

MEMORANDUM

To: Board of Regents
From: Board Office
Subject: Report on Regent University Collaboration/Cooperation
Date: May 6, 2002

Recommended Action:

Receive the report on Regent university collaboration/cooperation.

Executive Summary:

Periodic Report Required Section 6.28 of the Regent *Policy Manual* requires that the three Regent Universities periodically report on interinstitutional cooperation or collaboration.

Types of Collaborative Efforts Ninety-five (95) projects are listed which involve two or more of the Regent universities. The projects range from sharing lectures to some very complex joint ventures.

The majority of the collaborative efforts relate to Teaching, with the remaining efforts relating to Research, Service and Administration.

The University of Iowa participates in 82 of these collaborative efforts; Iowa State University in 87; and the University of Northern Iowa in 61. While these numbers reflect increases over those reported in 2000 (the last previous report), much of the increase is attributable to improved reporting.

Institution Participation

SUI		ISU		UNI	
2000	2002	2000	2002	2000	2002
44	82	52	87	50	61

The chart below lists the 2002 projects and participating institutions. A narrative that describes each of the projects follows the chart.

Regents Report on Collaborative/Cooperative Interinstitutional Projects

	SUI	ISU	UNI
1. Adult Children and Aging Parents	X	X**	
2. Ag-Based Industrial Lubricants (A.B.I.L.)		X	X**
3. AgriWellness	X	X**	
4. BS Applied Physics/Engineering Dual-Degree Program	X**	X	X
5. Bachelor of Liberal Studies Degree; BLS Across Iowa	X	X	X
6. BLS Across Iowa	X	X	X
7. BASICS grant		X	X**
8. Biotechnology Byproducts Consortium/ISU Center for Sustainable Environmental Technologies	X	X**	
9. Botanical Dietary Supplements Center Grant (NIH)	X	X**	
10. Camp Adventure Youth Services	X	X	X**
11. Center for Biocatalysis and Bioprocessing	X**	X	
12. Chinese Waste Exchange		X	X**
13. Collaborative efforts among the three Graduate Deans to enhance minority recruitment	X	X	X
14. College of Public Health joint MPH programs	X**	X	X
15. College of Public Health Summer Institute	X**		X
16. Collegiate Entrepreneurs Iowa Conference	X	X	X
17. Community College Day	X	X	X**
18. Des Moines Higher Education Center	X	X	X
19. Distance Education Offerings:			
• Bachelor of Liberal Studies external degree programs: BLS and BLSAI	X	X	X
• BLS to seven community colleges (DCE/CLAS)	X	X	X
• Cooperative web site	X**	X	X
• Development of complementary Engineering elective course offerings a senior undergraduate and graduate levels via web, ICN and classroom	X	X	
• Educational Administration	X**	X	
• Graduate course exchange (Civil Engineering)	X	X	
• MA in School Psychology	X		X**
• REEES (Russian, East European, Eurasian Studies) Distance Learning Consortium	X	X	X
• Regents Endorsement Program in Special Education	X	X	X
20. Educational Administration Faculty Teaching Exchange	X**	X	
21. Employment Policy Group with funding from a Healthy and Ready to Work grant	X	X	
22. Engineering Colleges Initiatives:			
• Annual Iowa Distinguished Faculty in Engineering Joint Lecture between campuses	X	X	
• Deans Policy Forum/Congressional Offices Briefing	X	X	
• Engineering research on characterization of membrane components and bacterial physiology of organisms from deep-sea pressure environments (NASA)	X	X**	
• Engineering research on corn stove conversion to liquid substrate	X	X**	
• Engineering research on digital humans and virtual reality in support of future combat systems	X**	X	
• Engineering research on developing a model for analyzing human motion in a space shuttle	X**	X	
• Engineering research on developing an optimization-based layout design for Deere & Co.	X**	X	
• Engineering research on developing models for predicting high-resolution maps of daily soil erosion in the state of Iowa	X	X**	
• Engineering research on development of functional genomics in pigs: transcriptional profiling and EST annotation	X	X**	
23. EPA, EMAP Symposium with the Iowa Council of State Governments	X	X	
24. Evaluation of Advanced Placement	X**	X	
25. Executive Engineer Dual Master's Degree Program	X	X	

