

fall 2002

Ball State University

ReCAP

College of Architecture and Planning

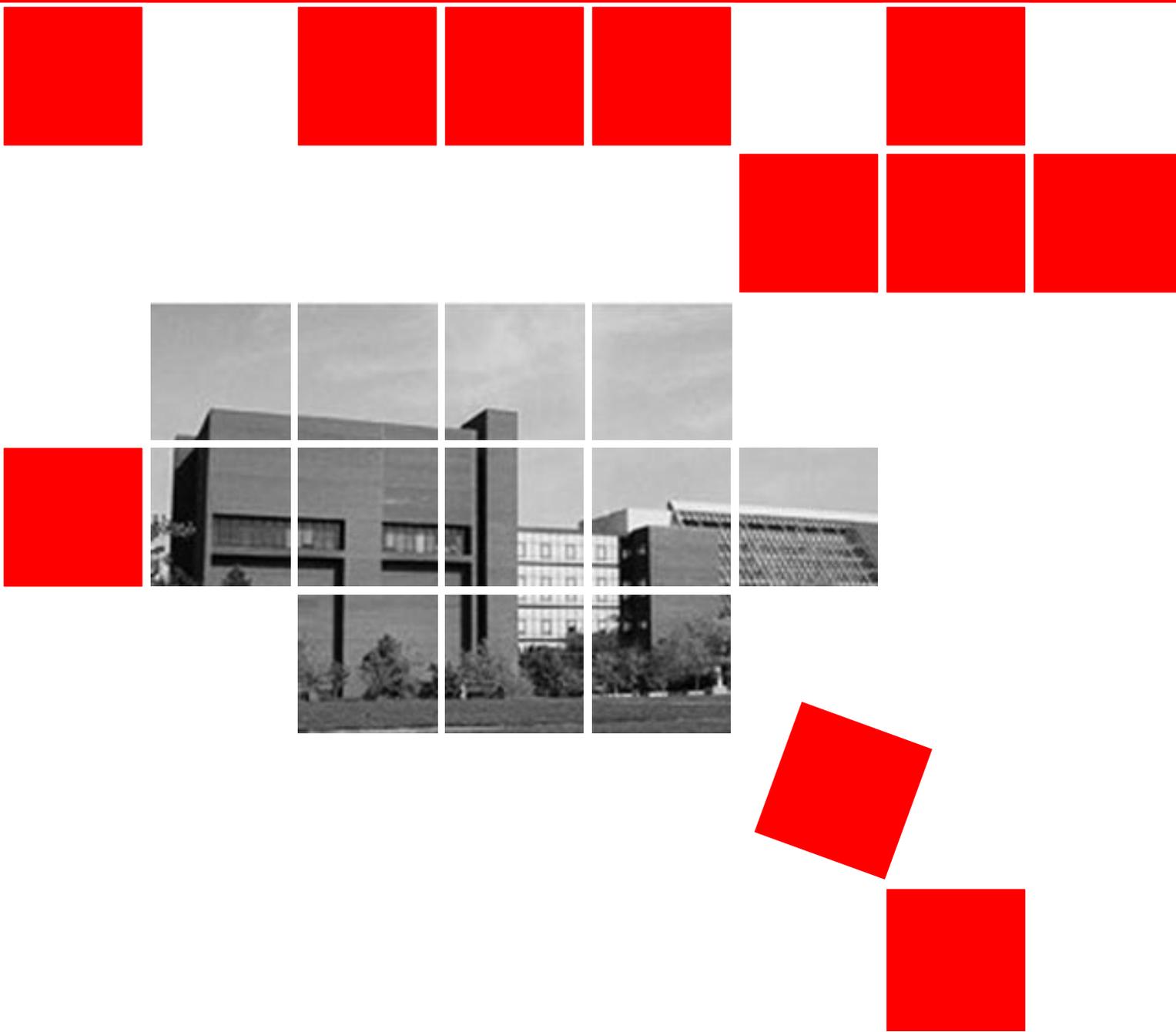


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Message from the Dean

Joseph Bilello, Ph.D., AIA



CAP's summer was certainly filled with a healthy level of vitality but having everyone back and new faculty joining us is certainly an even greater time of the vitality that is at CAP. I am very excited about the new academic year the myriad of directions the College is going and new directions that our faculty and students will bring.

