

Fourteenth Edition

The State
of
Church Giving
through 2002

*Excerpt:
Appendix D*

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The State of Church Giving through 2002
by John and Sylvia Ronsvalle
published by empty tomb, inc.
First printing, October 2004

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ISBN 0-9679633-4-6
ISSN 1097-3192

The Library of Congress has catalogued this publication
as follows:

The state of church giving through ...—19uu- Champaign, Ill. : Empty Tomb, Inc.,
v. : ill. ; 28 cm. Annual.

1. Christian giving Periodicals.
2. Christian giving Statistics Periodicals.
3. Church finance—United States Periodicals.
4. Church finance—United States Statistics Periodicals.

BV772 .S32 98-640917

APPENDIX D SERIES: *The Yoking Map*[®]

The Yoking Map was first published in 1984, in *The Hidden Billions: The Potential of the Church* by John and Sylvia Ronsvalle (Champaign, IL: C-4). It was published again in *The Poor Have Faces: Loving Your Neighbor in the 21st Century* by John and Sylvia Ronsvalle (Grand Rapids, MI: Baker Books) in 1992. The Yoking Map was also included on the empty tomb, inc. Web site, <www.emptytomb.org/yoking.php>, through which one can access information about each county in the U.S. and each of the Yoked Countries.

Resource Units: Total Historically Christian Adherent Capability in the United States. The estimate of total historically Christian adherent capability in the United States follows and updates the approach taken in “Yoking Map Development,” empty tomb, inc., January 13, 1984, p. 5, which served as a basis for *The Hidden Billions* presentation of the Yoking Map.

The estimate for total historically Christian adherent resources available for global word and deed mission employing 2003 figures was \$269,773,460,000.

In deriving this figure it was assumed that (1) 50 percent of the U.S. population are Christian adherents from whom one might expect congregational giving, (2) congregational giving levels averaged 10 percent, and (3) 58.7 percent of the total giving at the 10 percent level of giving would be additional funds for Global Word and Deed Mission (as noted in Table D, Column 4b of *The Hidden Billions*, pp. 79-80). The Total Personal Income base figure of \$9,191,600,000,000 for 2003 was obtained from <<http://www.bea.doc.gov/bea/dn/nipaweb/TableView.asp#Mid>>, p. 1 of 3/8/04 10:35 AM printout. More detailed information was originally provided in “Notes, Supplement” 11/14/83 of “Yoking Map Programming Information: U.S. Church Resource Units, 1980,” empty tomb, inc., June 16, 1983, p. 23. Following is an update of that information.

Given the BEA 2003 U.S. Total Personal Income estimate of \$9,191,600,000,000, then \$459,580,000,000 would constitute 10 percent of the \$4,595,800,000,000 that is the amount possessed by Christian adherents if it is assumed that 50 percent of the U.S. population are historically Christian adherents from whom one might expect congregational giving. As noted above, 58.7 percent of the total giving at the 10 percent level of giving would be additional funds for Global Word and Deed Mission. Thus 58.7 percent of \$459,580,000,000 is \$269,773,460,000.

The source for the Religious Adherents per U.S. county was based on a document entitled, “RCMS_200.XLS” dated Thu, Aug 15, 2002, 1:38 PM. Population was taken from a document entitled, “RCMS_COU.XLS” dated Thu, Aug 15, 2002, 1:12 PM. Both documents were on a CD entitled, “Religious Congregations & Membership in the United States 2000”¹ (RCMS) which was an insert between page 564 and the back cover of *Religious Congregations and Membership in the United States, 2000* (RCMUS 2000).²

Thirteen religious entities were not considered historically Christian for purposes of the Yoking Map, and were filtered out of the adherents data.³ The result was the number of historically Christian adherents for each

¹ Association of Statisticians of American Religious Bodies, “Religious Congregation & Membership in the United States 2000” (CD format), published by Glenmary Research Center: <www.glenmary.org/grc>, 2002.

² Dale E. Jones, Sherri Doty, Clifford Grammich, James E. Horsch, Richard Houseal, Mac Lynn, John P. Marcum, Kenneth M. Sanchagrin, and Richard H. Taylor, *Religious Congregations and Membership in the United States, 2000* (Nashville: Glenmary Research Center, 2002).

³ The list of RCMUS 2000 Code and Full Group Name (pp. xix-xxii) not included in the historically Christian adherent figure is as follows:

056	Baha’i
076	Buddhists
151	Church of Jesus Christ of Latter-day Saints, The
173	Community of Christ
252	Hindus
267	Muslim Estimate
268	Jains
290	Universal Fellowship of Metropolitan Community Churches
416	Sikhs
425	Taoists
435	Unitarian Universalist Association of Congregations
490	Zoroastrians
496	Jewish Estimate

county, estimated to be a total of 128,995,550 in the U.S. The number of historically Christian adherents for a county was then divided by the population of that county to yield a percentage of historically Christian adherents figure for that county.

