There is thus need for literacy workers not only in traditional elementary schools but through adult nonformal education on a continuing basis to make up for the deficits and the opportunities the illiterates never had during their school-age years.



**TABLE 4 – Adult illiteracy (population aged 15 and over), developing member countries, 2000 estimates**

|                                    | Index of illiteracy (%) |      |        |
|------------------------------------|-------------------------|------|--------|
|                                    | Total                   | Male | Female |
| <b>Asia Oriental</b>               |                         |      |        |
| Rep. Popular China                 | 14.8                    | 7.9  | 22.1   |
| Hong Kong, China                   | 6.7                     | 3.1  | 10.8   |
| Corea del Sur                      | 2.2                     | 0.9  | 3.6    |
| Mongolia                           | 1.6                     | 1.4  | 1.7    |
| Taiwan                             | sin datos               | 5.1  | 12.6   |
| <b>Sudeste de Asia</b>             |                         |      |        |
| Camboya                            | 32.0                    | 19.8 | 42.8   |
| Indonesia                          | 13.2                    | 8.2  | 18.1   |
| Laos                               | 35.2                    | 23.8 | 46.6   |
| Malasia                            | 12.6                    | 8.6  | 16.6   |
| Myanmar                            | 15.3                    | 11.1 | 19.5   |
| Filipinas                          | 5.1                     | 4.9  | 5.2    |
| Singapur                           | 7.7                     | 3.8  | 11.7   |
| Tailandia                          | 4.5                     | 2.9  | 6.1    |
| Vietnam                            | 7.5                     | 5.5  | 9.3    |
| <b>Asia Meridional</b>             |                         |      |        |
| Afganistán                         | ...                     | 49.0 | 79.0   |
| Bangladesh                         | 60.0                    | 50.6 | 69.8   |
| Bután                              | ...                     | 39.0 | 66.0   |
| India                              | 42.8                    | 31.6 | 54.6   |
| Maldivas                           | 3.1                     | 3.0  | 3.2    |
| Nepal                              | 58.3                    | 40.6 | 76.0   |
| Pakistán                           | 56.8                    | 42.6 | 72.1   |
| Sri Lanka                          | 8.4                     | 5.6  | 11.0   |
| <b>Asia Central</b>                |                         |      |        |
| Azerbaiyán                         | 2.7                     | 2.7  | 2.7    |
| Kazajstán                          | 0.6                     | 0.3  | 0.9    |
| Kyrgyz Republic                    | 1.3                     | ...  | ...    |
| Tayikistán                         | 0.8                     | 0.4  | 1.2    |
| Turkmenistán                       | ...                     | ...  | ...    |
| Uzbekistán                         | 0.8                     | 0.4  | 1.2    |
| <b>Países del Pacífico en vías</b> |                         |      |        |
| Islas Cook                         | ...                     | 7.0  | 6.0    |
| Fiji                               | 7.1                     | 5.1  | 9.2    |
| Kiribati                           | 8.0                     | 6.0  | 9.0    |
| Islas Marshall                     | 3.0                     | 3.0  | 3.0    |
| Estados Fed. de Micronesia         | ...                     | 23.0 | 34.0   |
| Nauru                              | 5.0                     | 5.0  | 5.0    |
| Papua Nueva Guinea                 | 36.1                    | 29.4 | 43.2   |
| Samoa                              | 1.4                     | 1.1  | 1.7    |
| Islas Salomón                      | ...                     | ...  | ...    |
| Timor Oriental                     | 57.0                    | 56.9 | 57.2   |
| Tonga                              | 1.0                     | 1.0  | 1.0    |
| Tuvalu                             | 5.0                     | 5.0  | 5.0    |
| Vanuatu                            | ...                     | ...  | ...    |