There is a lot of good news from the spring and summer--awards, great travels, a newly acquired building, strategic space leased to us, sponsored research opportunities and CAP Indy continues due to the collective efforts of many. The program of making incremental changes to our building, including updating our studios, is well underway. A space is now allocated for a new faculty meeting room on the lower level facing what we hope will be a Japanese Tea Garden,

dedicated to Bruce Meyer, in the not too distant future.

Last year confirmed my impression that our College's many local, regional, and national laurels are well deserved. Our legacy of successful innovation in curriculum that balances teaching conventions and invention for entry into the professions is richly deserved. I fully hope that those who are joining will continue that legacy and continue to leverage the heritage of which you are a part.

In the professions we serve in Indiana, we occupy a place of unchallenged primacy. I have heard from graduates and firm owners that this is a time of relative dis-ease--following an era of furious and unrelenting work pace, now we have the paradoxical characteristics of great activity and saddening layoffs. At CAP, there is no substitute for vigilantly maintaining our communication bridges with practice. Only this way, can we get a sense of what our students will be called upon to do and give them the right trajectories for those eventualities.

There are some big challenges ahead for us this year. Last year, I addressed the challenges of our enduring and emerging identity, embracing change, our privileged position, balancing issues of all kinds, the importance of effectively communicating the value of what we do, and the nature of leadership for a new dean and new administrative team. These remain important areas of work for all of us. To that list, this year we must add the challenge of CAP's relationship to the University Strategic Plan in ways that position us for the strategic reallocation of resources that will flow from it. From the perspective of university leaders, this will also mean our relationships to modernizing Indiana's economy as a part of benefiting from the State of Indiana's appropriations upon which our livelihoods depend. There is good news and bad news in this last challenge.

Despite economic news with which you are all too familiar, the university is 100% committed to its strategic plan and its vision--"a national model for all who seek intellectual vitality in a learner centered and socially responsible academic community." In brief, the plan looks to a commitment toward positive change, toward the strategic reallocation of resources in response to student demand (areas of enrollment growth) and to university priorities (our strength, particularly as we engage the community and maintain a fine reputation). The university has enthusiastically accepted CAP's response to the plan. The departments have similarly forged related strategic plans.

We have gotten an early heads up that there may be no increased appropriation for the next biennia. No repair and rehab money will be coming from the state this year. There was a large permanent cut to the university's base budget. The university's advertising budget has been eliminated for the year and emphasis shifted to website advertising. You and I know that higher education is critical to our students and to the State's well being. Cuts could be damaging and cause very difficult choices. Indeed higher education and what we do in CAP is a solution to economic problems. We will continue to provide well-prepared graduates to head our professions and be educated citizens. We will also channel energies into demonstrating how we help improve the state's economy, promote innovation and invention in the classroom, studio and research center. The president embarked on a statewide Building Better Communities speaking tour. In his talks, he features the work of our community-based projects and research centers prominently for their roles in leadership, contribution to state economic activity and technology development. I am confident that our continuing and growing emphases in these areas across our disciplines will stand us well during this challenging time.

In this issue of RECAP, you will become aware of the wealth of positive things happening at the College. In August, for instance, we took over possession of a downtown Muncie building donated to CAP with renovation funding in which we will revive MUDS (Muncie Urban Design Studio). Our Center for Historic Preservation is being given

space at Minnetrista Cultural Center. We have initiated a fair number of letters of agreement globally. International designers and planners are now frequent visitors to CAP. We may soon have a building in downtown Indianapolis that houses neighborhood and professional associations in an Indianapolis design and planning center. Our development activities have expanded with new director Scott Truex, as have our efforts to maintain communication with our alumni and friends. We have emerging centers in Rome and Mumbai. In short, we are reinventing the College; reinventing it as a network in addition to this place on campus. To this end, I have the following goals for CAP this year.

