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Analysis

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#### **ABSTRACT**

Average salary increases for 985 faculty in the field of geography are reported for 1983-1984 and 1986-1987, as part of the College and University Personnel Association's annual faculty salary studies. Included are comparative data for 120,580 faculty at 167 public colleges and 235 private colleges, representing 44 academic disciplines. In 1983, 78 public colleges and 23 private colleges reported on geography faculty salaries, while 82 public and 21 private colleges reported in 1986. Between 1983 and 1986, average salaries of faculty in this field increased 20,7% at public colleges and 14.5% at private colleges. For 1986-1987 the average salary for geography faculty was above the average faculty salary in the other 43 disciplines (2% above for public colleges and 9% above for private colleges). Included is information on: the number of faculty by academic rank, including new assistant professors; salaries by academic rank; the ratio of average Lalaries to total salaries of all institutions in both years; comparisons with the Consumer Price Index of changes in cost-of-living for both years; and comparisons with 43 other disciplines. The disciplines and participating institutions are listed. (SW)

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## 1983-84 AND 1986-87

FOR THE YEARS

Since 1982-83 the College and University Personnel Association (CUPA) in Washington, D.C., in cooperation with Appalachian State University in Boone, North Carolina, has conducted annual national faculty salary studies by discipline and rank each year through 1986-87. Each year two separate studies are conducted, one for public senior colleges and universities which are members of the American Association of State Colleges and Universities (AASCU) in Washington, D.C., and the other for private senior colleges and universities. The list of private institutions is provided by the American Council on Education in Washington, D.C.

Salary data for each study were collected and tabulated for full-time teaching faculty in 44 selected academic disciplines including geography. The disciplines were chosen from among those defined by the Higher Education General Information Study (HEGIS) Taxonomy and by A Classification of Instructional Programs (CIP), 1981. The definition of the discipline/major field of geography in the CIP is as follows:

> instructional program that describes the earth and its life; the description of land, sea, and air; and the distribution of plant and animal life, including human beings and industries.

This article presents a summary of the overall average salary increases in the diszipline/major field of geography from the "baseline year" of 1983-84 to and including the "trand year" of 1986-87 for both public and private institutions. Of the 215 institutions which participated in CUPA's PUELIC (AASCU)

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study of 1983-84, 167 also participated in 1986-87. Data from those same 167 institutions were used in both the baseline year and the trend year. Of the 355 institutions which participated in CUPA'S PRIVATE study of 1983-84, 235 also participated in 1986-87. Data from those same 235 institutions were used in both the baseline year and the trend year.

This study lists the average salaries of geography faculty for both public and private participating institutions by rank, including "new assistant professor," the FAC MIX PCT (Faculty Mix Percentage) and the salary factor. In addition, comparisons are made with the CPI (Consumer Price Index) of changes in cost-of-living between the two studies for each of the two study years (1983-84 and 1986-87).

The CPI is based on prices of food, clothing, shelter and fuels, transportation, medical care, entertainment, and other goods and services that people buy for day-to-day living. In examining trends in faculty salary it is important to consider any changes in the economy. Therefore, the CPI was used to yield a more precise representation of "real" salary increases over time.

The salary is based on a nine- or ten-month academic year salary of full-time faculty only. It does not include any laculty members teaching less than 51 percent. Salary for summer academic work, fringe benefits, and perquisites are not included in the salary data. The average salary is based on the study information with the assumption that all employees were full-time. The average salary displayed is an average of all faculty salaries reported for a given rank and discipline.

The "NUM" means the number of faculty members whose salaries were included to compute the average salary.

The "N/IN" means the number of institutions that reported salary data for a given academic rank and discipline/major field.



The FAC MIX PCT is the percentage of faculty in a given discipline/major field who hold a given academic rank. For example, a FAC MIX PCT factor of .32 for associate professor of geography in the 1983-84 public study means that 32 percent of the faculty in that discipline/major field hold the rank of associate professor.

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The SALARY FACTOR for a given rank of a given discipline/major field is the ratio of the average salary to the total average salary of all institutions in each of the four studies: PUBLIC 1983-84, PUBLIC 1986-87, PRIVATE 1983-84 and PRIVATE 1986-87. For example, a SALARY FACTOR of 0.98 for assistant professors in the discipline/major field of geography in the 1983-84 public study means that their salaries are 2 percent lower than the average of all assistant professors in all institutions in that study.

