

**Associated Colleges of the South Environmental Initiative (ACSEI)
2006-2007 Annual Report**

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Associated Colleges of the South Environmental Initiative (ACSEI) 2006-2007 Annual Report

I. Overview

A. Teamwork

Environmental Citizenship has “ramped up” to an even greater degree on ACS campuses this year. The challenges of the environment continue to be vigorously addressed by the ACS team, because teamwork is the best way to accomplish our overarching, long-term goal: constructive change in the way people think and act in relation to the natural world. Through concerted teamwork among many different constituencies that transcend the boundaries of single institutions, we are enhancing our environmental curricula and programs at member institutions; transforming ACS students, faculty, and staff into effective environmental citizens; and fostering environmentally sensitive attitudes and practices throughout the consortium and across 15 cities and 12 states in the south-central and southeastern half of the United States.

B. Goals

Our goals, in this, the penultimate year of our Mellon Foundation funding, were to continue supporting our program leaders, and to continue moving in the environmental directions begun last year. Specifically, we supported key personnel on each campus and in the three inter-institutional alliances. Additionally, we adhered to these goals: 1) to foster environmental course development with special attention to mathematics, social science, humanities, international, and technology offerings; 2) to recruit community partners to increase environmental justice and service learning efforts at home and abroad; 3) to create student teaching/research assistantships; 4) to continue our model internship program; and 5) to host an environmental conference. Again this year, we were successful in accomplishing every goal.

II. Building Leadership

Programs in place in 2006-2007 included Faculty Fellows, Facilities Fellows, Student Interns, environmental conferences, Program Committee, the environmental website & listservs, and the *Green Times* online newsletter.

A. Faculty Fellows

1. Faculty Fellows are the heart of each institution’s connection to ACS environmental programs. Besides serving as the key spokesperson for the ACSEI on campus, Faculty Fellows work for the ACS Environmental Initiative an average of 100 hours per academic year. Among many other duties, Fellows act as liaison between and among ACS staff, faculty at other ACS campuses, and the Fellow’s own campus community; they share information with colleagues; and they act as catalysts to stimulate environmental awareness and sustainable development, and some attend ACS workshops and/or conferences and coordinate details about others from their institutions who might attend. Finally, Fellows report back to ACS at the end of the year about environmental activities and courses offered on their campuses.

2. We were extremely fortunate that all member institutions supported Faculty Fellows again this year. A total of 20 faculty assisted the ACSEI in 2006-2007.¹ Below are names of this year's Faculty Fellows.

- a. BSC, Roald Hazelhoff
- b. Centenary, Jeanne Hamming
- c. Centre, Rob Ziemba
- d. Davidson, Chris Paradise & Cindy Hauser
- e. Furman, Wade Worthen
- f. Hendrix, Ann Muse & Linda Gatti-Clark
- g. Millsaps, William Bares
- h. Morehouse, Anne Baird & Glenwood Ross
- i. Rhodes, Katherine Panagakos & Chris Seaton
- j. Rollins, Barry Allen
- k. Southwestern, Richard Osbaldiston
- l. Spelman, Fatemeh Shafiei
- m. Richmond, Chris Stevenson
- n. Sewanee, Laurina Lyle
- o. Trinity, Rich Reed
- p. WLU, Bill Hamilton

3. For campus reports by Faculty Fellows, see online reports at <http://www.colleges.org/enviro/reports/Fellowsannualreport06-07.pdf>.

B. Facilities Fellows

1. The Facilities Fellow at each institution is generally a staff member in Physical Plant or Campus Operations. Facilities Fellows devise strategies for achieving best management practices in sustainability wherever possible, helping the campus move toward a physical embodiment of sustainable development. Through this embodiment, Facilities Fellows educate the community, both on- and off-campus, about what it means to practice environmental citizenship. Names of Facilities Fellows are below:

- a. BSC, Roald Hazelhoff
- b. Centenary, David Martin
- c. Centre, Jerry Meyer
- d. Davidson, David Holthouser
- e. Furman, Jeff Redderson
- f. Hendrix, J.D. Thompson
- g. Millsaps, David Wilkinson
- h. Morehouse, Andre Bertrand
- i. Rhodes, Tracy Adkisson
- j. Richmond, Andrew McBride
- k. Rollins, Scott Bitikofer
- l. Sewanee, Marvin Pate
- m. Southwestern, Bob Mathis
- n. Spelman, Art Frazier
- o. Trinity, John Green
- p. WLU, Chris Wise

¹ Four of our institutions had two Faculty Fellows all year.

2. Highlights of Facilities Fellows accomplishments this year can be found online at <http://www.colleges.org/enviro/reports/InternsannualReport06-07.pdf>.

C. Student Interns

1. Student Interns assist the Faculty Fellow in bringing environmental projects and the ACSEI in general to the attention of individual students and groups on campus, with an emphasis on increasing student participation. They take on an independent leadership role by developing an environmental project, activity, etc., or by directly building on whatever environmental activity is currently taking place on campus.

2. Again this year, every campus supported at least one Student Intern, with a total of 32, averaging about two Interns per campus. Names of students interns are below.

- a. BSC, Brooke Michelle Wright
- b. Centenary, Sarah Eich & Dan Kersting
- c. Centre, Lillian Tuttle, Caroline Wilson, Kerri Howard, & Ethan Link
- d. Davidson, Moira McCormick & Stuart Ann Varner
- e. Furman, Angel Cruz & Joanna Hawley
- f. Hendrix, Molly Morton & Laura Broederdorf
- g. Millsaps, Brianna Travelbee & Hanna McKnight
- h. Morehouse, Calvin Harris & Henry Sunkwa-Mills
- i. Rhodes, Leslie Samuelson
- j. Rollins, Scott Bianconi, Priyanwada Ekanayake, & Kelly Rolfes-Haase
- k. Sewanee, Melissa Early, Eric Keen, Angela Langevin, & Valerie Moye
- l. Spelman, Jaira Harrington & Jamee Lawson
- m. Southwestern, Benjamin Johnson
- n. Trinity, Molly Ellis
- o. Richmond, Ashley LeClare & Christie Lencsak
- p. WLU, Joshua R. Bryan

3. Highlights of Student Interns, Faculty Fellow and other ACS faculty/staff accomplishments this year can be found online at <http://www.colleges.org/enviro/reports/InternsannualReport06-07.pdf>.