Goal #1: We will implement CAP's goals and related objectives in the ways we have described in our college and departmental strategic plans. We will continue to lead the university with enhanced excellence in undergraduate and graduate learning; a learning climate that values civility, diversity, multicultural awareness, appreciation of the arts, healthy and productive living, and environmental sustainability; high quality faculty, professional personnel and staff; optimal enrollment based on selective admissions policies and successful retention programs; being a best-practice contributor in the innovative use of instructional and information technology, and with broad, diverse, and enriched relationships beyond the campus

Goal #2: We will sustain an exemplary fully operational design and planning center in Indianapolis during the coming academic year for the purposes of professional teaching, research, and service in the three disciplines of the College. In the near term, we will secure permanent space and create a long-term strategy for sustaining the center for each of its purposes.

Goal #3: With the resources at my disposal, I will support CAP programs that move demonstrably towards interdisciplinary endeavor in teaching, research and service for the purposes of better preparing graduates for the interdisciplinarity eventualities with which they will be challenged in their professional lives. We will more effectively serve CAP's multiple constituencies who hope for effective responses to complex problems that no single discipline can solve.

Goal #4: We will bring our development efforts into full swing, meeting a series of short-term targets, and strategically planning medium and long-term goals and targets through a coordinated effort involving the college and the university development office. We will continue to improve the CAP building and grounds as exemplars of the design and planning values we hope to inculcate in our students and faculty. We will do everything in our power to make an international experience a part of the education of every CAP student who wants to go and will assist as best we can. To maintain faculty knowledge of the current forces shaping practice, we will facilitate faculty development with professional offices. Finally, we will take up a challenge that CAP alumnus Craig Hartman gave us and our alumni alike--for the benefit of CAP students, we must sustain a program of visiting professionals who embody excellence in practice, create an exemplary guest lecture series and integrate it with practicing professionals continuing education.

We adeptly perform our traditional mission of preparing students to effectively participate in their professions as well educated citizens. This year, we are also challenged by BSU President Brownell to better understand our effectiveness and participate as an engine of creativity, change and economic activity for the state. From my vantage point and what I have heard from many others outside the College, at our strongest, CAP is a community where students and faculty learn, alumni and communities benefit, synergy becomes real, new syntheses are unleashed, and we serve a next generations of design and planning practitioners effectively. This level of collective self-actualization in CAP is one that I support and will continue to support with all the resources at my disposal.

LECTURES

August 26
4:00 AB 100

Bruce Frankel
"Challenging the 'Bottom Line': Radicalizing the
Microeconomic Paradigm for Land-Based
Professionals"

September 9
4:30 AB 100

Carlos Jimenez
Recent Work

September 16
4:30 AB 100

Roger Neuenschwander (B.Arch. '73)
Recent Work: Life after CAP
Roger is President of Thompson, Ventulett, Stainback &
Associates in Atlanta, which received AIA's National Firm
of the Year Award for 2002.

September 24
6:00 pm

Charles Correa
Charles Correa's Keynote address is part of
Forum Tent, UniverCity, Ball State University's weeklong
UniverCity festival.

September 30
4:30 AB 100

Mark Johnson
Recent Work

October 14
4:30 AB 100

Peter Lindsay Schaudt
Recent Work

October 21
4:30 AB 100

John Reynolds
John Reynolds will be discussing his new book, *Aes-
thetic, Social and Thermal Delight*

November 4
8:00 p.m. AB 100

Stanley Lowe
Stanley Lowe will discuss his involvement with the
revitalization of historic neighborhoods in Pittsburgh as
well as his role as vice president for community revital-
ization at the National Trust for Historic Preservation.

November 11
4:30 AB 100

Brandon Welling
"Projects, Realizations, and Questions to Answers"

November 18
4:30 AB 100

Will Alsop
Recent Work

EXHIBITS

August 19-September 13

Indianapolis Regional Center Plan 2020 Charrettes

September 16-September 29

Finding Indiana: Our Search for Place
*Ball State University Virginia B. Ball Center for Creative Inquiry and
Minnetrista Cultural Center*

October 7-November 8

Of Outhouses and Mobile Homes
Cartoons by Steve Schaecher, (B.Arch. '90)

November 11-December 22

Structures of Our Time: 31 Buildings that Changed American Life
The Octagon: Museum of the American Architectural Foundation