NEW ASST PROF is the grouping of assistant professors who were hired for the first time in the fall of the study year (1983-84 or 1986-87). All information for this group was included in the ASST PROF group for reporting purposes. This group is used mainly for new hiring information.

ALL MAJOR FIELDS is the entire data base for all 44 disciplines/major fields in each of the four studies. It is used to compare, among other things, the discipline/major field of geography with the entire data base for each study.

Of particular import to the reader is noting the size of the sample on which each percentage or dollar value is based. The smaller the number in the group, the greater the effect of extreme scores on a descriptive statistic such as the average. It should be noted also that any large disparity in the sample sizes between the "baseline year" of 1983-84 and the "trend year" of 1986-87 will lessen the reliability and validity of any conclusions that one might make based on a simple comparison of averages.



NEW **ASSO** ASST ASST PROF PROF PROF **PROF** INSTRUCTOR ALL RANKS SALARY NUM N/IN PUBLIC, 1983-84: **GEOGRAPHY** AVERAGE 78 SALARY: 33228 148 58 7 27721 394 26804 128 63 22155 106 52 23835 6 18750 12 8 FAC MIX PCT: 0.38 0.32 0.27 0.02 0.03 1.00 SALARY FACTOR: 1.00 0.99 0.98 1.03 1.03 1.08 ALL MAJOR FIELDS AVERACE SALARY: 33110 11461 27177 11328 22634 10381 22154 1290 18126 3442 26895 36612 167 FAC MIX PCT: 0.31 0.31 0.28 0.04 0.09 1.00 PUBLIC, 1986-87: **GEOGRAPHY ▶VERAGE** SALARY: 39912 185 82 65 10 33464 443 31233 150 66 26013 96 49 25373 15 12 21555 12 FAC MIX PCT: 0.42 0.34 0.22 0.03 0.03 1.00 SALARY FACTOR: 0.99 0.95 0.96 0.97 1.00 1.02 ALL MAJOR FIELDS **AVERAGE** SALARY: 40113 13035 32670 38815 167 32782 11510 27174 10781 26216 1487 21478 3489 FAC MIX PCT: 0.34 0.30 0.28 0.04 0.09 1.00 PRIVATE, 1983-84: **GEOGRAPHY** AVERAGE **SALARY: 35815** 32 16 28621 25 14 22268 16 13 21000 1 18250 2 2 30058 75 23 FAC MIX PCT: 0.43 0.33 0.21 C.01 0.03 1.00 SALARY FACTOR: 1.05 1.08 1.03 0.98 1.03 1.13 ALL MAJOR FIELDS **AVERAGE SALARY: 34211** 6450 26502 6767 21689 21369 856 17673 1744 26553 21861 235 6900 FAC MIX 0.30 PCT: 0.31 0.32 0.04 0.08 1.00 PRIVATE, 1986-87: **GEOGRAPHY AVERAGE SALARY: 40896** 73 21 32 16 32622 22 11 25842 18 13 21100 2 2 20000 1 1 34404 FAC MIX PCT: 0.44 0.30 0.25 1.00 0.03 0.01 SALARY FACTOR: 1.01 0.95 1.09 1.05 1.01 0.84 ALL MAJOR FIELDS **AVERAGE** SALARY: 40330 7187 31548 23292 235 31212 7199 25205 1173 20959 25583 7269 1637 FAC MIX 0.07 PCT: 0.31 1.00 0.31 0.31 0.05



#### RESULTS OF THE TWO PUBLIC (AASCU) STUDIES, 1983-84 AND 1986-87

In the PUBLIC 1983-84 salary study in the above table, the reader may note that the discipline/major field of geography was reported in 78 of the 167 public (AASCU) institutions. The average salary of the 394 faculty was \$27,721. This average salary was approximately 3 percent (1.03) higher than the average salary of \$26,895 for all 36,612 faculty in ALL MAJOR FIELDS in the 1983-84 public study.