|                                    | Illiterate adults ('000) |           |           |
|------------------------------------|--------------------------|-----------|-----------|
|                                    | Total                    | Male      | Female    |
| <b>Asia Oriental</b>               |                          |           |           |
| Rep. Popular China                 | 141.903                  | 38.424    | 103.499   |
| Hong Kong, China                   | 387                      | 91        | 306       |
| Corea del Sur                      | 831                      | 159       | 673       |
| Mongolia                           | 26                       | 11        | 14        |
| Taiwan                             | sin datos                | sin datos | sin datos |
| <b>Sudeste de Asia</b>             |                          |           |           |
| Camboya                            | 2.352                    | 689       | 1.660     |
| Indonesia                          | 19.377                   | 6.018     | 13.306    |
| Laos                               | 1.064                    | 354       | 716       |
| Malasia                            | 1.846                    | 636       | 1.211     |
| Myanmar                            | 4.897                    | 1.740     | 3.161     |
| Filipinas                          | 2.395                    | 1.161     | 1.235     |
| Singapur                           | 243                      | 59        | 184       |
| Tailandia                          | 2.081                    | 647       | 1.440     |
| Vietnam                            | 3.901                    | 1.419     | 2.463     |
| <b>Asia Meridional</b>             |                          |           |           |
| Afganistán                         | ...                      | ...       | ...       |
| Bangladesh                         | 50.558                   | 22.035    | 28.445    |
| Bután                              | ...                      | ...       | ...       |
| India                              | 286.951                  | 109.367   | 177.689   |
| Maldivas                           | 5                        | 3         | 3         |
| Nepal                              | 7.922                    | 2.808     | 5.065     |
| Pakistán                           | 46.702                   | 17.980    | 28.871    |
| Sri Lanka                          | 1.167                    | 401       | 745       |
| <b>Asia Central</b>                |                          |           |           |
| Azerbaiyán                         | ...                      | ...       | ...       |
| Kazajstán                          | 72                       | 20        | 53        |
| Kyrgyz Republic                    | ...                      | ...       | ...       |
| Tayikistán                         | 30                       | 8         | 22        |
| Turkmenistán                       | ...                      | ...       | ...       |
| Uzbekistán                         | 126                      | 31        | 94        |
| <b>Países del Pacífico en vías</b> |                          |           |           |
| Islas Cook                         | ...                      | ...       | ...       |
| Fiji                               | 39                       | 14        | 25        |
| Kiribati                           | ...                      | ...       | ...       |
| Islas Marshall                     | ...                      | ...       | ...       |
| Estados Fed. de Micronesia         | ...                      | ...       | ...       |
| Nauru                              | ...                      | ...       | ...       |
| Papua Nueva Guinea                 | 1.040                    | 443       | 594       |
| Samoa                              | 1                        | 1         | 1         |
| Islas Salomón                      | ...                      | ...       | ...       |
| Timor Oriental                     | ...                      | ...       | ...       |
| Tonga                              | ...                      | ...       | ...       |
| Tuvalu                             | ...                      | ...       | ...       |
| Vanuatu                            | ...                      | ...       | ...       |

**TABLE 4A – Female Reading Ability by Age Group, Three DMCs**

| Age Group | Indonesia (1997) |                 |        | Nepal (1996) |                 |        | Philippines (1998) |                 |        |
|-----------|------------------|-----------------|--------|--------------|-----------------|--------|--------------------|-----------------|--------|
|           | Cannot Read      | With Difficulty | Easily | Cannot Read  | With Difficulty | Easily | Cannot Read        | With Difficulty | Easily |
| 12-20     | 7.5              | 5.3             | 87.2   | 67.5         | 7.2             | 25.3   | 1.6                | 8.7             | 89.8   |
| 21-40     | 14.8             | 8.5             | 67.7   | 77.4         | 4.3             | 18.2   | 4.2                | 13.6            | 82.2   |
| >40       | 27.1             | 11.7            | 61.1   | 91.9         | 1.9             | 6.2    | 7.1                | 22.8            | 70.1   |

## 2.4. Costs of Education

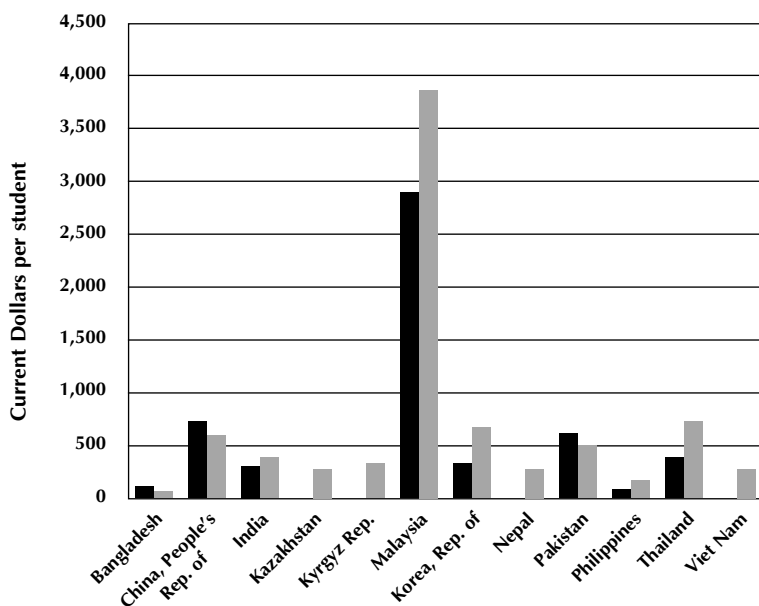
Even when education is accessible, there is no assurance of quality since the per capita allocation of the state might not be sufficient to provide for quality. Private education supplies some of these lacunae but given the size of the population what the private sector can do at this level is limited because of lack of funds. Table 5 indicates the huge gaps or differences between public expenditure for education country by country resulting in tremendous disparities across countries on the quality of education.