	SUI	ISU	UNI
26. Family Development and Self Sufficiency Program	X	X	X
27. Farm *A* System		X**	X
28. FastTrac Entrepreneur Consortium	X		X
29. Fatherhood		X**	X
30. GAIN Workshop/John Deere Fachlochshule, Mannheim, Germany	X	X**	
31. Geographical Alliance of Iowa	X		X**
32. Global Health Corps	X		X**
33. Graduate Center in Council Bluffs, Quad Cities and Sioux City	X	X	X
34. Heartland Technology (CIRAS at ISU; SMS at UNI)		X	X
35. Hybrid Thermal/Biological Conversion to Industrial Chemicals	X	X	
36. IDA, "Iowa Saves" Program	X**	X	
37. Institute for Social and Behavioral Research	X	X**	
38. Integrated Pest Management Training for Iowa's public schools	X	X	
39. Integrated Roadside Vegetation Management (DOT & DNR)		X	X**
40. Inter-Iowa Genetics Research Symposium	X	X	
41. Invent Iowa! State Invention Convention	X	X	
42. Iowa Alliance for Graduate Education and the Professorate	X	X	X
43. Iowa Biotechnology Association	X	X	X
44. Iowa Business Council	X	X	X
45. Iowa Center for Agricultural Safety and Health (I-CASH)	X**	X	
46. Iowa Center for Public Health Preparedness	X**	X	
47. Iowa College Media Association	X	X	X
48. Iowa Concentrated Animal Feeding Operations Air Quality Study	X	X	
49. Iowa Consortium for Substance Abuse Research and Evaluation	X**		X
50. Iowa Department of Transportation Contract: Thin Maintenance Surfaces—Phase II	X	X	
51. Iowa Energy Center	X	X**	X
52. Iowa General Chemistry Network	X	X	X
53. Iowa Geriatric Education Center	X**	X	X
54. Iowa Industry & da Vinci Conference	X	X	
55. Iowa Jump\$tart Coalition for Youth Financial Literacy		X	X
56. Iowa Lakeside Laboratory	X	X	X
57. Iowa Mathematics and Science Coalition	X		X**
58. Iowa Practice Research Collaborative	X**	X	X
59. Iowa Recognition for Performance Excellence Program	X	X**	
60. Iowa Regents Fellowship Program	X	X	X
61. Iowa Rural Development Council	X	X	X
62. Iowa Space Grant Consortium	X	X**	X
63. Iowa State Water Resources Research Institute	X	X**	
64. Iowa Transportation Research Collaboration	X	X	X
65. Iowa Venture Capital Conference	X	X	X
66. Iowa Waste Reduction Center		X	X**
67. John Pappajohn Entrepreneurial Center	X	X	X
68. John Pappajohn New Venture Business Plan Competition	X	X	X
69. Krause Challenge	X	X	X
70. Leopold Center for Sustainable Agriculture	X	X**	X
71. Local Food Project		X**	X
72. Master's Degree in Transition: Educators of Students with Severe Disabilities	X		X
73. Membership on new Mississippi Riverside Environmental Research Station Advisory Board	X**	X	
74. Midwest Transportation Consortium		X	X
75. National Engineers Week State Legislative Breakfast	X	X	
76. National Engineers Week State Middle School, Jr. High, High School, Pre-service Teachers ICN Workshop	X	X	
77. Optimization-Based Ergonomics Design in Virtual Reality	X	X	
78. Paper or Plastic?	X**	X	
79. Reading Recovery Center of Iowa	X	X	X

	SUI	ISU	UNI
80. Recycling / Reuse Technology Transfer Center	X	X	X**
81. Regents' Center for Early Developmental Education	X	X	X**
82. Regents Universities Libraries Cooperative Activities:			
• Interinstitutional Library Resource Sharing Program	X	X	X
• Interinstitutional Task Force on Scholarly Communication	X**	X**	X
• Interinstitutional Task Force on Cooperative Reference and Instructional Services	X**	X	X
• Interinstitutional Collection Management Council	X	X	X**
• Interinstitutional Library Committee	X**	X	X
• Interinstitutional Interlibrary Loan Program	X	X	X
• Interinstitutional Information Technologies Council	X	X	X**
• Interinstitutional Preservation Program	X	X	X
83. Risk Analysis of Manure Management Systems: Normal Practices, Normal Accidents and Impacts on Water Quality		X	X
84. Romanian Public Health Study	X**		X
85. Small Business Compliance Alliance		X**	X
86. Small Business Development Center	X	X**	X
87. Southwest Iowa Regents Resource Center – Council Bluffs	X	X	X
88. State Science & Technology Fair of Iowa	X	X**	X
89. Study Abroad Programs:			
• Iowa Hispanic Institute	X		X
• Iowa Regents Semester in Australia	X	X	X
• Iowa Regents Semester in Ireland	X	X	X
• Iowa Regents Semester in Wales	X	X	X
• Iowa Regents Summer Program in France	X	X	X
• Iowa Regents Summer Program in Venezuela	X	X	X
90. SUI College of Medicine/ISU Veterinary Medicine Collaborative Grants	X	X	
91. SUI/ISU Interdisciplinary Pilot Research in Nutritional Science	X	X	
92. SUI Medical Imaging Group/ISU Center for Nondestructive Evaluation	X	X	
93. SUI National Advanced Driving Simulator/ISU Virtual Reality Applications Center	X	X	
94. Summer Honoraria for Faculty Graduate Study	X	X	X
95. The 21 st Century Learning Infrastructure	X	X	X**

** = lead institution

1. Adult Children and Aging Parents

Adult Children and Aging Parents: Conversations between Generations is a series of educational programs about family decisions and relationships in later life. Topics are designed to be combined in a series of two or three workshops for either adult children or older parents.

2. Ag-Based Industrial Lubricants (ABIL)

This project originated as a memorandum of understanding between the Center for Crops Utilization Research (CCUR) at Iowa State University and the ABIL Research Program at UNI in 1995. The purpose of the project is to assure funding agencies of a continuing cooperative relationship and to assure the Iowa Commodity Boards and others that duplication will be avoided.

3. AgriWellness

A national project funded by USDA, to help farm families that are affected by disabilities stay in farming. Twenty-six states, including Iowa, participate in this project. ISU Extension has received funding since 1991, in a collaborative effort with Easter Seals of Iowa.