D. Fellows and Interns Conference at Rollins College

Conferences and workshops encourage faculty and students to share what they do, and motivate both to go back to their home campuses with ideas for further development, thereby increasing networking and visibility of projects, and generating ideas for activities on campuses. In October 2006, ACS held a Fellows and Interns conference at Rollins College.

1. Twenty-seven students and faculty from 12 ACS colleges and universities were motivated and inspired, networking with their peers on this beautiful campus.

a. Faculty

- i. Allen, Barry (Rollins)
- ii. Baird, Anne (Morehouse)
- iii. Bares, William (Millsaps)
- iv. Bernal, Pedro (Rollins)
- v. Francis, Ann (Rollins)
- vi. Gatti-Clark, Linda (Hendrix)

- vii. Ingram, Ann M. (Davidson)
- viii. MacNabb, Elizabeth L. (Centre)
- ix. Reed, Richard (Trinity)
- x. Worthen, Wade (Furman)

b. Students

- i. Bianconi, Scott (Rollins)
- ii. Broederdorf, Laura (Hendrix)
- iii. Cruz, Angel (Furman)
- iv. Eich, Sarah (Centenary)
- v. Ellis, Molly (Trinity)
- vi. Harrington, Jaira (Spelman)
- vii. Harris, Calvin (Morehouse)
- viii. Hawley, Joanna (Furman)
- ix. Kersting, Daniel (Centenary)
- x. Lawson, Jamee (Spelman)
- xi. Lewallen, Katie (Millsaps)
- xii. McCormick, Moira (Davidson)
- xiii. Rolfes-Haase, Kelly (Rollins)
- xiv. Shaw, Sara (Rollins)
- xv. Sunkwa-Mills, Henry (Morehouse)
- xvi. Tuttle, Lillian (Centre)
- xvii. Varner, Stuart Ann (Davidson)
- xviii. Wright, Brooke (Birmingham-Southern)

2. The conference accomplished the following goals.

- a. Introducing fellows and interns to ACS and to their roles within the consortium
- b. Sharing best environmental practices at campuses
- c. Exchanging information on ways to build an Environmental Resident program on each campus.

3. For more information about the conference, go to

<http://www.colleges.org/enviro/workshops/index.html>.

4. For the agenda, please view it online at

<http://www.colleges.org/enviro/workshops/2006/rollinsagenda.pdf>.

5. Rollins Environmental Studies professor Barry Allen gave the keynote presentation, “Sustainable Development: What’s Up With That?”

(<http://www.colleges.org/enviro/workshops/2006/BarryAllenSustDev1006.pdf>).

6. Rollins Chemistry professor Pedro Bernal spoke of his work on water “Water Purification in the Dominican Republic”

(<http://www.colleges.org/enviro/workshops/2005/presentations/bernal.ppt>).

7. Besides learning ways to improve environmental conditions on their own campuses, attendees heard a presentation by Noemí Danao, Executive Director of the Monteverde Institute in Costa Rica (<http://www.mvinstitute.org/newpages/>), which conducts “Education for a Sustainable Future.”

8. Attendees also viewed an exhibit of environmental art at the Cornell Fine Arts Museum; featured were *Mindscapes: Earth and Sky* (fantasy nature photos by one artist), *Tranquil Vistas: 19th Century Landscapes* (many artists), and *Revising Arcadia: the Landscape in Contemporary Art* (also many artists). These can be viewed online at <http://www.rollins.edu/cfam/exhibitions/>.

9. Conference participant evaluations were very positive. They are compiled at http://www.colleges.org/enviro/workshops/2006/survey_responses_Octo6.pdf. Highlights are below:

- “So many amazing, wonderful, helpful ideas.”
- “Wow! Lots [of ideas to implement on our campus]. We are so pumped up!!!”
- “The energy of the leaders really motivated us and took us away from all of the frustrations at school... gave me hope, determination.”
- “Thanks for a great conference. . . . It was very helpful to getting oriented and motivated.”
- “GOOD JOB!! It’s always great to attend an ACS meeting-- gets me energized and re-inspired every time.”
- “This is my first year to attend this conference, and I have gotten great ideas! THANKS!!! Look forward to working with everyone more!”
- “Powerful, life changing speakers like Pedro [Bernal] were great! Keep this kind of element. Keep info exchange- absolutely vital!”
- “It was most helpful to hear everyone talk about their respective environmental activities. The face-to-face contact with like-minded colleagues was also extremely invigorating (and fun).”

10. Photos of the conference are online at <http://www.colleges.org/enviro/workshops/2006/Rollinsconfpix.pdf>.

E. Program Committee

1. The Program Committee (PC) establishes and reviews policy guidelines for the ACSEI; recommends such matters to the ACS Council of Academic Deans when necessary; offers creative ideas for joint projects, the process to be followed, outcomes and other matters; and works with the project director to develop long range plans for this initiative, encompassing a long-term environmental strategy for ACS.

2. The 2006-2007 Program Committee included three Alliance Directors from three campuses, as well as two Deans and one Facilities Director from three other campuses, ACS president Wayne Anderson, and the ACSEI director.

a. The variety of perspectives comprised by our PC reflects the diversity that characterizes our ACSEI team, and allows key players to advise the program director on various issues, as well as to craft and guide programs that both respond to consortial needs, and move campuses and alliances forward.

b. 2006-2007 PC members are listed below:

- Marvin Pate, Director of Facilities, Sewanee: University of the South
- Stephanie Fabritius, Academic Dean, Centre College
- Linda Bartlett, Acting Academic Dean, Furman University

- Barry Allen, Director, Curriculum and Faculty Development Alliance
- Kathleen Rossman, Director, Campus-Community Partnerships Alliance
- Annie Ingram, Student Development and Engagement Alliance

3. Because none of our programs was new in 2006-2007, the Program Committee's sixth year in operation was more efficient and less exploratory than in previous years. Tasks were accomplished via email, and only one teleconference, keeping up to date on grants, workshops and conferences, as well as funding issues.