In the PUBLIC 1986-87 salary study in the above table, the discipline/major field of geography was reported in 82 of the same 167 public (AASCU) institutions. The average salary of the 443 faculty was \$33,464. This average salary was approximately 2 percent (1.02) higher than the average salary of \$32,670 for all 38,815 faculty in ALL MAJOR FIELDS in the 1986-87 public study.

The increase in average salaries for all faculty in geography after three years in the public institutions studied was 20.7 percent (\$33,464 minus \$27,721 equals \$5,743). The CPI of increased cost-of-living between October 1983 and October 1986 was 9.2 percent. A more realistic increase, therefore, in average faculty salaries over the three-year time period is 11.5 percent or an average of 3.8 percent each year above the cost-of-living.

The increase in average salaries for all faculty in ALL MAJOR FIELDS after three years in the public institutions studied was 21.5 percent (\$32,670 minus \$26,895 equals \$5,775). In comparison to the discipline/major field of geography (20.7%), therefore, the faculty in ALL MAJOR FIELDS increased their salaries by 0.8 percent (21.5% minus 20.7% equals 0.8%) more than faculty in the discipline/major field of geography.

The reader may note that the faculty mix percentage in geography is higher at the professor rank than at the assistant professor rank in both the public studies: 0.38 vs 0.27 (1983-84) and 0.42 vs 0.22 (1986-87), respectively.



The differences in faculty mix percentage at the ranks of professor and assistant professor in ALL MAJOR FIELDS for both public studies are as follows: 0.31 vs. 0.28 (1983-84) and 0.34 vs. 0.28 (1986-87), respectively. In other words ALL MAJOR FIELDS has a lower percentage of professors and a higher percentage of assistant professors compared to geography in both of the public studies.

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Finally, the hiring rate of new assistant professors in geography was less than for ALL MAJOR FIELDS in the 1983-84 public study, 1.8 percent (7/394) vs. 3.5 percent (1,290/36,612), respectively. Also, the hiring rate of new assistant professors in geography in 1986-87 was 3.4 percent (15/443) vs. 3.8 percent (1,487/38,815) in ALL MAJOR FIELDS that same year. In other words the hiring rate of new assistant professors in geography was less than for ALL MAJOR FIELDS in both the public studies of 1983-84 and 1986-87.

#### RESULTS OF THE TWO PRIVATE STUDIES, 1983-84 AND 1986-87

In the PRIVATE 1983-84 salary study in the above table, the reader may note that the discipline/major field of geography was reported in 23 of the 235 private institutions. The average salary of the 75 faculty was \$30,058. This average salary was approximately 13 percent (1.13) higher than the average salary of \$26,553 for all 21,861 faculty in ALL MAJOR FIELDS in the 1983-84 private study.

In the PRIVATE 1986-87 salary study in the above table, the discipline/major field of geography was reported in 21 of the same 235 private institutions. The average salary of the 73 faculty was \$34,404. This average salary was approximately 9 percent (1.09) higher than the average salary of \$31,548 for all 23,292 faculty in ALL MAJOR FIELDS in the 1986-87 private study.



The increase in average salaries for all faculty in geography after three years in the private institutions studied was 14.5 percent (\$34,404 minus \$30,058 equals \$4,346). The CPI of increased cost-of-living between October 1983 and October 1986 was 9.2 percent. A more realistic increase, therefore, in average faculty salaries over the three-year time period is 5.3 percent or 1.8 percent each year above the cost-of-living.

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The increase in average salaries for all faculty in ALL MAJOR FIELDS after three years in the private institutions studied was 18.8 percent (\$31,548 minus \$26,553 equals \$4,995). In comparison to the discipline/major field of geography (14.5%), therefore, the faculty in ALL MAJOR FIELDS increased their salaries by 4.3 percent (18.8% minus 14.5% equals 4.3%) more than faculty in the discipline/major field of geography.

In the discipline/major field of geography, the reader may note that the faculty mix percentage at the professor rank is more than at the assistant professor rank in the private studies: 0.43 vs. 0.21 (1983-84), respectively; and 0.44 vs. 0.25 (1986-87), respectively. This is quite different from ALL MAJOR FIELDS for both private studies: 0.30 vs. 0.32 (1983-84), respectively; and 0.31 vs. 0.31 (1986-87), respectively. In other words ALL MAJOR FIELDS has a lower percentage of professors and a higher percentage of assistant professors compared to geography in both private studies.