The BEA Area Names were brought into conformity with the RCMS County Names. According to RCMUS 2000 (p. xiv), there were 3,141 counties or county-equivalents in the U.S. Twenty-nine of Virginia's independent cities were merged as a functioning of synchronizing RCMS and BEA county nomenclature and data, leaving 3,112. The merger of Clifton Forge City, VA with Allegheny County, VA, reduced the number of counties or county-equivalents to 3,111. The merger of Kalawao with Maui, HI, resulted in a final tally of 3,110 counties or county-equivalents.

A dollar figure of county, state, and national level Yoking Map Resource Units was calculated by: (1) multiplying county level historically Christian Adherents as a percent of county Population for the year 2000 times county level aggregate Personal Income for the year 2000, thus obtaining a County Historically Christian Adherents Personal Income figure; (2) dividing county level County Historically Christian Adherents Personal Income by the national total of county level Historically Christian Adherents Personal Income, thus obtaining a County Historically Christian Adherents Proportionate Capability figure; and (3) multiplying county level County Historically Christian Adherents Proportionate Capability by the Total Historically Christian Adherents Capability in the U.S. of \$269,773,460,000.

The first two columns in Appendix D-1 list the U.S. state and county, followed by the standard identifier U.S. BEA FIPS Code for the county. The next two columns list the potential additional missions dollars available, followed by the nation(s) with which the U.S. county is yoked.

Need Units: An Estimate of Global Word and Deed Need. Need Units for the Yoking Map were based on whether a nation was less than 50% historically Christian and/or had less than 50% average per capita GNP.

The global information contained in the Yoking Map builds on the work of David B. Barrett, George T. Kurian, and Todd M. Johnson in *The World Christian Encyclopedia*.⁴ This source document is behind the data in the copyrighted World Christian Database.⁵

Each nation's Christian adherents, less the "Marginal" "Christian megablock" and four of the "Christian traditions" within the "Independents" "Christian megablock" listed in the World Christian Database,⁶ were divided by the population of that nation. The result was the percent of historically Christian adherents in that nation.

The data for the number of Christian adherents and population for each nation was obtained on 4/1/2004 from <<http://www.worldchristiandatabase.org/wcd/esweb.asp?wci=Results&Query=-287>>.⁷

Each nation's average GNP was compared to the global average GNP \$4,798.5. Average Global GNP and nations with GNP less than the Average Global GNP were accessed as follows: <<http://www.worldchristiandatabase.org/wcd/esweb.asp?wci=Results&Query=-212>>, 3/26/2004 and 3/29/2004, respectively.

A 100-point Need Index was then developed for each of the Word Need and Deed Need categories. Given that development mission needs are more costly than word evangelism mission needs, the Deed component, keyed to the global average GNP, was weighted 10, and the Word component, keyed to the 50% historically

⁴ David B. Barrett, George T. Kurian, and Todd M. John, *The World Christian Encyclopedia* (New York: Oxford University Press, 2001).

⁵ World Christian Database of the Center of Global Christianity at Gordon-Conwell Theological Seminary, South Hamilton, MA, (978) 646-4141, Dr. Todd M. Johnson, Director.

⁶ The World Christian Database presented Christian traditions in what were termed "megablocks." The "Marginal" megablock included traditions considered outside the standard definition of historically Christian as used in the Yoking Map, and therefore were not included in the Need Units calculations. The following categories, as listed in the "Independents" megablock, were also not included in the Need Units calculation: "Gay/Lesbian homosexual tradition"; Jehovah's Witnesses (Jehovah's Christian Witnesses; Russellites); "Liberal Catholic (Theosophical, Masonic, Gnostic)"; "Spiritualist, Spiritist (thaumaturgical), psychic, psychical, occult."

⁷ The other data was accessed as follows:

"Marginal" adherents: <<http://www.worldchristiandatabase.org/wcd/esweb.asp?wci=Results&Query=-212>>, 4/1/2004.

"Independents": <<http://www.worldchristiandatabase.org/wcd/esweb.asp?wci=Results&Query=-211>>, 3/29/2004.

Appendix D: Yoking Map

Christian adherents level, was weighted one. The results were merged into the single 100-point Material and Evangelism Need Index.

The Material and Evangelism Need Index for each nation was multiplied by the population of the nation, yielding the Unadjusted Need Units for that nation. The Total Unadjusted Need Units for all nations was 396,317,231,156.

These Unadjusted Need Units were brought into conformity with the Resource Units amount of 269,773,460,000 by multiplying the Unadjusted Need Units for each nation by the ratio of Total Resource Units to the Total Unadjusted Need Units. As a result, the Total Need Units equaled the Total Resource Units amount of 269,773,460,000. The calculated Need Units figure for each nation was therefore equal to the dollar figure of Resource Units for that nation.