4. Teleconference call agenda is given in Appendix A.

G. Environmental Website and Listservs

1. ACS Environmental Programs maintains a website which contains easily accessible information about our ACSEI projects and leadership roles, as well as information about Alliances and Alliance goals, about grants available from the three alliances, and about environmental news across the consortium. We also post foundation reports, campus plans and reports, and news of interest.

2. In addition, the website has a user-friendly participant database, for easy communication among team members; it lists a variety of internships for students; links to the *Green Times* newsletter and other environmental newsletters and websites; provides information on our summer programs; provides results of campus baseline surveys; provides ACS travel policies and a link to all ACS campus calendars; and details our mission, history, and a description of various positions on the ACSEI team.²

3. The ACS also maintains listservs for each of the alliances, one for Faculty Fellows, one for Facilities Fellows, one for Student Interns, and a master listserv for everyone (faculty and staff) who has indicated they wish to be kept informed of environmental events.

4. Again this year, besides posting the alliances' requests for proposals, successful proposals for all 2006-2007 alliance awards are now posted online at <http://www.colleges.org/enviro/proposals/proposals.html>. ACSEI's goal in making these proposals available online is to provide models for grantee hopefuls, as well as encourage them to apply by demystifying the proposal process.

5. Finally, we also continued the practice of posting annual reports from Faculty Fellows at http://www.colleges.org/enviro/reports/faculty_fellows053006.pdf and Student Interns at http://www.colleges.org/enviro/reports/interns_fellows053006.pdf. These compilations will be very helpful to Fellows and Interns because environmental leaders will be able to view an online record of the previous year's reports for guidance on format and content. In addition, they can also view other campus's reports to receive inspiration and ideas for new activities.

H. Green Times Newsletter

² Please visit our website at <http://www.colleges.org/~enviro/>

Since 2003, ACS has published the *Green Times*, a web-based newsletter for ACS Environmental Programs. This newsletter contains information about various programs on our campuses, including student projects and activities, LEED buildings, campus–community partnerships, workshops and conferences, and entertaining photos; it also highlights ACS folks who care about the environment. For more information, please see archived newsletters at <http://www.colleges.org/%7Eenviro/newsletters/index.html>

III. New Directions

A. Alliance Focus

1. With our second year of funding from the Andrew W. Mellon Foundation, ACSEI continued the new the foci of our minigrant program, which is managed by our three inter-institutional alliances. The alliances form an infrastructure which allows ACSEI to award minigrants to students, faculty, and staff across the consortium. Members of these alliances review proposals and determine at what level of funding a project can be supported, whether projects need “tweaking,” or whether they should be supported “as is.”

2. In its second year of existence, the Campus-Community Partnerships Alliance (CCP) helped support environmental justice, campus-community partnerships, and service learning initiatives. We had more proposals than funding for this category.

3. The Student Development and Engagement Alliance (SDE) continued to support student teaching assistantships and an external and internal internship program.

4. The Curriculum and Faculty Development Alliance (CFD) continued to offer grants to expand expanding academic environmental offerings, and stimulating faculty and course development related to the environment. Again this year, we put a special emphasis on encouraging our mathematics, social science, and humanities professors to create courses that focus on the environment or contain an environmental module.

B. 2006-2007 Alliance Membership

1. Campus-Community Partnerships Alliance members (8)

- a. Birmingham-Southern, Kathleen Greer Rossmann
- b. Centre, Rob Ziemba
- c. Davidson, Mike Dorcas
- d. Millsaps, Bill Brister
- e. Rollins, Bruce Stephenson
- f. Richmond, Nancy Stutts
- g. Sewanee, Marvin Pate

2. Student Development and Engagement Alliance members (8)

- a. Centre, David Anderson (director)
- b. Davidson, Annie Ingram
- c. Millsaps, Debora Mann
- d. Rollins, Lee Lines
- e. Richmond, David Kitchen
- f. Sewanee, Deborah McGrath
- g. Trinity, Jennifer Mathews
- h. Washington & Lee, Jim Warren

3. Curriculum and Faculty Development Alliance members (11)

- a. Birmingham-Southern, Larry Brasher
- b. Centre, Anne Lubbers
- c. Furman, Wade Worthen
- d. Hendrix, Jay McDaniel
- e. Millsaps, George Bey
- f. Morehouse, Glenwood Ross
- g. Rhodes, Carol Ekstrom
- h. Rollins, Barry Allen (director)
- i. Sewanee, Jon Evans
- j. Spelman, Fatemeh Shafiei
- k. Richmond, Ladelle McWhorter

C. Change in SDE Leadership for 2006-2007

1. Leadership for the Student Development & Engagement Alliance (SDE) changed as of May 15, 2007. The present director, professor Annie Ingram, English, Davidson College, stepped down to assume further environmental duties at her campus. We wish her a terrific upcoming year!

2. We are very happy to announce that professor Laura Hobgood-Oster of Southwestern University has agreed to take the reins of this active alliance. Hobgood-Oster, who teaches in the Environmental Studies program and holds the Elizabeth Root Paden Chair in Religion in the Department of Religion and Philosophy at Southwestern University, is a former co-director for the Sustainability, Humanities and the Environment Alliance (2001-2003). Hobgood-Oster has been a valued member of the ACS environmental team since the program's inception in 1998, acting in a number of roles, including Environmental Fellow.

D. Alliance Grants Awarded

The three ACS Environmental Alliances began the 2006-2007 academic year with a total of \$41,300 available for grants. As of May 17th, the Alliances had funded 20 proposals, to 31 students, faculty, and staff at ten ACS institutions, for a total of over \$33,500. Proposals can be viewed online at <http://www.colleges.org/enviro/proposals/index.html>.