4. **BS Applied Physics/Engineering Dual-Degree Program**
This is a program that enables a UNI student to begin their education in physics, transfer to either the SUI or ISU in engineering, and earn a B.S. degree in physics from UNI and a B.S. degree in engineering from either SUI or ISU.
5. **Bachelor of Liberal Studies Degree**
The Bachelor of Liberal Studies program is offered by each of Iowa's three Regent universities to serve adults whose job, family, geographic location, or other personal circumstances prevent them from attending college as full-time, on-campus students. The BLS program has no residence requirements.
6. **BLS Across Iowa**
The BLS Across Iowa is a cooperative effort among SUI, ISU and UNI to offer a bachelor's degree-completion program to students across Iowa who have completed the Associate of Arts degree or have earned at least 62 semester hours of credit. Using the ICN as the primary delivery vehicle, 45 credit hours will be delivered to selected sites over a three-year period (fall 01 - summer 04) with the remainder of the needed hours available via correspondence or www--based study. Each of the universities is providing 15 credit hours. Students can choose from which of the three institutions they wish to earn the degree.
7. **BASICS Grant**
BASICS grants are funded with USDA funds through the State Department of Public Health. The program funds a variety of projects by community nutrition groups.
8. **Biotechnology Byproducts Consortium/Center for Sustainable Environmental Technologies**
The consortium was formed to combine the expertise of the City of Cedar Rapids and faculty at the SUI and ISU to tackle treatment of agricultural and food-processing byproducts. The consortium studies conversion of raw materials to value-added products, assisting several Iowa-based industries.
9. **Botanical Dietary Supplements Center Grant (NIH)**
A five-year, NIH grant award allows professors at ISU and SUI to focus on the identification and characterization of Hypericum and Echinacea and their active constituents and the elucidation of their mechanisms. Multidisciplinary teams will perform the research. Collaborations among botanists, chemists from ISU and SUI, and pharmacologists from SUI will yield important new results.
10. **Camp Adventure Youth Services**
Camp Adventure Youth Services is a student-run organization that blends theory and practice in the delivery of programs and services to children and youth. Located at UNI, Camp Adventure Youth Services offers students an opportunity to plan and implement model school-age services and youth development programs, develop leadership and management skills, enhance one's global awareness and promote cultural sensitivity.
11. **Center for Biocatalysis and Bioprocessing**
Faculty at the SUI Center for Biocatalysis and Bioprocessing (CBB), working collaboratively with ISU faculty, promote technology transfer, research development, and education and training through the study of food and feed ingredients, pharmaceuticals, anti-cancer therapeutics, pathogens, engineered organisms, anti-insect vectors, enzymes, and industrial biochemicals. In addition, the CBB offers fellowships in biotechnology that are funded by grants from the National Science Foundation, National Institute of General Medical Sciences, National Institutes of Health and the CBB with funding from the State of Iowa. The CBB awards the fellowships to doctoral students in biochemistry, biological sciences, chemical and biochemical engineering, chemistry, civil and environmental engineering, medicinal and natural products chemistry, and microbiology.

12. Chinese Waste Exchange

Joint effort between UNI's Center for Energy and Environmental Education and ISU to meet with four visitors from China. The Chinese visitors were very interested in the activities of the Iowa Waste Reduction Center (IWRC), and how such a system could be established in China. They have indicated a desire to have a staff member visit China to aid in setting up a small business environmental assistance program.

13. Collaborative Efforts among Graduate Deans -- Minority Recruitment

The graduate colleges at the three Regent institutions work together on issues of minority access to graduate education through: 1) an informal name exchange of undergraduate students, 2) cooperative visits by groups of students from minority serving institutions, 3) referrals of students completing Masters degrees at UNI to SUI doctoral programs, and 4) regular communication among the staff of all three institutions.

14. College of Public Health Joint MPH Programs

SUI held discussions with both ISU and UNI relative to setting up joint MPH degree programs. Committees have been organized at each university to work on facilitating the development of the joint degrees. SUI is discussing a joint degree, the DVM-MPH, with ISU and two joint, or at least collaborative, degrees with UNI--one in community health education and the other in environmental health.

15. College of Public Health Summer Institute

The SUI College of Public Health Summer Institute provides an opportunity for students to take core public health courses in a concentrated time frame to make it more feasible to complete degree requirements in a reasonable timeframe. It is intended to primarily serve students currently enrolled in on-campus degree programs (especially those dual degree programs such as the MD/MPH), students in medical residency programs who are pursuing the MPH, and any future programs to be established between SUI, ISU, and UNI.

16. Collegiate Entrepreneurs Iowa Conference

The UNI John Pappajohn Entrepreneurial Center was pleased to be a co-sponsor for the first Collegiate Entrepreneurs Iowa Conference. The conference allowed student entrepreneurs to learn from and work with each other, as well as learn from experienced entrepreneurs. Other sponsors for the event were the Pappajohn Centers at North Iowa Area Community College, SUI and ISU, and Drake University, Collegiate Entrepreneurs Organization (CEO), Kauffman Center for Entrepreneurial Leadership, the Coleman Foundation, Northwestern Mutual, Exseed Genetics, Wal-Mart, and the ISU Entrepreneur Club.

17. Community College Day

Each of the Regents' universities alternate hosting an annual articulation conference for Iowa community college advisory staff and faculty. The purpose of the articulation conference is to bring together faculty from all three Regent universities and all community colleges to discuss issues common to each. The community college academic deans select topics.

18. Des Moines Higher Education Center

Collaborative model for the delivery of graduate and undergraduate courses and programs to address the learning and training needs of the Greater Des Moines Community.

19. Distance Education Program Offerings

Various collaborative efforts utilizing distance education technology are reported. A cooperative web site was developed this past year to identify all distance education programs, courses and services offered collaboratively by each institution.