Finally, the reader may note that the hiring rate of new assistant professors in geography in the private studies was less than the hiring rate in ALL MAJOR FIELDS both in 1983-84, 1.3 percent (1/75) vs. 3.9 percent (856/21,861), respectively, and in 1986-87, 2.7 percent (2/73) vs. 5.0 percent (1,173/23,292), respectively.



#### CONCLUDING REMARKS

This article presented salary-trend information on the academic discipline/major field of geography and compared that information with 43 other academic disciplines/major fields over a period of three years: the "baseline year" of 1983-84 through the "trend year" of 1986-87. Two studies, one for public (AASCU) institutions, and the other for private institutions were conducted for the baseline year and for the trend year—a total of four studies. A total of 985 faculty in the discipline/major field of geography participated and were included in the overall total of 120,580 faculty in all 44 disciplines/ major fields in all four studies. The same 167 public (AASCU) institutions and the same 235 private institutions in the United States participated in the baseline year and the trend year.

Although many interpolations and extrapolations of the data may be made, a few of the more important ones are as follows. First, the average faculty salary in the discipline/major field of geography is currently (1986-87) some 2 and 9 percent above the overall average faculty salary of the other 43 disciplines/major fields for both the public and private studies, respectively. The average faculty salary for geography in the private institutions was 10 percent more in comparison to that in the public institutions in 1983-84. The overall salary factor in the private institutions is now (1986-87) 7 percent more in comparison to that for the public institutions: 1.09 vs 1.02, respectively.

Second, the CPI of October 1986, in comparison to the CPI of October 1983, indicates that the faculty in geography, in both the public and private institutions, received overall salary increases for three years above the cost-of-living. The salary increases of the geography faculty in both the public and private institutions lagged behind those of the faculty in ALL MAJOR FIELDS during this same period by 0.8 percent and 4.3 percent, respectively.



Geography faculty in the public institutions have some catching up to do in salary in comparison to their colleagues in the private institutions.

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Third, in the discipline/major field of grography the assistant professor rank has a smaller percentage compared to the full professor rank for both the public and private studies. The full professor rank appears to be increasing at a faster rate in the public institutions, compared to the private institutions. It seems a higher percentage of new assistant professors are being hired in the public institutions in comparison to the private institutions.

Now that a rather significant data base on individual faculty member salaries has been developed, it is anticipated that additional salary-trend studies will be effected i geography, and in other disciplines/major fields, on an annual basis.

Richard D. Howe is the originator and director of the annual CUPA faculty salary studies. He is a professor of leadership and higher education, and history at Appalachian State University, Boone, North Carolina. Co-author Laurie Vong is a research analyst in the Office of Equal Opportunity Programs at Appalachian State University, Boone, North Carolina.

#### **APPENDICES:**



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<sup>1)</sup> OVERALL LIST OF SELECTED DISCIPLINES, page 10

<sup>2)</sup> LIST OF PUBLIC Participating Institutions, page 11

<sup>3)</sup> LIST OF PRIVATE Participating Institutions, page 13

#### APPENDIX A.

#### OVERALL LIST OF SELECTED DISCIPLINES

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LETTERS

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AUDIOLOGY AND SPEECH PATHOLOGY MUSIC

BUSINESS & MANAGEMENT MULTI-INTERDISCIPLINARY STUDIES

BUSINESS ADMINISTRATION AND MANAGEMENT NURSING

BUSINESS ECONOMICS PHILOSOPHY & RELIGION

CHEMISTRY PHYSICAL EDUCATION

COMMUNICATION TECHNOLOGIES PHYSICAL SCIENCES

COMMUNICATIONS PHYSICS

COMPUTER & INFORMATION SCIENCES POLITICAL SCIENCE

CURRICULUM AND INSTRUCTION PSYCHOLOGY

DRAMATIC ARTS READING EDUCATION

EDUCATION SECRETARIAL AND RELATED PROGRAMS

EDUCATION ADMINISTRATION SOCIAL SCIENCES

ENGINEERING SOCIOLOGY

FINE ARTS SPECIAL EDUCATION

FOREIGN LANGUAGES STUDENT COUNSELING AND PERSONNEL

SERVICES

TEACHER EDUCATION, GENERAL

GEOLOGICAL SCIENCES PROGRAMS

HISTORY VISUAL AND PERFORMING ARTS

HOME ECONOMICS

TOTAL: 44



GEOGRAPHY

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#### APPENDIX B.