1. Curriculum and Faculty Development Alliance (CFD)

a. Sociology professor Stella Čapek of Hendrix College received \$1020.25 to develop a "Food, Nature, and Culture" course, to be offered at the 300 level in the Sociology/Anthropology Department. Čapek used the support to travel to Portland, Oregon, to research a variety of food-related programs linked to the city's Office of Sustainable Development and its Food Policy Council. She conducted interviews, taking photographs, and collecting materials for the course that relate to urban food composting, food policy for the city and schools, gardening projects, environmental justice issues, and neighborhood efforts to expand access to healthy, local and affordable food. She also focused on food as a vehicle for celebration and community-building. While many cities have programs such as community gardens, Portland has an unusually comprehensive network of sustainability initiatives, which makes it an excellent model.

b. Geology professor Stan Galicki of Millsaps College received \$2962 to develop an international course entitled "Permaculture at the Helen Moyers Reserve, in Yucatan." Funds supported Galicki's visit to Crystal Waters Permaculture Village near Brisbane, Australia, in January 2007, to attend a course in Permaculture. The primary objective for this visit was to experience permaculture first-hand to aid in the development of a permaculture course in the Yucatán, which will build upon the existing Millsaps-ACS inter-institutional course, Living in Yucatán. The existing course is very diverse and integrates all aspects of life in the Yucatán from a historical and contemporary perspective. The new course in Permaculture will utilize the infrastructure of the Moyers Reserve as a venue, carrying Millsaps' development of the global citizen much farther than simply participating in an international experience. Galicki and professor George Bey have been developing the Center for Research and Sustainable Living on the reserve since 2002. In addition, Galicki was supported for a student-assisted feasibility study in summer 2007 (see SDE grants, below).

c. Centre College English professor Dan Manheim received \$2200 to develop a new course, "Environmental Literature in the US." Manheim sought support to purchase and read primary theoretical works in the field as well as to prepare an actual course for Centre's English majors, Environmental Studies minors, and others interested in the material. Preparing this course will involve a survey of syllabi created by others who teach Environmental Literature—in the ACS and beyond—as well as a review of classic texts in the field, both those written in forms conventionally taught in English departments and those in forms less often addressed in period surveys.

d. Spelman art professor Arturo Lindsay was awarded \$3000 in support of his project, Environmental Design and Construction in Panama. Lindsay will partner with local builders to create a "biodegradable art" bamboo shelter/sculpture in the Spelman College Summer Art Colony at Taller Portobelo in Panama (<http://www.spelman.edu/academics/offcampus/summer/About.html>). Lindsay will spend the summer of 2007 developing the skills necessary to build an aesthetically pleasing and environmentally friendly architectural structure at Las Orquideas Sculpture Park, working with skilled craftsmen and artisans of the village that are familiar with construction of the vernacular architecture of the region that relies on environmentally-friendly materials. Next year, the architectural structure will serve as a shelter from the elements for students of the Art Colony working on biodegradable earthworks and installations. Additionally, Lindsay will teach Art Colony students to design and construct smaller structures throughout the sculpture park that will serve the same purpose for one or two artists working in private.

e. A CFD dual-alliance award (via both the CFD alliance and the Campus-Community Partnership alliance—see below) of \$1929 was made to an inter-institutional team from Rhodes and Birmingham-Southern. Biology professors David Kesler and Andy Gannon, who teach Coral Reef Ecology at the Institute for Marine Sciences (IMS) in Roatan, Honduras, were supported for collaborative research and teaching. A recent surge in development on the island has created concern for the long term health of the Roatan barrier reefs. Major threats to the reef system noted at the International Coral Reef Action Network Mesoamerican Reef Alliance (ICRAN MAR) sponsored workshop "Conservation in Action: Joining Forces to Put Standards into Practice" held in Roatan June, 2006, included improper septic systems, coastal development, deforestation (of mangroves), etc. The magnitude of these threats can be assessed by measuring changes in water quality. The non-profit Sandy Bay and West End Marine Park (SBWEMP) staff have begun a water quality monitoring program but they are resource-limited. Kesler and Gannon have agreed to form a partnership between the SBWEMP, the Roatan Institute for Marine Science (RIMS), and two Associated Colleges of the South institutions, Rhodes College and Birmingham-Southern College, to establish a water quality monitoring program. Using ACS funds to buy the necessary equipment to add water chemistry lab exercises to their courses, Kesler

and Gannon will teach students how to use the equipment and to analyze the data obtained, after which students will train marine park staff in its use. As the data base of water quality measurements accumulates over the long term, it will be used in teaching both courses and by the local non-profits in their conservation role.

f. Centre education professor Penelope Wong was awarded \$3000 to infuse an environmental component across four education courses: *Language Arts Methods* (EDU 342); *Reading Methods in the Elementary School* (EDU 332); *Special Education and Student Diversity* (EDU 330); *Fine Arts in the Elementary School* (EDU 224); and *Children's and Adolescent Literature* (ENG 205). Wong states that education about environmental topics must start early (i.e., in the elementary school years) if the world is going to have environmentally conscious global citizens. Therefore, the proposal is aimed at educating pre-service teachers on the critical need to incorporate environmental topics into their curricula. Wong's funds will support purchase of instructional resources (to be shared with Centre's education program) and a stipend.

g. Furman health and exercise science professor Veronica Yockey was awarded \$2570 to substantially revise a course formerly taught in Chile with a colleague who is retiring. Yockey is a participant in the 2007 faculty development seminar, *Costa Rica: the Search for Sustainability*, hosted by Rollins College, and suggested it would be convenient and cost effective to remain in Costa Rica afterwards for an additional week to pursue course development opportunities. Two environmental health courses are being designed for the new calendar to replace the study away in Chile experience. Course content will focus on environmental factors that compromise health and damage the environment and on efforts that minimize those factors and enhance sustainability. One course will be taught during the spring term on campus and will carry from two to four-semester hours credit. A second two-semester hour credit travel study course to Costa Rica and Nicaragua will be paired with it and offered during May. Both courses will be offered through the Department of Health and Exercise Science.

h. Biology professor John Knox and English professor Jim Warren of Washington and Lee University were awarded \$1500 in support to revise and revamp their interdisciplinary course website and be trained in maintenance of the site, at http://www.colleges.org/enviro/proposals/island_biogeography.pdf. The course, entitled *Island Biogeography and Species Conservation: Science and Literature*, was created after the professors received CFD support last year. In the second year of the course, the professors will have a guest lecturer, Barry Lopez, for two weeks. Lopez is a nationally known essayist, author, and short-story writer, who has traveled extensively in remote and populated parts of the world, and whose writing crosses the boundaries of academic disciplines and literary genres. Students will also explore a number of ways of writing, create an herbarium and a journal as part of the course. The professors require both objective tests and creative papers. As in the reading, the writing will cross genres and disciplines.