The same goes for higher education which is needed for development of the country after a certain threshold level, if the country desires to industrialize. Here the Philippines is an example of an unusual situation. 75% of higher education (as in Korea and Japan) is private but since the Philippines is not an affluent country and since all private higher education is paid for by tuition from parents with no subsidy from the State, then the per student expenditures for education, public or private, are small resulting in a lack of quality and the subsequent unemployment of these graduates.

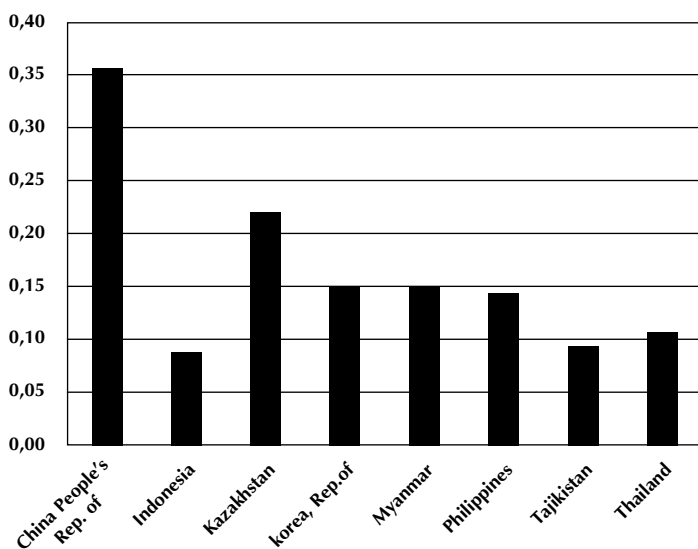
**TABLE 5 – Public Expenditure on Education in Developing Member Countries**