CUPA Public (AASCU) Faculty Salary-Trend Studies: 1983-84 and 1986-87

#### Institutions Participating in Both Studies:

Alabama State University (AL) Angelo State University (TK) Appalachian State University (NC) Arkansas State University (AR) Arkanses Tech University (AR) Auburn University at Montgomery (AL) Augusta College (GA) Austin Peay State University (TN) Ball State University (IN) Black Hills State College (SD) Bluefield State College (WV) California State University, Hayward (CA) California State University, Long Beach (CA) California University of Pennsylvania (PA) Castleton State College (VT) Cayey University College (PR) Central Connecticut State University (CT) Chadron State College (NE) Christopher Newport College (VA) Clarion University of Pennsylvania (PA) College of Staten Island, The (NY) College of the Virgin Islands at St. Croix (VI) College of the Virgin Islands at St. Thomas (Vi) Columbus College (GA) Concord College (WV) Coppin State College (MD) Delta State University (MS) Dickinson State College (ND) East Central University (OK) East Tennessee State University (TM) East Texas State University at Texarkana (TX) Eastern Connecticut State University (CT) Eastern Montana College (MT) Edinboro University of Pennsylvania (PA) Fitchburg State College (MA) Florida Atlantic University (FL) Fort Hays State University (KS) Francis Marion College (SC) Frostburg State College (MD) George Mason University (VA) Georgia College (GA) Georgia Southern College (GA) Glenville State College (WV) Grambling State University (LA) Grand Valley State College (MI) Harris-Stove State College (NO) Henderson State University (AR)

Idaho State University (ID) Illinois State University (IL) Indiana State University (IN) Jacksonville State University (AL) James Madison University (VA) John Jay College of Criminal Justice (NY) Keene State College (NH) Kennessw College (GA) Lake Superior State College (MI) Lewis Clark State College (ID) Mansfield University (PA) Marshall University (WV) Mary Washington College (VA) Mayville State College (ND) Memphis State University (TN) Metropolitan State College (CO) Middle Tennessee State University (TN) Midwestern State University (TX) Millersville University (PA) Minot State College (ND) Mississippi University for Women (MS) Missouri Southern State College (MO) Missouri Wastern State College (MO) Montana College of Mineral Science and Technology (MT) Murray State University (XY) North Carolina Agricultural and Technical State University (NC) Northeast Louisiana University (LA) Northeast Missouri State University (MO) Northern Arizona University (AZ) Northern Illinois University (IL) Northern Kentucky University (KY) Northern State College (SD) Northwest Missouri State University (MO) Oakland University (MI) Old Dominion University (VA) Pan American University (TX) Peru State College (NE) Pittsburg State University (KS) Plymouth State College (NH) Radford University (VA) Saginaw Valley State College (MI) Sales State College (MA) Sangamon State University (IL) Shepherd College (WV) Shippensburg University (PA)



### Participating Institutions (continued):

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Slippery Rock University (PA) South Dakota School of Mines & Technology (SD) Southeast Missouri State University (MO) Southeastern Louisiana University (LA) Southeastern Massachusetts University (MA) Southern Arkansas Univer: ty (AR) Southern Oregon State College (OR) Southern Utah State College (UT) Southwest Missouri State University (MO) Southwest State University (191) Southwestern Oklahoma State University (CK) St. Cloud University (HN) State University of New York College at Brockport (NY) State University of New York College at Buffalo (NY) State University of New York College at Cortland (NY) State University of New York College at Fredonia (NY) State University of New York College at Geneseo (NY) Stephen F. Austin State University (TX) Tennessee Technological University (TN) Texas A&I University (TX) Texas A&M University at Galveston (TX) Texas Woman's University (TX) Towson State University (MD) 1roy State University (AL) University of Akron, The (OH) University of Central Arkansas (AR) University of Colorado at Colorado Springs (CO) University of Colorado at Denver (CO) University of Maine at Farmington (ME) University of Maine at Fort Kent (ME) University of Montevallo (AL) University of Nebraska at Omeha (NE) University of Nevada, Las Vegas (NV) University of North Carolina at Asheville (NC) University of North Carolina at Charlotte (NC) University of North Florida (FL) University of Northern Iowa (IA) University of Science and Arts of Oklahoma (OK) University of South Alabama, The (AL) University of South Carolina - Aiken (SC) University of South Carolina at Spartanburg (SC) University of Southern Colorado (CO) University of Southern Mississippi (MS) University of Southwestern Louisiana (IA) University of Tennessee at Chattanooga (TN) University of Tennessee at Martin, The (TN) University of Texas at Dallas, The (TX) University of Texas at San Antonio (TX) University of Texas at Tyler, The (TX) University of Texas of the Permian Basin (TX) University of Wisconsin-- Eau Claire (WI) University of Wisconsin--Green Bay (WI)