2. Campus-Community Partnerships Alliance (CCP)

a. Biology professor Kelly Lyons of Trinity University received \$1000 to create a native species Teaching Restoration Garden which will be used for service learning activities with a San Antonio middle school. The garden will provide students of this underprivileged, Latino-serving institution a forum for education in biology, ecology, ecosystem and environmental science as well as issues of conservation biology, restoration ecology, farming and horticultural practices. To establish and maintain the garden, Lyons and her students are forging a long-term campus-community partnership, bringing together the expertise of faculty at Trinity University and teachers at Mark Twain Middle School. Lyons also received support for a student assistant in the course (see SDE grants, below).

b. Shireen Campbell of Davidson College received \$400 for her English class service learning project, a pamphlet containing information about special features and proper use of the town of Davidson's new 2.6 mile Southeastern Greenway, which Campbell believes will only succeed if it is perceived as safe, and used regularly. To achieve these goals, the town must provide both a map of, and information about, features and proper use of the greenway. In collaboration with town staff and the advisory board, students enrolled in Professor Campbell's Writing for the Community class will create a draft of this informational and promotional document, to be revised and published in time for use at the greenway's grand opening. This project will provide students with an authentic off-campus opportunity for service learning, while the greenway itself will encourage community connectivity and support environmental sustainability.

c. A CCP dual-alliance grant of \$1530 was awarded to BSC and Rhodes professors Andy Gannon and David Kesler to help form a partnership between the Roatan Marine Park, the Institute for Marine Science, Rhodes College and Birmingham-Southern College. The partnership will establish a water quality monitoring program; funds will support equipment available to both colleges, the institute, and the park. Currently Honduran governmental agencies are unable or unwilling to conduct water quality measurements necessary to ensure that degradation of the water is not occurring. This partnership between the ACS and local nonprofits that represent all of the people of Roatan will allow continuous long-term assessment of the health of the reef ecosystem water and advocate for environmental justice in demonstrating that local landowners and corporations (many foreign) are profiting from development in Roatan, yet may be damaging the reefs that impoverished islanders such as artisanal fishermen need to survive. For ACS students, working with and training islanders to measure water quality will be an off-campus service learning opportunity. As the partnership progresses Kesler and Gannon are hoping to find more ways in which students can participate in service-learning exercises with the RIMS and SBWEMP staff.

d. Cori Anderson and Emmy Corey, students at Birmingham-Southern College, were awarded \$1,000 to establish a composting project at the site of a proposed Eco-scape in the College Hills Neighborhood. The environmental objective will be to create a sustainable cycle in which organic waste from the Eco-scape is composted to create new soil to be used for future gardening projects. The educational objective of the composting project will be to teach local residents how to harness the economic value of their natural resources while improving their local quality of life. Long-term goals for the composting program are two-fold: to engage the neighborhood in the creation and maintenance of the composting station and to encourage individuals to start their own composts and garden-related enterprises at home. The intention is to increase the social capital of this area by equipping youth with important skills that will not only open doors for job opportunities but also improve the quality of life in the neighborhood in which they live.

3. Student Development and Engagement

a. Birmingham-Southern student Jon Bernreuter was awarded \$1000 to become the recycling coordinator for campus this year. BSC's recycling program was started in 1989 with proceeds from a donut fundraiser. The initial program relied on student volunteers, but over the years has grown to where BSC now recycles over 22 items (including cell phones, computers, etc.) Jon will work 5-6 hours per week preparing the campus's recycling output to be picked up by the city. This involves sorting all materials by hand to remove trash and glass from that which will be recycled. He will also work with the SGA and the Residence Hall Association to ensure that the campus has a sufficient number of recycling bins and that the bins are positioned appropriately.

b. Molly McCormick, a student at Davidson, received \$1400 to intern with the Carolinas Clean Air Coalition (<http://www.clean-air-coalition.org/>). The internship spanned fourteen weeks during spring term 2007 (January through May). The mission of the Carolinas Clean Air Coalition (CCAC) is to restore clean and safe air to the Charlotte and Mecklenburg County region through community outreach, coalition building, and public policy advocacy. The CCAC works for a 15-county region of North and South Carolina; eleven counties in North Carolina and four counties in South Carolina. McCormick's primary goal was to develop the CCAC's ongoing *Clear the Air for the Kids!* Campaign, to raise awareness concerning the effects of car and bus idling collectively on local children's health.

c. Professor Kelly Lyons of Trinity received \$1170 to support a student intern for her Teaching Restoration Garden project (see CCP, above). The student will establish a maintenance and monitoring schedule for the garden and monitor plantings in each section through data collection and photographs; he or she will also develop a rapport with the teaching staff, begin developing curricula with the teachers, and design and establish interpretive signage for the garden. During calendar year 2007, the student will be asked to help maintain and direct maintenance of the garden, including directing students and teachers in structural maintenance tasks, such as repositioning cinder blocks and establishing interpretive signage, as well as periodic weeding and irrigating. The student intern will also be asked to maintain a log of the work done to facilitate the development of future grant proposals to continue to fund the garden.

d. Student Jaira Harrington of Spelman College received \$1500 in support of a Sierra Club internship. The Sierra Club, oldest and largest environmental advocacy organization in the country, has been active in promoting the expansion of public transportation options in Atlanta. Funding will support travel and housing for a 10-15 hour work week in an unpaid position, Community Organizing Intern, which focuses on community awareness and involvement in the proposed "Beltline" rail service. This railway would provide the Atlanta community with transportation alternatives, support expansion of green space in the metropolitan area, and reduce the number of cars on the road. The intern will undertake policy research as well.