|                            | As % of GDP | As % of Total Public Expenditure | School Year | Share of Level in Total Public Expenditure on Education (%) |           |          |       | School Year |
|----------------------------|-------------|----------------------------------|-------------|---|-----------|----------|-------|-------------|
|                            |             |                                  |             | Primary   | Secondary | Tertiary | Other |             |
| <b>East Asia</b>           |             |                                  |             |   |           |          |       |             |
| China, People's Rep. of    | 2.08        | ...                              | (1999)      | 37.4  | 32.2      | 15.6     | 14.8  | (1996)      |
| Hong Kong, China           | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| Korea, Rep. of             | 3.82        | 17.38                            | (2000)      | 45.3  | 36.6      | 8.0      | 10.0  | (1995)      |
| Mongolia                   | 2.35        | 2.19                             | (2000)      | 19.9  | 56.0      | 14.3     | 9.8   | (1996)      |
| Taipei, China              | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| <b>Southeast Asia</b>      |             |                                  |             |   |           |          |       |             |
| Cambodia                   | 1.92        | 10.05                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Indonesia                  | ...         | ...                              |             | <--- 73.5 --->  | 24.4      | 2.1      |       | (1996)      |
| Lao People's Dem. Rep.     | 2.32        | 8.85                             | (2000)      | 54.9  | 26.4      | 7.9      | 10.8  | (1996)      |
| Malaysia                   | 6.25        | 26.65                            | (2000)      | 37.3  | 35.5      | 20.2     | 7.0   | (1996)      |
| Myanmar                    | 0.46        | 8.99                             | (1999)      | ...   | ...       | ...      | ...   |             |
| Philippines                | 4.23        | 20.60                            | (1998)      | 54.7  | 23.5      | 17.8     | 3.9   | (1996)      |
| Singapore                  | 3.69        | 23.62                            | (2000)      | 25.7  | 34.6      | 34.8     | 4.9   | (1995)      |
| Thailand                   | 5.43        | 30.97                            | (2000)      | 50.4  | 20.0      | 16.4     | 13.3  | (1996)      |
| Viet Nam                   | ...         | ...                              |             | 43.0  | 26.0      | 22.0     | 9.0   | (1996)      |
| <b>South Asia</b>          |             |                                  |             |   |           |          |       |             |
| Afghanistan                | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| Bangladesh                 | 2.46        | 15.70                            | (2000)      | 44.8  | 43.8      | 7.9      | 3.5   | (1996)      |
| Bhutan                     | 5.16        | 12.86                            | (2000)      | 44.0  | 35.6      | 20.4     | 0.0   | (1997)      |
| India                      | 4.06        | 12.72                            | (1999)      | 39.4  | 40.5      | 20.1     | 0.0   | (1996)      |
| Maldives                   | 3.91        | 11.24                            | (1998)      | ...   | ...       | ...      | ...   |             |
| Nepal                      | 3.71        | 14.10                            | (2000)      | 49.3  | 20.9      | 17.9     | 11.9  | (1996)      |
| Pakistan                   | 1.77        | 7.77                             | (2000)      | ...   | ...       | ...      | ...   |             |
| Sri Lanka                  | 3.05        | ...                              | (1998)      | <--- 74.8 --->  | 9.3       | 16.0     |       | (1996)      |
| <b>Central Asia</b>        |             |                                  |             |   |           |          |       |             |
| Azerbaijan                 | 4.21        | 24.41                            | (1999)      | 14.6  | 63.9      | 7.5      | 13.9  | (1996)      |
| Kazakhstan                 | ...         | ...                              |             | 10.4  | 61.1      | 13.4     | 15.1  | (1996)      |
| Kyrgyz Republic            | 5.43        | ...                              | (1998)      | 6.6   | 68.0      | 14.1     | 11.2  | (1996)      |
| Tajikistan                 | 2.08        | 11.82                            | (1999)      | 14.9  | 71.2      | 7.1      | 6.8   | (1996)      |
| Turkmenistan               | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| Uzbekistan                 | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| <b>Pacific DMCs</b>        |             |                                  |             |   |           |          |       |             |
| Cook Islands               | ...         | 13.10                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Fiji Islands               | 5.17        | 17.00                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Kiribati                   | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| Marshall Islands           | 16.56       | ...                              | (1999)      | ...   | ...       | ...      | ...   |             |
| Micronesia, Fed. States of | 5.50        | ...                              | (1999)      | ...   | ...       | ...      | ...   |             |
| Nauru                      | ...         | 7.00                             | (2000)      | ...   | ...       | ...      | ...   |             |
| Papua New Guinea           | 2.29        | 17.50                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Samoa                      | 4.17        | 13.27                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Solomon Islands            | 3.62        | 15.40                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Timor-Leste                | ...         | ...                              |             | ...   | ...       | ...      | ...   |             |
| Tonga                      | 5.29        | 17.80                            | (2000)      | ...   | ...       | ...      | ...   |             |
| Tuvalu                     | ...         | 16.80                            | (1999)      | ...   | ...       | ...      | ...   |             |
| Vanuatu                    | 7.28        | 17.36                            | (2000)      | ...   | ...       | ...      | ...   |             |

**TABLE 5A – Public spending per student in Tertiary Education, 1990 and 1997, Selected DMCs**



**TABLE 5B – Ratio of Graduates to Total Enrollment in Tertiary Education, mid-1990s, Selected DMCs**



### 3. Implications

In this paper, relying mostly on the 2003 annual publication on key indicators of member countries of the Asian Development Bank, I have described the situation in the Asian countries with regard to population, annual population growth rate, percentage of the population between 6 and 17 (the age bracket for basic education, primary and secondary), tertiary education graduates, an estimate of out-of-school youth numbers, per capita GNP, expenditures per capita for public school students (all levels (Table 5, 5A), and survival rates for tertiary education (Table 5B). In addition to these economic and demographic indicators, I have likewise looked at the presence or absence of Catholic schools, the presence of the Brothers, and where they are present, the kinds of schools they are working in. Based on these social, political, economic, demographic indicators, we are in a better position to determine future needs for Catholic education in these countries, and the different types of schools needed or to be expanded.