AN INTERNATIONAL THINK TANK ON EDUCATION FOR SUSTAINABILITY

George R. Smith

Ball State University in Indiana is currently engaged in a major undertaking to implement iCommunication: the Media Design Initiative, a program of educational and research projects supported by a \$20 grant from Lilly Endowment, Inc. The program makes possible a series of projects that will result in a digitally based learning environment at Ball State intended to facilitate state-of-the-art research and curriculum development opportunities across campus. This has provided opportunity for Professor George Smith and Professor Dave Ferguson of the Department of Landscape Architecture and the Land Design Institute in the College of Architecture and Planning to undertake a unique venture in partnership with the Earth Centre, an education/research institute in the UK. The partnership has taken nearly three years to establish and is now focused on implementation of the Global Media Education for Sustainability Network (EFS).

As a critical first step in the development of the partnership and the launching of the EFS Network research and development process, Ball State University jointly organized and hosted an International Think Tank on Education for Sustainability in partnership with Earth Centre, Doncaster UK at the new Earth Centre Conferencing Center on Tuesday, March 12th 2002. Ball State University was represented at the event by Bob Koester of CERES, John Vann, BSU Green Coordinator, Jim Eflin, Natural Resources, Dave Ferguson and George Smith, Department of Landscape Architecture, and Pedro Pacheco, a doctoral student. Topics addressed in workshop sessions and by invited speakers, included:

- Information needs for education for sustainability
- Case study examples: initiatives and accomplishments in education for sustainability
- Partnerships in education for sustainability
- Best practice examples in education for sustainability
- Targeting client markets
- Resource needs in educating for sustainability

The International Think Tank on Education for Sustainability was held as a prelude to the Rio + 10 Conference to be held in fall, 2002, in South Africa. The Think Tank results will contribute to the development of an Education for Sustainability Global Media Network funded through the Ball State University iCommunication research program. This unique project focuses in part on sharing information and resources on education for sustainability through the continuation of a Ball State University/Earth Centre partnership. To this end a Memorandum of Understanding and Agreement (MUA) was signed on March 13th 2002, between the College of Architecture and Planning at Ball State, and the Earth Centre, UK that will facilitate field study and research opportunities for faculty and students at CAP during the coming years.

Approximately 55 interested individuals and groups from Europe and North America participated in the International Think Tank on Education for Sustainability in March. These included:

- University educators and researchers
- K to 12 Educators
- Government and non-Government organizations
- Private sector interest groups
- Community interest groups and organizations

Papers were presented by individuals from universities in the United States and Canada, and from Universities and organizations in the UK.

Due to the success of the International Think Tank event the EFS research program has proceeded quickly this summer. As a first step in the process of implementing the MUA, a field study studio conducted by George Smith and Jonathan Spodek is tentatively planned for May, 2003. At this time approximately 20 - 30 CAP students will be given the opportunity to spend 3 weeks at the Earth Centre and in the UK participating in a joint studio on Historic Preservation and sustainability.

To date in the EFS research process, Clint Winkler, graduate research assistant and a member of the EFS research team was sent to the UK in June to conduct experiments on video streaming and live internet web casting of digital and video content from the Earth Centre facilities. Also, in late June Glenn Strachan and David Wilde, two members of the Earth Centre education development team, came to Ball State to participate in a one-week research seminar with Dave Ferguson, George Smith, and Clint Winkler.

A total of 12 hours of video were professionally shot at the Think Tank in March by a BSU Video production team brought along to record the event. The edited video, Think Tank papers, and other results are being compiled and distributed as an interactive CD with accompanying abbreviated hardcopy handout. The Think Tank proceedings will be available in late summer and can be obtained by contacting George Smith at Landscape Architecture, or through CERES. A web cast of the March 12th Think Tank is tentatively planned for fall of this year. Because of the success of this event, discussions are currently underway to host an International Think Tank on Education for Sustainability II, at Ball State University in 2003. Further information will become available as this event develops over the next several months.



Set in 400 acres of Country Park in Doncaster, England, Earth Centre offers young people a unique opportunity to enjoy a residential activity visit in and secure and safe surroundings.

02

TRUEX TO HEAD CAP:Indy Center

Urban planner Scott I. Truex has been named director of Ball State University's new College of Architecture and Planning Indianapolis Center (CAP:IC).