The Appendix D-2 column labeled “Resources Available for Global Word and Deed Mission (Dollars)” lists the dollar value of the Need Units for the nation. The “Portion of Resources Available for Deed Mission (Percent)” column lists the calculated portion for Deed Mission for that nation. Subtracting the listed percentage from 100% yields the calculated portion for Word Mission for that nation. The name of the nation is followed by the U.S. state(s) yoked with that nation.

Yoking Process. Matching began with Texas and Latin America, both because of their shared border and also because of cultural connections.

The former U.S.S.R. had been matched with Alaska. In the present Yoking Map update, Russia was matched with Alaska, and extended through Washington into Oregon. The other nations that were formerly in the U.S.S.R. were matched with states on the East Coast, as they geographically extended east or southeast of the European nations with Need Units.

The rest of the West Coast and the Southwest were matched with East and Southeast Asia.

India was matched with church members in the Southeastern and Southern states for the most part.

China began in the Western states and continued through the Midwest.

Africa was matched with the northeastern states. The middle eastern nations were matched with counties in the Northeast as well.

Oceania and Japan were matched with Hawaii.

Stopping, in Jesus’ Name, Global Child Deaths Factor. The Congregational Matching Dollars totaling \$1.25 billion is half of the \$2.5 billion a year amount that UNICEF’s James Grant estimated in *The State of the World’s Children 1990*⁸ was needed to stop most of the world’s annual child deaths. It is proposed by empty tomb that wealthy Christians in the U.S. could provide \$1.25 billion a year that would provide matching funds for historically Christian congregations, which themselves would raise \$1.25 billion in new mission money to help stop in Jesus’ name preventable global child deaths and thereby qualify for the \$1.25 billion in matching funds from wealthy Christians. If approximately \$5 billion a year is needed in the first decade of the 2000s, then the \$1.25 billion in Congregational Matching Dollars would provide for one fourth of the funds needed. In that case, other sources for the remaining \$2.5 billion could be parachurch organizations in the U.S., historically Christian churches in other wealthier countries and regions such as, for example, Canada, Australia/New Zealand, and Europe, and historically Christian churches in poorer countries.

The “Cost per Child” figure of \$208.33 was derived as follows. If approximately \$5 billion a year is needed in the first decade of the 2000s to stop preventable child deaths, then the \$1.25 billion in Congregational Matching Dollars would provide for one fourth of the funds needed. Also, a model was used that assumed (1) 10 million annual child deaths per year, based on *The State of the World’s Children 2004* estimate of 10.889 million under-5 child deaths in 2002,⁹ and (2) 60% of the under-5 child deaths are preventable is a slightly more conservative estimate, based in part on the conclusion that 63% of child deaths could be prevented as concluded by Jones, et al. in the July 2003 issue of *The Lancet*.¹⁰ The estimate of \$5 billion a year was obtained by doubling James

⁸ James Grant, *The State of The World’s Children 1990* (New York: Oxford University Press, 1990), p. 16.

⁹ Carol Bellamy, *The State of the World’s Children 2004* (New York: UNICEF, 2003), p.105.

¹⁰ Gareth Jones, Richard W. Steketee, Robert E. Black, Zulfigqar A. Bhutta, Saul S. Morris, and the Ballagio Child Survival Study Group; “How Many Child Deaths Can We prevent This Year?” ; published July 5, 2003 in *The Lancet*; http://www.thelancet.com/journal/vol362/iss9377.child_survival.26292.1; p. 1 of 7/7/03 2:06 PM printout.

Grant's estimate of \$2.5 billion in *The State of the World's Children*.¹¹ When \$5 billion per year was divided by 6 million prevented child deaths, the resulting amount was \$833.33 per child in needed funds. If Congregational Matching Dollars provided \$1.25 billion per year, then this amount divided by 6,000,000 annually preventable under-5 child deaths equals \$208.33 per child.

The \$1.25 billion to come from additional money given in congregations was distributed proportionally among the counties and states. The "Suggested Portion for Helping, in Jesus' Name, to Stop Global Child Deaths (Calculated)" is the fifth column in Appendix D-1.

A "Number of Children" figure for each county and state, representing the number of child deaths that could be prevented by financial support from that county and state, was calculated by dividing the total Congregational Matching Dollars totaling \$1.25 billion by the "Cost per Child" figure of \$208.33. The same was done for each state and county. The resulting number of children per county and state is presented in the last column of Appendix D-1, labeled "Number of Child Deaths that Could Be Prevented (Calculated)."

¹¹ The cost may be higher. See The Bellagio Study Group on Child Survival, "Knowledge into Action for Child Survival," *The Lancet*, vol. 362, July 26, 2003, p. 325 of <http://pdf.thelancet.com/pdfdownload?uid=llan.362.9380.child_survival.26596.1&x=x.pdf> downloaded 9/5/2004. The numbers in that article indicated the following additional money is needed: \$1.0 billion for vaccinations, \$4.0 billion for treatment of childhood illnesses, and an additional \$2.5 billion for malaria prevention and treatment for all age groups, for a total of \$7.5 billion compared to the \$5 billion noted above.