e. Chemistry professor Cindy Hauser and student Nina Mace of Davidson College were awarded \$1500 in support of an air pollution research internship. The recent death due to lung cancer of a non-smoking college staff member, who had also been a beloved crossing guard at the elementary school, brought air quality concerns to the forefront for local residents. The elementary school is located at the end of a street with no outlet and, therefore, buses are forced to travel in and out using the same route. Bus emissions are compounded with emissions from personal vehicles waiting to drop off and pick up children. This combination leads to localized pollution potential in an area containing many small children, a population with increased susceptibility to lung damage. The internship will provide Mace with invaluable "in the trenches" experience in experimental design, solution preparation, instrument calibration, sample analysis, and data interpretation, while working on a project whose outcome is integrally important to the community.

f. Professor Stan Galicki and student Jenna Feindel of Millsaps College have been awarded \$1500 in support of a permaculture feasibility study internship at the Moyers Reserve in Yucatán, Mexico. The project goal is to bring sustainable agricultural practices, or permaculture, to the Reserve and study whether sustainable agriculture will work in an ecologically sensitive area. In addition, the student hopes to help develop economically viable sustainable alternatives among traditional farmers in Yucatan. The project will help to minimize the environmental impact that Millsaps students make when they study on the reserve, and will help to increase environmental awareness in both students and traditional farmers.

g. Facilities director Art Frazier of Spelman College has been awarded \$2000 in support of two recycling interns, Jalika Street and Bianca Coley. Spelman College will subsidize these positions as well. The interns will assist Facilities Management in bringing recycling to the attention of individuals and groups on campus, with an emphasis on student participation. They will work with the Spelman Student Government Association and the Housing Department to ensure there are a sufficient number of recycling bins and that the bins are positioned appropriately; work with cafeteria staff to implement recycling in the dining hall facility; evaluate the volume of all waste coming from the residence halls in order to determine the effectiveness of the recycling initiative; take on an independent leadership role by developing a project or activity on campus or by directly building on what is already in place; stimulate recycling efforts among the students and others on campus to develop programs that will support recycling; and work with Career Planning in exploring possibilities for career preparation, training and internships related to careers in environmental fields.

h. Faculty Fellow Roald Hazelhoff and student Meghan McDonald of Birmingham-Southern College have been awarded \$1375 for an internship with the Fresh Water Land Trust (FWLT, www.freshwaterlandtrust.org), an organization with which BSC and the Southern Environmental Center work closely. The Freshwater Land Trust, established in 1996, works to enhance water quality and preserve open space by acquiring, restoring, conserving, and connecting land areas in Jefferson County, Alabama, that are critical in the conservation of waterways. The Land Trust also aids in developing some of its acquired lands as community recreational areas. Working with governments, businesses, and individuals, the Land Trust finds ways to protect the land, the landowner's interests, and the economic growth of communities. To date, the Land Trust has acquired 3,500 acres that preserve over 60 miles of waterways in Jefferson County. FWLT and the SEC are currently exploring how the nearby 470 acre Turkey Creek Preserve can be transformed into an outdoor laboratory for BSC's Urban Environmental Studies program. Meghan's summer internship will play an important role in furthering this partnership.

E. Alliance Directors' Year-End Summaries

1. Campus-Community Partnerships Alliance

a. Progress Toward Goals. In our second year as a new alliance, we continued to work hard to encourage applicants for our grants in campus-community partnerships, service learning, and environmental justice. We accomplished all of our goals; we supported four campus-community partnerships, which included two service learning/experiential education courses and two environmental justice projects.

b. Conclusions. We allocated 98% of our funds towards some extremely worthy projects. Because some of our proposals were for courses, we were able to partner with the Curriculum and Faculty Development Alliance, which had a much larger allotment to start with. In the coming year we expect to do even better, now that the word is out about what kind of projects we support. In addition, we are in discussion about redistribution of some funds from the SDE Alliance to give this alliance the ability to support more CCP projects.

2. Student Development and Engagement Alliance

a. Progress Toward Goals. The SDE Alliance met its goals of providing enabling funds in the areas of model internships and student teaching/research assistantships. Every proposal submitted to the Alliance was funded at a level that allowed the project to go forward, and every project served the valuable purposes of environmental education and service.

In addition, every model internship and teaching /research assistantship proposal exhibited substantial value to young scholars and contributions to environmental goals.

b. Conclusions. We continue to receive enquiries about support for on-campus events and student projects like those that had been funded by this alliance in the past. At the same time, we received proposals for only 66% of our funds. This disparity might indicate a need to rethink funding categories next year. In addition, we are in discussion about redistribution of some SDE Alliance funds to give the CCP alliance the ability to support more CCP projects, and the CFD alliance funds for more CFD projects.

3. Curriculum and Faculty Development Alliance

a. Progress Toward Goals. The CFD Alliance has a long-term goal of raising the visibility of the environment as a focus of teaching, learning, and research, while developing environmental studies concentrations, majors, minors, courses, and modules. We are proud to announce that all ACS institutions now have an Environmental Studies program of some kind (major, minor, or concentration), as a direct result of ACS funding and encouragement. We supported more courses not traditionally found in environmental studies programs, such as those in social science and humanities.

b. Conclusions. The CFD alliance this year supported the development of new courses & modules for existing courses. We accomplished our goals with the exception of funding mathematics courses. We allocated 90% of our funds, supporting four international courses, four education courses, one social science course, two literature courses, one art course, one technology training, two faculty collaborative research projects, one interdisciplinary course, and two biology courses. We will set our sights on encouraging environmental components in a mathematics course as a goal again next year.

IV. Conclusions

A. Accomplishments

The past six years have been very productive for ACS Environmental Programs. Since 2001, we estimate that over 6500 ACS faculty, students, and staff, and several hundred members of the surrounding communities, have been affected by the many projects and activities ACSEI has sponsored or supported. Between 2001 and 2007, ACSEI supported 112 Faculty Fellows, 16 Facilities Fellows, 236 Student Interns, and 154 alliance members; awarded 211 grants to 264 recipients for a total of \$402,588.75; and hosted or supported 21 conferences/workshops with a total of approximately 806 participants.