20. **Educational Administration Faculty Teaching Exchange**
SUI and ISU have developed an exchange program where each institution offers a course to students enrolled at the other or both institutions. Professor Bartlett has used the ICN to teach an on-campus law course to distant students on the ISU campus and at other sites they deliver to. This is the second year for his participation and an instructor from ISU taught on-campus here last fall. The Colleges of Education at SUI and ISU established an exchange of Professors of Educational Administration for the purpose of enhancing institutional cooperation, utilizing existing faculty resources on each campus to assist in the preparation of K-12 educational administrators and working cooperatively to enhance the effectiveness of both programs.
21. **Employment Policy Group with funding from a Healthy and Ready to Work grant**
A sociological investigation of characteristics of employed, underemployed, and unemployed workers; community needs for labor; and the collaboration of state and local public and private agencies to assess labor market conditions in Iowa. SUI and ISU have collaborated on this project.
22. **Engineering Colleges Initiatives**
The Colleges of Engineering at SUI and ISU collaborate regularly on projects such as research grants and the offering of joint lectures and workshops.
23. **EPA, EMAP Symposium with the Iowa Council of State Governments**
This initiative is an ISU subcontract with the Council of State Governments that involves developing workshops on socioeconomic issues of state and local governance. SUI and ISU faculty conduct the work.
24. **Evaluation of Advanced Placement**
SUI and ISU, in cooperation with the Department of Education and the APEX Learning Corporation, have created an on-line version of the advanced placement (AP) exam. The goal of the project is to increase the opportunity for all Iowa students to take the exam. The SUI Blank Belin Center has received federal funding to oversee the project.
25. **Executive Engineer Dual Master's Degree Program**
The program is the direct result of a request from Rockwell Collins, Inc., Cedar Rapids, and was created for engineering managers and engineers with the potential for advancement. The unique 26-month program results in two graduate degrees from two institutions: a master of engineering degree in systems engineering (MESE) from ISU and an executive master of business administration degree (MBA) from SUI.
26. **Family Development and Self-Sufficiency Program**
This statewide program operates out of the State Department of Human Rights under the State Department of Human Services. The aim of the program is to promote self-sufficiency in limited resource families by providing training programs for one-on-one work with the families. ISU staff serve on the state advisory board along with representatives from the other Regent institutions.
27. **Farm*A*Syst**
The IWRC worked with ISU on Farm*A*Syst education materials. Specifically, farm vehicle maintenance wastes were addressed and several fact sheets were developed to aid farmers with proper management of wastes from these activities.

28. FastTrac Entrepreneur Consortium

FastTrac is a comprehensive, entrepreneurship certification program for new and existing businesses. This program provides entrepreneurs with the tools, knowledge, and opportunities to take control of their business and life and allows them to establish a firm foundation on which to make future business decisions. Collaborators in this program include: the SUI, the UNI, the Iowa Department of Economic Development, the Kauffman Foundation, North Iowa Area Community Colleges, and other community colleges in Iowa.

29. Fatherhood

ISU Extension staff created the "Me & My Dad" website to assist fathers in strengthening their relationship with their children. hterns from UNI help with this effort. SUI provides subject matter support.

30. GAIN Workshop

The GAIN workshop, to be held in Germany in 2002, focuses on how to do international exchanges with both an educational and work component. ISU is coordinating the workshop with SUI participation. Twenty to forty companies and institutions will be represented.

31. Geographical Alliance of Iowa

The Geographical Alliance of Iowa (GAI), based within the Department of Geography at UNI, is the major organization working for the improvement of geographic education in Iowa schools. Directed by Professor Kay Weller of UNI's Department of Geography and College of Education, the GAI works closely with the Department of Geography and Global Studies Program at SUI.

32. Global Health Corps

The UNI Global Health Corps is a model service-learning program that improves the cultural competency of health pre-professionals while improving access to community health programs for under-served and diverse populations. Founded in 1996 and housed in the UNI Division of Health Promotion and Education, the Global Health Corps trains students in culturally competent preventive health care, who in turn serve low-income populations. Global Health Corps faculty and students conduct community health research and public health programming with refugees, immigrants, minorities, rural farm families, the homeless, seniors, and many other under-served populations in Iowa and around the world. Students may earn a 16-hour academic certificate in cross-cultural health promotion to supplement their undergraduate or graduate degrees in health education, pre-medicine, social work, and related fields. Global Health Corps also conducts cultural competency training programs for health care providers and pre-professionals throughout the Midwest, with a special focus on meeting the health needs of newcomers in rural states.

33. Graduate Centers in Council Bluffs, Quad Cities and Sioux City

The Quad Cities Graduate Study Center, established in 1969, is a 12-member academic consortium, which includes the three Regent universities, whose mission is to provide graduate-level educational opportunities to the Quad Cities area. The Tri-State Graduate Center is a consortium of colleges and universities in Iowa, Nebraska, and South Dakota. Its purpose is to facilitate the delivery of graduate education to residents of Siouxland by bringing graduate programs and other training opportunities to the immediate area so graduate-level training may be obtained without traveling to distant campuses.

34. Heartland Technology

This is a joint project to commercialize soy-based adhesives used in building material development. The ISU Research Foundation provided the soybean-based adhesive research and UNI conducted market research. It is anticipated that a facility will be constructed in Iowa to manufacture the product.

35. Hybrid Thermal/Biological Conversion to Industrial Chemicals
The ISU Center for Sustainable Environmental Technologies faculty are working collaboratively with SUI Chemical and Biochemical Engineering Department faculty to conduct research on the conversion of hybrid thermal and biological agents to be used as industrial chemicals.
36. IDA, "Iowa Saves" Program
SUI and ISU staff have collaborated to offer classes as part of the Iowa Saves Program in Des Moines. The "Making Your Money Work" curriculum was used and supplemented with other ISU materials.
37. Institute for Social and Behavioral Research
The Institute for Social and Behavioral Research (ISBR) was established to conduct research and inform policy related to health and health practices in rural Iowa. The ISBR mission has been expanded to improve the health of rural and urban people through research and application of research. Projects focus on understanding health risks, reducing those risks, and fostering effective health policies and services.
38. Integrated Pest Management Training for Iowa's Public Schools
Faculty and staff in the ISU Department of Entomology are collaborating with faculty from the SUI Center for Health Effects of Environmental Contamination (CHEEC) on a research project to expand training in integrated pest management to Iowa's public schools.
39. Integrated Roadside Vegetation Management (IRVM)
In cooperation with the Soil Conservation Service, UNI provides a county assistance office to work with Iowa counties in implementing roadside management programs on secondary roads. The IRVM program helps counties restore native grasses and plants to roadsides, a better way of controlling vegetation than the hazardous but often-used herbicides, or energy-intensive mowing.
40. Inter-Iowa Genetics Research Symposium
The symposium is a cooperative effort of scientists at SUI and ISU to build linkages in research and education relating to genetic disorders.
41. Invent Iowa! State Invention Convention
The SUI and ISU Colleges of Engineering are members of the Board of Directors of the Invent, Iowa! program through the Belin-Blank Center. The colleges support and host the state Invention Convention, held each spring on alternating Iowa City and Ames campuses. More than 300 elementary and high school students participate in the state competition annually.
42. Iowa Alliance for Graduate Education and the Professorate
The alliance includes SUI, UNI and ISU along with several historically Black colleges and universities. It is a joint grant project that will provide summer internships for students from these colleges to study in Iowa, with the hope of eventually attracting these students into graduate school at a Regents institution.
43. Iowa Biotechnology Association
The Iowa Biotechnology Association (IBA) was formed to advance opportunities in Iowa for the improvement of the human environmental and economic well being through the development and application of value-added technologies in the life sciences. Working cooperatively, the members hope to enhance the ability to commercialize new technologies in a timely manner and reduce the lead-time for deployment. Activities of the association are designed to give companies doing business in Iowa an edge in delivering timely new