University of Wisconsin--La Crosse (WI) University of Wisconsin--Platteville (WI) University of Wisconsin--Stevens Point (WI) University of Wisconsin--Superior (WI) University of Wisconsin--Oshkosh (WI) Valdosta State College (GA) Wayne State College (NE) Weber State College (UT) West Georgia College (GA) West Texas State University (TX) West Virginia College of Graduate Studies (WV) West Virginia Institute of Technology (WV) Western Connecticut State University (CT) Western Illinois University (IL) Western Kentucky University (KY) Western Michigan University (MI) Western New Mexico University (194) Western Oregon State College (OR) Western State College of Colorado (CO) Wichita State University, The (KS) William Paterson College of New Jersey (NJ) Winston-Salem State University (NC) Youngstown State University (OH)

**TOTAL: 167** 

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#### APPENDIX C.

CUPA Private (AASCU) Faculty Salary-Trend Studies: 1983-84 and 1986-87

#### Institutions Participating in Both Studies:

Abilene Christian University (TX)

Albertus Megnus College (CT)

Albion College (NI)

Alfred University (NY)

Alma College (MI)

American College, The (PA)

American University, The (DC)

Anna Maria College (MA)

Aquinas College (MI)

Arkansas College (AR)

Asbury College (KY)

Augsburg College (NN)

Aurora University (IL)

Averett College (VA)

Avila College (MO)

Azusa Pacific University (CA)

Babson College (MA)

Bard College (MY)

Barnard College (NY)

Barry University (FL)

Beaver College (PA)

Bellarmine College (KY)

Benedictine College (KS)

Bethune-Cookman College (FL)

Biola University (CA)

Birmingham-Southern College (AL)

Bishop College (TX)

Boston College (MA)

Boston University (MA)

Bradley University (IL)

Briar Cliff College (IA)

Bridgewater College (VA)

Bryant College (RI)

Bryn Mawr College (PA)

**Bucknell University (PA)** 

Butler University (IN)

Canisius College (NY)

Capital University (OH)

Carroll College (MT)

Catawba College (NC)

Cedar Crest College (PA)

Cedarville College (OH)

Centenary College (NJ)

Central College (IA)

Central Wesleyan College (SC)

Christian Brothers College (TN)

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Clark University (MA)

Cogswell Polytechrical College (CA)

College of Idaho, The (ID)

College of Hount Saint Vincent (NY)

College of New Rochelle (NY)

College of Notre Dese (CA)

College of Saint Elizabeth (NJ)

College of St. Scholastica (MM)

College of the Holy Cross (MA)

College of Wooster, The (CH)

Columbia College (MO)

Concordia College (MI)

Cooper Union for the Advancement of

Science and Art, The (NY)

D'Youville College (NY)

Defiance College, The (OH)

Depaul University (IL)

DePauw University (IN)

Dickinson College (PA)

Doane College (ME)

Dordt College, Inc. (IA)

Drake University (IA)

Drew University (NJ)

Eastern College (PA)

Eckerd College (FL)

Elmhurst College (IL)

Emory & Heary College (VA)

Erskine College (SC)

Ferrum College (VA)

Findlay College (OF)

Fontbonne College (NO)

Fordham University (NY)

Franklin and Marshall College (PA)

Furman University (SC)

Gannon University (PA)

George Washington University, The (DC)

Georgetown University (DC)