With this latest round of funding from The Andrew W. Mellon Foundation, our mini-grants program has maintained its excellent momentum, supporting curriculum development, campus-community partnerships, student teaching assistantships and internships, and program development. In 2006-2007, our three alliances awarded a total of 20 grants to 10 students and 21 faculty/staff/community leaders from 10 ACS institutions.

In this second year of funding by the Jessie Ball duPont Fund and the Andrew W. Mellon Foundation, we have had a renewed ability to support key leaders and activities on each campus. Evidence of our success is everywhere: we continue to attract the most motivated and dedicated faculty, students, and staff to participate in our programs, and many of our institutions are beginning to make physical and cultural changes that emphasize "green" thinking.

B. Challenges

Our biggest challenge is to keep our momentum going as we begin to search for funding that will take us beyond 2008. Because our funders wish to encourage self-sufficiency and sustainability of the Environmental Programs, future funding will diminish anywhere from 6% to 56% in almost every category in 2007-2008. (The exceptions are Alliance Directors and Student Interns, who will continue to be supported at the same level next year.) This is an opportunity for growth, and we must begin to think creatively about ways to continue our programs with less funding. Together, we will brainstorm about this matter at the 2006-2007 conference, date TBA.

Thus, as ACSEI continues to operate successfully, widening its range and stimulating exciting new opportunities on all fronts, we should also begin to think about more permanent and lasting actions that could occur at our institutions to move us forward beyond 2007 and 2008.

C. Thanks

Through the generous funding of The Andrew W. Mellon Foundation, ACS Environmental Programs have had a profound impact on the lives of students, faculty and staff in our institutions, transforming them into effective environmental citizens. Because the changes we are making at ACS institutions have the potential to affect not only individuals at each campus but also an entire region of the country, we believe the overall impact of the ACS Environmental Programs will one day accomplish societal changes on a grand scale.

V. Appendices

A. Program Committee Teleconference Agenda

ACS Environmental Programs
Program Committee Conference Call Agenda
September 22/26, 2006

I. 2006-2007 Program Committee:

- A. Marvin Pate, Director of Physical Plant Services, Sewanee: University of the South
- B. Linda Bartlett, Acting Dean of Faculty, Furman University
- C. Stephanie Fabritius, VP and Dean of Faculty, Centre College
- D. Kathleen Greer Rossman (economics, Birmingham-Southern College), Campus-Community Partnerships Alliance (CCP) Director
- E. Annie Ingram (English, Davidson College), Student Development & Engagement Alliance (SDE) Director
- F. Barry Allen (enviro studies, Rollins College), Curriculum & Faculty Development Alliance (CFD) Director
- G. Wayne Anderson, President, ACS
- H. Elizabeth MacNabb, ACS Environmental Programs Director

II. Greetings, introductions, and welcome newcomers Annie, Stephanie, and Linda!

III. Alliance leadership. For a complete list of alliance committee members, please see Conference Call Appendix 1.

- A. Kathleen Greer Rossman will continue as director of CCP, but co-director Roald Hazelhoff will leave the alliance this year to act as Faculty Fellow for BSC.
- B. Annie Ingram will join us as director of SDE as former director David Anderson steps down.
- C. Barry Allen continues as director of CFD.

IV. 2005-2006 Alliance Activities

A. In 05-06, the three alliances awarded a total of \$51,628 to students, staff, and faculty at 10 different ACS institutions. (Please see Conference Call Appendix 2 for a complete list of awardees and their projects.) (Between 2001 and 2006, ACSEI supported 92 Faculty Fellows, 15 Facilities Fellows, 204 Student Interns, and 127 alliance members; awarded 191 grants for a total of \$368,532.50; and hosted or supported 20 conferences/workshops with a total of approximately 800 participants. We estimate that over 6000 ACS faculty, students, and staff, and several hundred members of the surrounding communities, have been affected by the many projects and activities ACSEI has sponsored or supported.)

B. Congratulations to CCP, which awarded 122% of its funds, or \$6114 in 05-06, with assistance from CFD, who funded the CCP courses.

C. CFD awarded 100% of its funds this past year, \$25,000.

D. SDE awarded 87% of its funds, or \$18,140. SDE changed its focus this past year, now supporting student teaching assistantships and student internships rather than campus projects. The change could account for its smaller number of applicants. We hope to increase SDE awards to 100% this coming year.

E. Requests for Proposals and examples of successful applications are online.

V. 2006-2007 Alliance Budgets to support projects

- A. CCP alliance will have a total of \$4000
- B. SDE alliance will have a total of \$17,300
- C. CFD will have a total of \$20,000. (Again this year, if CCP receives requests for service learning courses or partnership activities within a course, we will ask CFD to fund those. However, rather than sending the funds to Birmingham-Southern, we would like to ask CFD to cut the checks directly to the applicants, after receiving info from CCP.)

VI. Upcoming Fellows and Interns Conference at Rollins, October 13-15.

- A. Online registration at <http://www.colleges.org/enviro/workshops/2006/registration.html>. Everyone is welcome and we hope that more than just Fellows and Residents will attend.
- B. AGENDA: in the planning stages. Alliance directors will talk about their grants; we will ask participants to talk about best practices at each campus, and the group will brainstorm about ways to ensure sustainability of various programs. Again this year we want to emphasize Environmental Resident Assistants as a way to ensure active student participation. (Please see Conference Call Appendix 3.)
- C. Financing: we have a total of \$17,000 to support travel, food, and hotel for all attendees. This means less than \$1000 per campus. Airfare is high—at least \$400 from most campuses. We will ask each campus to assist with travel; many student affairs folks have extra money to send students to conferences that will create new residence hall activities. We hope to tap into some of that.

VII. We now have two new online sources of info: annual reports by Faculty Fellows (http://www.colleges.org/enviro/reports/faculty_fellows053006.pdf) and by Student Interns (http://www.colleges.org/enviro/reports/interns_fellows053006.pdf). This is in addition to our annual newsletter, *The Green Times* (<http://www.colleges.org/enviro/newsletters/JUNo6GrnTimes.pdf>).