products to consumers through the sharing of ideas regarding the transfer and development of technologies.

44. Iowa Business Council

The purpose of the Iowa Business Council is to focus the active personal commitment of major employers in statewide leadership roles to enhance the economic vitality of Iowa. The council identifies major issues, evaluates options and assists in implementing solutions. The resulting process is a public/private partnership.

45. Iowa Center for Agricultural Safety and Health (I-CASH)

A State of Iowa-supported program based in the Department of Occupational and Environmental Health, I-CASH is a partnership involving SUI, ISU, the Iowa Department of Public Health, and the Iowa Department of Agriculture and Land Stewardship. The Center's mission is to facilitate the coordination of and the focus of public and private resources in Iowa to establish service, education, and prevention programs that will enhance the health and safety of farm families, farm workers, and rural and agricultural community citizens in general. Furthermore, the Center facilitates the identification of, and the prioritization of agricultural health and safety issue areas, and develops statewide preventive programming.

46. Iowa Center for Public Health Preparedness

ISU Extension is working in partnership with SUI and the Iowa Department of Public Health on developing a comprehensive system and process to assess, develop and maintain a well-prepared public health work force. ISU's role is to assist in community organization and development of a "train the trainer" program.

47. Iowa College Media Association

This is a statewide association for journalism and communication educators at Iowa community colleges and journalism faculty at all Iowa colleges and universities. The association allows for presentations by students and offers a student writing competition.

48. Iowa Concentrated Animal Feeding Operations Air Quality Study

The Iowa Concentrated Animal Feeding Operations Air Quality Study, an SUI and ISU collaborative study of air quality and resident perceptions of air quality in areas located near large-scale animal feeding operations in Iowa, was mandated by Governor Vilsack and the Iowa Department of Natural Resources. It resulted in a comprehensive report and suggestions for public policies regarding large-scale animal feeding operations that was submitted to the Iowa DNR.

49. Iowa Consortium for Substance Abuse Research and Evaluation

A multicenter organization for the promotion and dissemination of research and evaluation on substance abuse and the integration of substance abuse research with public policy, prevention, and intervention practice in Iowa. Most of the Centers' researchers are affiliated with SUI, ISU, and UNI. Other representatives come from State government and private treatment programs.

50. Iowa DOT Contract: Thin Maintenance Surfaces—Phase II

Professor Jahren from the ISU Civil & Construction Engineering Department collaborates with SUI to publish findings on the effect of winter maintenance activities on thin maintenance surfaces.

51. Iowa Energy Center

The Iowa Energy Center, created by the Iowa Legislature in 1990, is administered by ISU. The Center conducts and sponsors research with the SUI and UNI on energy efficiency and conservation. It also conducts and sponsors research to develop alternate energy systems that are based upon renewable resources.

52. Iowa General Chemistry Network

The IGCN is a consortium of Iowa community colleges, private colleges, UNI, SUI and ISU. The group focuses on improving the learning and teaching of general chemistry in the first year of a college curriculum.

53. Iowa Geriatric Education Center

The Center provides basic principles and concepts of gerontological education to nurse practitioners who reside in rural areas through a web-based certificate program. It also develops pocket-sized pamphlets that review management and therapeutic issues relevant to nursing home populations. In addition, the Center provides culturally appropriate supplemental training for Hispanic nurse aids and disseminates information about possible careers in health care to minority teenagers and their parents and works to increase awareness of the need for underrepresented minorities in the health professions and the poor access of health care of many minority citizens.

54. Iowa Industry & da Vinci Conference

The SUI and ISU Colleges of Engineering play sponsoring and organizing roles in planning this annual conference to be held April 9, 2002. As an economic development measure, the event focuses on the driving forces of the New Economy and highlights best practices for spurring growth and innovation in Iowa's target industry clusters.

55. Iowa Jump\$tart Coalition for youth Financial Literacy

According to the National Jump\$tart Coalition for Personal Financial Literacy, the average student who graduates from high school lacks basic skills in the management of personal financial affairs. The coalition's mission is to increase the financial literacy of Iowa's youth. ISU Extension is a founding partner of the coalition and serves on the steering committee, and joins sixteen other partners, including UNI, in this effort.

56. Iowa Lakeside Laboratory

Since 1909, Iowa Lakeside Laboratory has been offering summer courses at its campus on the shores of West Lake Okoboji in northwest Iowa. Credit for these courses can be obtained through ISU, SUI, and UNI. Information about Lakeside and its summer courses, including an on-line registration and housing form, is found in the Iowa Lakeside Laboratory Bulletin. Lakeside also offers three kinds of programs for the general public each summer: Wild Wednesdays, Sunday Night Seminars, and Guided Nature Tours.