With this background, we are likewise in a better position to gauge needs and to see possibilities for involvement by the Brothers in these countries to supply what is still lacking by way of educational offerings. The short comments and considerations accompanying each table give rise to other possibilities, alternative models for the delivery of education, and possible new activities where the Brothers can make a contribution in the future, in spite of their limited numbers as well as modest set of talents.

In developed countries, educational needs such as literacy (see Table 3) (for children, women, adults) are well taken care of and do not need further help; of course, in these countries, religious and values education continue to be challenges for the new generation, a need to be met by Government and agencies such as the Church with the participation of all religious groups.

In line with their distinctive mission, the Brothers will do well to look at developing countries to help meet the need for literacy (for all sectors) and continuing education as well as technical-vocational education and training for employable skills more than mere academic skills in university preparatory schools which seem to be first in priority in the government policies of these developing countries and hence less in need of private interven-

tion. For Asia, if political policy permits foreign religious to engage in educational activities without too many restrictions (reasonable visa requirements, freedom to teach, freedom to engage in Catholic education), the possibilities are without limit and new initiatives for both traditional and innovative education are possible, as they are in the Philippines. They are more constrained in Islamic countries and other non-Christian countries which mistrust any attempts which may lead to conversion or proselytization. Even in countries such as China and Taiwan, where the government dominates basic education, new paradigms can be suggested to teach religion and to carry out Catholic education in non-formal ways. Similarly restrictions on religiously oriented tertiary universities need not stop religious congregations from undertaking Christian education in nonformal ways that the Government will not find objectionable. What is needed however is to establish a beachhead in a large country such as China and Indonesia, for example, and in such ideologically closed countries such as Vietnam and Myanmar and North Korea. What is necessary are new paradigms of Catholic education, different models supplanting traditional Catholic schools yielding to more contemporary models to fit local country situations. This demands creativity, sophistication, awareness of possibilities which only rigorous educational training will facilitate, evaluation of existing projects, critical comparison of different educational systems and models.

In turn, this demands a well-educated and adequately trained group of Brothers who will be prepared to undertake these new forms and models of education and educational delivery, exhibit the flexibility needed to fit new social and political as well as economic conditions, and, above all, full awareness of the contemporary situation and ways of dealing with it which only a first-rate education and training and specialization will make possible.

To me, this is perhaps the most challenging and at the same time most fulfilling contribution of the Brothers in these new times with hopefully a declericalized Church and a Church truly concerned for the poor which challenges its new generation of followers to take risks and to try new methods of delivery and carrying out of Christian formation. The agenda for the Brothers of the future should include the development of a new paradigm of the Lasallian Christian center (not necessarily a formal school).

Christ beckons to us in China, India, Indonesia, and a modernized secularized Japan, Vietnam, Myanmar, Cambodia, and countries which hopefully will be willing to begin the dialogue with Christianity, countries such as Malaysia, Pakistan, and Buddhist countries such as Sri Lanka, Mongolia (where the first bishop is a Filipino), the former socialist countries of the USSR in the Far East, and in a continent such as India with its many civilizations, cultures and religions.

Indeed, the harvest is great but the laborers are few and these new laborers must be prepared to deal with the new technology and the new mentalities and attitudes and be sensitive to the signs of the times.



## REFERENCES

- *Asian Development Bank*. 2003. Education for global participation Special Chapter. In *Key Indicators 2003*, volume 34. Manila: Asian Development Bank.
- *Gonzalez Andrew*, FSC. 1995. Innovations in higher education in Asia. Keynote address. In *Proceedings of the 22<sup>nd</sup> Acuca International Conference on Innovations in Asian Graduate Education*, ed. by Eva S. Villanueva. Acuca Exchange 5.1.40-6.
- *Gonzalez Andrew*, FSC. 1991. Higher education in the Pacific Rim: Towards homo pacificus. *Proceedings of the First Rim University President's Conference on the Changing Role of the Pacific Rim Universities in the Year 2000*, 3-6 December, 1990, at Tamkang University, Taiwan, Republic of China, 19-26: Taiwan, Republic of China: Tamkang University.
- *Gonzalez Andrew*, FSC. 1989. The future of higher education in the Southeast Asia Pacific Region. In *The future of international education: Directions and opportunities*, ed. by Glenn B. Freedman and Glenn A. Goerke, 111-18. Houston: Institute for the Future of Higher Education, The University of Houston.