VIII. 2006-2007 Team List attached. This contains the names and email addresses of all faculty and staff in the alliances, as well as the fellows and the program committee.

IX. Other Items?

Conference Call Appendix 1
2006-2007 Alliance Membership

1. Campus-Community Partnerships Alliance members (7)
 - a. Birmingham-Southern, Kathleen Greer Rossmann (director)
 - b. Centre, Rob Ziemba
 - c. Davidson, Mike Dorcas
 - d. Millsaps, Bill Brister
 - e. Rollins, Bruce Stephenson
 - f. Richmond, Nancy Stutts
 - g. Sewanee, Marvin Pate
2. Student Development and Engagement Alliance members (8)
 - a. Davidson, Annie Ingram (director)
 - b. Centre, David Anderson
 - c. Millsaps, Debora Mann
 - d. Rollins, Lee Lines
 - e. Richmond, David Kitchen

- f. Sewanee, Deborah McGrath
- g. Trinity, Jennifer Mathews
- h. Washington & Lee, Jim Warren

3. Curriculum and Faculty Development Alliance members (11)

- a. Birmingham-Southern, Larry Brasher
- b. Centre, Anne Lubbers
- c. Furman, Wade Worthen
- d. Hendrix, Jay McDaniel
- e. Millsaps, George Bey
- f. Morehouse, Glenwood Ross
- g. Rhodes, Carol Ekstrom
- h. Rollins, Barry Allen (director)
- i. Sewanee, Jon Evans
- j. Spelman, Fatemeh Shafiei
- k. Richmond, Ladelle McWhorter

Conference Call Appendix 2
2005-2006 Alliance Awards
CCP

1. Davidson student Krista Heiner and biology professor Mark Stanback: Fisher Farm Park cavity nesting project.
2. Trinity librarians Barbara McAlpine and Bea Caraway: Service Learning 1st Year Seminar.
3. Rollins environmental studies professor Bruce Stephenson: Native Landscape in Central Park.
4. Birmingham-Southern Environmental Center director, Roald Hazelhoff: Brown Springs Ecoscape signage and educational materials.
5. Rhodes biology professor Roseanna Cappellato: Hollywood-Springdale community gate.
6. Centre biology professor Rose Marie Roessler and community member J.P. Brantley: Linking the Campus and Community through Central Kentucky Wildlife Refuge.

CFD

1. Rollins chemistry professor Pedro Bernal, Furman biology professor Travis Perry, and Trinity biology professor David Ribble: travel assistance for collaborative research w/FOTIM faculty.
2. Hendrix biology professor Kelly Agnew: Ecology, Elephants and Culture in Sri Lanka.
3. Washington & Lee English professor Jim Warren and John Knox, biology professor: Island Biogeography and Species Conservation-- Science and Literature.
4. Sewanee biology professor Martin Knoll: International Comparative Watershed Studies.
5. Centre economics professor David Anderson: Flash media technology training
- Centre international studies professor Andrei Maximenko: International Environmental Policy.
6. Birmingham-Southern Leadership Studies director Jeanne Jackson: travel assistance for faculty development in Costa Rica (Introduction to Environmental Studies).
7. Trinity literature professor Heather Sullivan: World Literature and the Environment
8. Birmingham-Southern economics professor Kathleen Greer-Rossman: Sustainable Development & Service Learning in Ecuador.
9. Davidson economics professor David Martin, biology professors Pat Peroni and Chris Paradise, religion professor Lynn Poland, sociology professor Gayle Kaufman, and English professor Annie Ingram: Interdisciplinary Environmental Studies intro level course and senior seminar course.

SDE

1. Rollins environmental studies professor Bruce Stephenson, for a teaching assistant in ES 289 – Nature in the City.
2. Rhodes biology professor Roseanna Capellato, for a teaching assistant in BIO 105 – Environmental Science.
3. Centre biology professor Rose Marie Roessler, and Preston Miles, chemistry professor, for Field Research internships at Clark’s Run.
4. Sewanee student Kevin Hobbs: GeoCorps program internship at Denali National Park.
5. Sewanee student Katie Branch: Chesapeake Bay Foundation internship.
6. Sewanee biology professor Deborah McGrath and forestry professor Ken Smith: student internships for Assessing Costs of Exurbanization of Forest and Farmland.
7. Centre biology professor Rose Marie Roessler and community member J.P. Brantley: student internships for Developing Expanded Information for Teachers at Central Kentucky Wildlife Refuge.

Conference Call Appendix 3

Environmental Residents Program

Three more ACS institutions (Furman, Millsaps, and Rhodes) have implemented some form of Environmental Residents (ER) program, after their students attended the ACS Student Environmental Leadership Conference at Furman (October '05). Sewanee Interns Haley Merrill and Mary Bruce Gray introduced attendees of the Furman conference to the ER concept, which places one student in each residence hall to oversee recycling and raise environmental consciousness. The ER concept, in turn, originated with Sewanee Fellows and Interns attending the 2001 ACS Environmental Team Training at Tremont, and today it converts at least 20 Sewanee students per year to “green” thinking (www.sewanee.edu/ers). In 2005- 2006, more than 25 students, two faculty, and three staff were involved.

After the Furman conference, Interns Hannah McKnight, Andrew Harris, and Faculty Fellow Stan Galicki took steps to get an ER program underway at Millsaps. Because of budgetary issues, they started the program as a pilot study in one residence hall and are relying on recycling volunteers rather than stipended positions, but hope to see a campus-funded ER program go into effect over the next two years. Also after the conference, Furman Sustainability Coordinator J. Scott Derrick created six ER positions, one for each residential area, to oversee recycling. And last but not least, Intern Leslie Samuelson and Fellows Katherine Panagakos and Christopher Seaton were inspired by the conference to recruit 12 Rhodes students to become ERs in 2006-2007. Starting with partial funding from campus group Earth Justice, the three sought further support from Residence Life and the Orientation Committee. They also called upon Forrest Stuart, Director of Financial Aid, to create a work-study position that supports one new ER annually.

B. Financial Report