57. Iowa Mathematics and Science Coalition

The Iowa Mathematics and Science Coalition (IMSC) is an alliance of leaders from business and industry, education, and public policy that are working together to reform mathematics and science education in the State of Iowa. This organization, with the support of business and industry, the State Legislature, Iowa Department of Education, SUI, ISU, UNI, and area education agencies, provides the umbrella structure to focus on mathematics and science reform in the State. IMSC also works closely with other professional organizations such as the Iowa Council of Teachers of Mathematics, the Iowa Science Teachers section of the Iowa Academy of Science, the Iowa Parent Teacher Association, the Iowa Association of School Boards, the State Administrators of Iowa, and community colleges.

58. Iowa Practice Research Collaborative

The goal of this project is to develop a strategy for statewide collaboration to bridge the gap between research, policy, and the substance abuse practice field. Committees assist in defining substance abuse issues in Iowa.

59. Iowa Recognition for Performance Excellence Program

A State-level quality award program, initiated by ISU Engineering with SUI Engineering cooperation is based on the Baldrige National Quality Award Criteria. The program provides Iowa organizations an opportunity to share in the values and achievements associated with continuous quality improvement. It is now administered by the Woods Quality Center, Cedar Rapids.

60. Iowa Regents Fellowship Program

A program to stimulate scholarly initiatives among the three Regent universities, the Fellowship program offers faculty the opportunity to travel to member institutions to exchange ideas and develop collaborative projects in teaching, research and/or public service.

61. Iowa Rural Development Council

State Rural Development Councils (SRDCs) are created by the agencies and organizations that play a part in developing the rural areas of that state. As a result, federal, state, local, and tribal governments, along with the non-profit and for-profit sectors, all play an important role in the work of each State Council.

62. Iowa Space Grant Consortium

The consortium was formed by SUI, ISU, and UNI in 1990 and now includes Drake University. It conducts cooperative research for Iowa and national industry, develops K-12 school outreach efforts, and provides scholarship and fellowship awards to state of Iowa students. Cooperative activities provide seed funding for highly innovative concepts that have potential for significant return, but may be considered too risky for traditional funding.

63. Iowa State Water Resources Research Institute (ISWRRI)

ISWRRI is a multi-campus, interdisciplinary research and training program focusing on major water resources problems facing Iowa and the nation. ISWRRI's roles are to assist in the solution of water problems by providing timely research on critical water issues and to educate engineers and scientists who are needed by the private and public sectors involved in water resources planning, development and management. ISWRRI cooperates in research being conducted at all the Iowa Regent universities. This interinstitutional linkage makes the ISWRRI research program much more effective in bringing together interdisciplinary research teams from all the Iowa universities to focus on critical needs.

64. Iowa Transportation Research Collaboration

The Iowa Transportation Research Collaboration was established in March 1996 to facilitate and support transportation research for the benefit of Iowa through a collaboration of the three Regent universities and the Iowa Department of Transportation (DOT). The Regent universities assist the DOT in evaluating statewide transportation research needs and priorities and participate with the DOT in transportation-related research. The universities also help to identify needed research initiatives in such areas as traffic and safety, maintenance, construction, structures, planning and the environment, economics and finance, motor carriers, railroads and public transit. Through a university-based steering committee, the DOT and the Regent universities also consult to identify, develop and coordinate potential transportation research resources including funding, knowledge, equipment, facilities and staff.

65. Iowa Venture Capital Conference

The UNI John Pappajohn Entrepreneurial Center is a co-sponsor of the annual Iowa Venture Capital Conference focusing on entrepreneurship in Iowa. Other sponsors include Equity Dynamics, the Iowa Department of Economic Development, the Pappajohn Centers at the SUI, ISU, Drake University, and North Iowa Area Community College. Topic areas for the conference have included entrepreneurial success stories, finding financing, valuation,

exit strategies, legal considerations, and planning. Each year's conference presents the announcement of and guidelines for the annual student business plan competition.

66. Iowa Waste Reduction Center

The IWRC work with staff from the Iowa Energy Center and CIRAS on joint visits to assist small businesses. The visits bring together experts in many areas, such as production, OSHA, business planning and the environment. Recommendations are provided on environmental compliance and waste reduction.

67. John Pappajohn Entrepreneurial Center

The Entrepreneurial Management Institute was renamed the John Pappajohn Entrepreneurial Center in honor of Mr. John Pappajohn, a prominent venture capitalist who provided the funding necessary for the successful launch of the Entrepreneurial Center's numerous internal and external programs. In 1987, the College of Business at SUI created the Entrepreneurial Management Institute to highlight its intent to place greater emphasis on the growing role of general entrepreneurship beyond the boundaries of the family business. In the early 1990s, events occurred which changed the course of entrepreneurial education and practice at the SUI. These years saw the appointment of new deans in the Colleges of Business and Engineering and a new Vice President of Health Sciences (Medicine, Dentistry, Pharmacology, and Nursing). These new leaders launched a unique model in entrepreneurial education by agreeing to jointly develop, support, and utilize an entrepreneurial curriculum and open it to all students in those six schools.

68. John Pappajohn New Venture Business Plan Competition

The John Pappajohn New Venture Business Plan Competition is open to any Iowa college student who is starting a new business. Regional winners are chosen by the five Pappajohn Centers. The regional winners make presentations to John Pappajohn and his staff. Three state winners are chosen from the presentations. Each state winner receives \$5,000 to help with the start-up of the business. The competition is co-sponsored by Equity Dynamics and the Pappajohn Centers at UNI, ISU, SUI, Drake University, and North Iowa Area Community College.

69. Krause Challenge

Business students will compete with their counterparts at SUI, ISU, UNI and Drake University in an investment project by Krause Gentle Corp., West Des Moines. The company is the parent of Kum & Go, which has 158 convenience stores in Iowa and four other states. W.A. Krause, president and CEO, has given each of the universities \$100,000. The \$400,000 endowment, known as the Krause Challenge, will give students real-world experience in managing a financial portfolio and, it is hoped, link them with Iowa companies. Students in selected finance classes at the four universities will work with advisory committees to make investment recommendations. Annual stock returns will go directly into each school's fund.