Gonzaga University (WA)

Graceland College (IA)

Greensboro College (NC)

Guilford College (NC)

Hamline University (MN)

Hartwick College (NY)

Hawaii Loa College (HI) Heidelberg College (CH)

Hood College (MD)

Hope College (MI)

Huntington College (IN)



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#### Participating Institutions, continued:

Morwich University (VI) Husson College (ME) Huston-Tillotson College (TX) Ohio Northern University (OH) Illinois Benedictine College (IL) Oklahoma Baptist University (OK) Ottawa University (KS) Illinois College (IL) Immaculata College (PA) Otterbein College (OH) Our Lady of the Holy Cross College (LA) Iona College (NY) Ithaca College (NY) Palm Beach Atlantic College (FL) Parks College (NO) John Brown University (AR) Pikeville College (KY) Jc? a Carroll University (OH) Johns Howkins University (MD) Presbyterian College (SC) Queens College (NC) Johnson C. Smith University (NC) Quincy College (IL) Kansas Wesleyan (KS) Kenyon Collega (OH) Reed College (OR) Regis College (MA) King's College (PA) La Roche College (PA) Rider College (KJ) Ripon College (WI) Le Tourneau College (TX) Lincoln Memorial University (TN) Rockford College (IL) Loyola College in Maryland (MD) Rockhurst College (MO) Sacred Heart College (NC) Lubbock Christian College (TX) Saint John's University (MN) Luther College (IA) Saint Joseph College (CT) Lycoming College (PA) Saint Joseph's College (IN) Lynchburg College (VA) Saint Mary College (KS) Malone College (OH) Manhattanville College (NY) Saint Paul's College (VA) Saint Vincent College (PA) Marist College (NY) Saint Xavier College (IL) Mary Baldwin College (VA) Sales College (P' Marymount College (NY) Marymount Menhattan College (NY) Scarritt Graduate School (TN) Maryville College (TN) School of the Ozarks, The (MO) Marywood College (PA) Seattle University (WA) Mercy College (NY) Mercy College of Detroit (MI) Seton Hill College (PA) Siena College (NY) Meredith College (NC) Siena Heights College (MI) Merrimack College (NA) Millikin University (IL) Simpson College (IA) Sioux Falls College (SD) Molloy College (NY) Southern California College (CA) Monmouth College (NJ) Southern Methodist University (TX) Moravian College (PA) Southwestern College (KS) Morningside College (IA) Spalding University (KY) Morris Brown College (GA) Springfield College (MA) Mount Mary College (WI) St. Bonaventure University (NY) Mount Marty College (SD) St. Francis College (NY) Mount Saint Clare College (IA) Mount Saint Mary's College (MD) St. Mary's University (TX) St. Norbert College (WI) Mount Vernon College (DC) Suffolk University (MA) Muskingum College (CH) Nazareth College (MI) Sweet Briar College (VA) Syracuse University (NY) Nezareth College of Rochester (NY) Taylor University (IN) Neumann College (PA) Texas Christian University (TX) North Central College (IL) Texas Lutheran College (TX) Northwestern College (IA) Northwestern College (HM)



#### Participating Institutions, continued:

Transylvania University (KY) Tri-State University (IN) Trinity College (DC) Trinity College (VI) Trinity University (TX) University of Dayton (OH) University of Dubuque, The (IA) University of La Verne (CA) University of Missi (FL) University of Portland (OR) University of San Diego (CA) University of Screnton (PA) University of the South, The (TN) University of Tulsa (OK) Ursuline College (OH) Valparaiso University (IN) Villa Maria College (PA) Virginia Union University (VA) Viterbo College (WI) Wabash College (IN) Wagner: College (NY) Walsh Scilege (OH) Warner Pacific College (OR) Washington and Jefferson College (PA) Washington and Lee University (VA) West Virginia Wesleyan College (WV) Western Maryland College (MD) Westmar College (IA) Westminster College of Salt Lake City (UT) Whitman College (WA) Whittier College (CA) Widener University (PA) William Jewell College (MO) William Marsh Rice University (TX) William Penn College (IA) Wilmington College (CH) Wilson College (PA) Wittenburg University (OH) York College of Pennsylvania (PA)

#### TOTAL: 235