70. Leopold Center for Sustainable Agriculture

The Leopold Center was established by the Iowa Legislature as part of the Iowa Groundwater Protection Act of 1987. Its mandated missions are to identify negative impacts of agricultural practices, contribute to the development of profitable farming systems that conserve natural resources, and cooperate with ISU Extension to inform the public of new research findings.

71. Local Food Project

ISU Extension staff and SUI staff formed a leadership team to launch a pilot demonstration project, Project Freeze, that matches a local grower with a local restaurant in order to increase the marketability of produce goods within the State.

72. Master's Degree in Transition: Educators of Students with Severe Disabilities

Existing data indicate that over 168 educators of secondary students with low-incidence disabilities do not have appropriate certification. This project is a collaborative effort between UNI, the Iowa Department of Education, intermediate units (AEAs), local school districts, and parents throughout Iowa to prepare a total of 50 Masters level professionals to work in secondary special education and transition programs for adolescents with low-incidence disabilities. Utilizing innovative recruitment and retention strategies, this project will support annually 10 full-time Masters students and 20 highly qualified teachers who will be part-time students. Undergraduate students will be recruited from UNI, SUI, and other colleges and universities throughout the State.

73. Membership on new Mississippi Riverside Environmental Research Station Advisory Board

Two ISU faculty members serve on the new MRERS advisory board, formed to provide input and counsel to the new SUI research facility, scheduled for opening and operation in May 2002. They are Prof. Jerry Hatfield, College of Agriculture and plant physiologist and director of the National Soil Tilth Laboratory in Ames, IA, and Prof. Ramesh Kanwar, chair of the ISU Department of Agricultural and Biosystems Engineering.

74. Midwest Transportation Consortium

MTC activities at UNI emphasize the support of transportation students through the Transportation Scholars program. Up to five or six students will be supported annually. The program focuses on the recruitment and education of graduate students, although undergraduate students may be supported if conditions warrant. In an average year, it is expected that up to four of these scholars will be from the Department of Geography. In addition, one public policy student each year, with an interest in transportation policy and/or economics, will likely be supported, as will one student from Industrial Technology. It is expected that one of the transportation scholars, usually a graduate student in geography or business, would work with the Institute for Decision Making.

75. National Engineers Week State Legislative Breakfast

The Colleges of Engineering annually sponsor a legislative breakfast at the State Capitol during National Engineers Week to meet with government officials and to discuss mutual interests in engineering and technology education. This year, representatives of the SUI and ISU Colleges of Education also participated.

76. National Engineers Week State Middle School, Jr. High, High School, Pre-service Teachers ICN Workshop

Teachers from around the state participated in an ICN program, sponsored by the SUI and ISU Colleges of Engineering. The 90-minute broadcast provided teaching tips and techniques for teachers to use in the classroom.

77. Optimization-Based Ergonomics Design in Virtual Reality

The focus of this research is to develop a software tool that can be used to perform ergonomic design by identifying an optimum design configuration, not just by evaluating design alternatives. The goal is to provide a virtual design environment to select primary and secondary control locations using multiple human input data. Collaboration occurs through the ISU Virtual Reality Applications Center (VRAC) and the SUI Digital Humans Laboratories.

78. Paper or Plastic?

This program was initiated to address the ever-increasing amount of credit card debt incurred by college students. Thanks to a \$20,000 grant from the SUI Alumni Association, Extension staff at ISU housed the first-ever debt counseling service for students. The event was held on campus and staffed by the local Consumer Credit Counseling Service. In addition, ISU Extension staff worked collaboratively with SUI staff to plan and deliver credit

education to parents of incoming freshmen during student orientation. This innovative program reached more than 2,500 parents this past summer and 2,000 the summer before.

79. Reading Recovery Center of Iowa

Reading Recovery is an early intervention program designed to assist the lowest achieving children in first grade who are having difficulty learning to read and write. Throughout the U.S., university training centers for Reading Recovery teachers and teacher leaders are located at state universities. The Reading Recovery Center of Iowa (RRCI) is unique among the existing university training centers because it is the only one which has as its foundation, a consortium of higher education institutions: the SUI, ISU, UNI, and Drake University. The SUI acts as the fiscal agent, awards graduate credit for the training of teacher leaders and employs the RRCI Director (a professor who also trains the teacher leaders). The RRCI is located on the campus of Drake University, a central point in the State. The official responsibility for establishing operating guidelines and principles lies with the four designated higher education institutions.

80. Recycling/Reuse Technology Transfer Center (RRTTC)

The RRTTC, established by the Iowa Legislature in 1992, provides assistance with recycling of waste products through targeted research projects, experiential education of undergraduate students, and outreach to the solid waste recycling and reuse community. The RRTTC's primary responsibility is the sponsoring of targeted and applied research on reuse and recycling technologies specific to Iowans' needs. Research projects, some of which involve collaborations between faculty from UNI and ISU, are selected on a competitive basis. The RRTTC provides undergraduate and graduate students in a variety of disciplines with valuable educational experiences as well as opportunities to participate in research. The RRTTC promotes cooperative efforts among Iowa industries and academic institutions through joint projects, technology transfer, and dissemination of research findings.

81. Regents' Center for Early Developmental Education

Established in 1988, the Regents' Center for Early Developmental Education focuses efforts on improving early childhood education (birth through 8 years) in Iowa and beyond. Recognizing that children construct knowledge, intelligence, personality, and morality through active experimentation with physical and social environments, the Center supports educational efforts that emphasize children's interest, experimentation, and cooperation.

82. Regent Universities Libraries Cooperative Activities

The three Regent university libraries are actively engaged in a number of cooperative projects and actively participate on various task forces and committees: the Interinstitutional Library Resource Sharing Program, the Interinstitutional Task Force on Scholarly Communication, the Interinstitutional Task Force on Cooperative Reference and Instructional Services, the Interinstitutional Collection Management Council, the Interinstitutional Library Committee, the Interinstitutional Interlibrary Loan Program, the Interinstitutional Information Technologies Council, and the Interinstitutional Preservation Program.

83. Risk Analysis of Manure Management Systems: Normal Practices, Normal Accidents and Impacts on Water Quality

An investigation of animal feeding practices and their effects on water quality conducted by ISU and UNI. The multidisciplinary study examined issues of biosystems engineering, biology, and the sociology of farming practices.

84. Romanian Public Health Study

This was a collaborative study conducted by the Center for International Rural and Environmental Health at SUI and the Institute for Public Health in Cluj-Napoca, Romania. It was a multidisciplinary study to determine environmental factors responsible for Methemoglobinemia-blue baby disorder, and to evaluate the developmental effects on young children in the Transylvania region of Romania. Methemoglobinemia is the primary adverse health effect associated with human exposure to nitrate and nitrite in infants, birth to 6 months, of age. The project was funded by the Fogarty International Center of the National Institutes of Health and the College of Public Health's Environmental Health Sciences Research Center.

85. Small Business Compliance Alliance

This demonstration project is designed to show increased cooperation and interaction between small business assistance programs, such as small business development centers (SBDCs), the IWRC, and the OSHA assistance program. Partners in the program include the ISU State SBDC office (as the project administrator), and IWRC (developing the environmental model and coordinating Iowa partnership efforts), Texas (for IRS assistance model), and Nevada (for OSHA assistance model).

86. Small Business Development Center

The SBDC provides management assistance to small businesses and/or persons interested in starting new businesses, conducts workshops on business topics, and is involved with technology transfer at each of the Regent's institutions and economic development in the State of Iowa.

87. Southwest Iowa Regents Resource Center

The Board of Regents established the Southwest Iowa Regents Resource Center (SWIRRC) in August of 1991 and assigned administrative responsibility to the State Extension and Continuing Education Council. The SWIRRC operates as a coordinating office, serving as a liaison between southwest Iowa residents and the Regent universities. In addition to graduate education, the Center assists with delivery of selected undergraduate Regent programs. It also serves as a contact point for information on Regent university resources, admissions, support services, cultural outreach activities, and internship programs.

88. State Science & Technology Fair of Iowa

The Science & Technology Fair, an annual event for grades 6-12, is hosted by ISU. The fair is the only statewide general science fair for middle- and high-school students in Iowa. Prizes are awarded at seventh- and eighth-grade levels. High school winners receive scholarships as well as other prizes. A \$5,000 scholarship, presented by the Iowa Space Grant Consortium at the Fair, can be used at ISU, SUI, UNI or Drake.

89. Study Abroad Programs

Each of the Regents institutions offer and collaborate on these study abroad programs: the Iowa Hispanic Institute, the Iowa Regents Semester in Australia, the Iowa Regents Semester in Ireland, the Iowa Regents Semester in Wales, the Iowa Regents Summer Program in France, and the Iowa Regents Summer Program in Venezuela.

90. SUI College of Medicine/ISU Veterinary Medicine Collaborative Grants

SUI and ISU continue research collaborations with the expectation that collaborations will lead to increased extramural funding.

91. SUI/ISU Interdisciplinary Pilot Research in Nutritional Science

Interdisciplinary efforts of the SUI Colleges of Medicine and of Public Health and the ISU College of Veterinary Medicine continue to promote nutritional research.

92. SUI Medical Imaging Group/ISU Center for Nondestructive Evaluation

This is a collaboration between areas of research excellence that exists uniquely on each Regent university campus where there is a College of Engineering. The SUI Medical Imaging Group's expertise in linked areas of radiology, genetics, and cardiology interact with the ISU Center for Nondestructive Evaluation, which studies everything from evaluating heart valves to assess damage to evaluating gas pipeline or flaws. Researchers apply ultrasound medical imaging to the measurement of fat content in beef and pork.

93. SUI National Advanced Driving Simulator/ISU Virtual Reality Applications Center

The National Advanced Driving Simulator (NADS) is expected to become the world's leading center for driving simulation research, including the study of human factors associated with both on-road and off-road vehicle dynamics and driving safety. The Virtual Reality Applications Center (VRAC) has developed into the premiere multidisciplinary center for applying computing and visualization resources to synthetic environments. Through both efforts, SUI and ISU are providing opportunities to jointly pursue research collaborations in the latest virtual reality environments, based on each center's technological uniqueness.

94. Summer Honoraria for Faculty Graduate Study

Each year the three major Regent universities award a cash stipend of \$250 plus tuition (and fees at the SUI) for up to six credit hours to faculty with full-time permanent appointments at accredited four-year independent colleges and public two-year colleges in Iowa. The faculty who receive the grants must have been accepted into a graduate degree program in one of the three Regent universities but have not achieved the doctoral degree. Each college can nominate one student for each of the three universities.

95. The 21st Century Learning Infrastructure

A statewide initiative to develop an E-teacher web site to promote K-12 instruction and learning outcomes and life long learning opportunities for Iowans. The project involves ISU and UNI, the Department of Educational Technology, and the Department of Education.

Strategic Plan:

Relation to
Strategic Plan

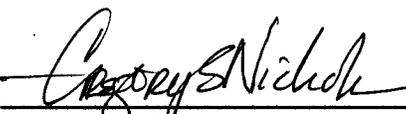
Strategy 4.4.2.0

Increase cooperation and collaboration among the Regent institutions and with other educational agencies, including community colleges and independent colleges and universities.

Action Step 4.4.2.3

Explore opportunities for partnership among the Regent institutions and with other sectors of education.


Robert J. Barak

Approved: 
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