Truex began his duties at the downtown urban design center on July 1. He also will be working for the Indianapolis Department of Metropolitan Development, helping to facilitate the downtown planning process for the Regional Center Plan 2020.

Truex is an Indiana native who taught on Ball State's urban planning faculty for 14 years, specializing in community development and urban design. He has been a key participant in the College of Architecture and Planning's national award-winning Community-Based Projects program for many years, serving as director from 1997-2001.



Exhibit on display in the lobby of the CAP:IC

He has spent the past year in the Washington, D.C., area pursuing other professional interests.

Truex has led community design workshops in Indianapolis and other cities and towns around the state, and he has been co-director of the Indiana Total Quality of Life Initiative supported by the Indiana Department of Commerce. He also has been a trainer for the national Habitat for Humanity/AmeriCorps program and has worked in planning office in Indianapolis and Charlotte, North Carolina.

Truex has a bachelor's degree in architecture and a master's degree specialization in urban design, both from Ball State's College of Architecture and Planning.



Exterior view of the CAP:IC

BUILDING A CULTURE OF RESEARCH

A.E. Sonny Palmer, AIA

Is design a form of research? Is there an increasing need for architecture to participate in knowledge-building activities that may be social, cultural, political, economic, or technical in nature? If so, what role do we see research playing in the future of architectural education and practice? These are a few of the questions the faculty and students posed as the Department of Architecture initiated its study on building a culture of research.

The aim of this inquiry is to discuss our ideas and perceptions about architectural research and to discover new directions and potential initiatives where collaborative exploration and innovation might occur. Our challenge is to collectively articulate a coherent framework within which a culture of research can evolve around the teaching, scholarship, and practice of architecture.

This study was initiated with a series of small group brainstorming sessions followed by one large group discussion. Our agenda was to understand the current positions and points of view held by faculty and students on the subject of research and how these ideas might be brought to and applied in the teaching and learning of architecture. Information from these sessions is currently being assembled for a fall semester workshop. Our intent is to build consensus around agreed-upon agendas and new initiatives within the Department of Architecture and to propose courses of action that enable a culture of research to emerge.

Underpinning this work is the belief that the College of Architecture and Planning is an incredibly complex and diverse place that is responsible for continuously evolving and transforming its educational programs in support of state-of-the-art knowledge and innovative design and planning practices. We are committed to design and research activities that respect established traditions while acknowledging new options and opportunities.

BUILDING FUTURES INSTITUTE

Stephen Kendall, Director

During the 2001-2002 academic, the name of the Housing Futures Institute was changed and its scope and mission enlarged. It became the Building Futures Institute (BFI) operating under the following new mission statement.

The Building Futures Institute is a research unit of the College of Architecture and Planning. It engages Ball State faculty, students and industry partners in research concerned with a basic theme:

The development of methods and processes in architecture, information technology and building industry design and supply chains, leading to a user-oriented built environment with capacity for both durability and continuous regeneration.

BFI is an association of individuals who choose to identify their research with this broad theme, while retaining authorship and responsibility for their own work. BFI associates include practicing professionals and firms, and colleagues from a number of disciplines at Ball State University.

An important, although not exclusive, aspect of the BFI mission is to foster work that is strongly linked to firms and organizations outside the university, which help shape and fund the research as partners. Increased quality and benefit to all organizations involved—as well as personal growth of each participant—is sought by bringing projects and studies into light together. BFI monitors and analyzes international trends toward a more "open architecture", including social, organizational and technical aspects. It also focuses on the competitiveness and innovative capacity of Indiana's building industry cluster.

During 2001-2002, work progressed on several projects;

1. Sustainable Urban Management with Conversion of Buildings. This is an international cooperative R&D project subsidized by a grant-in-aid for the development of innovative technology, funded by the Japanese Ministry of Education, Culture, Sports and Technology. BFI is a research partner serving as a "window" on US experience in building conversion and the development of advanced processes and technologies. Several graduate students are assisting in the study.



Model of the INO Hospital, Bern, Switzerland



Roof-top view of the INO Hospital Phase I

2. INO Hospital Research Project. Funded by a grant from the AIA/AAF Fund for Advanced Research, and by local industry sources including BSA Design, Meyer-Najem and The Gaylor Group, we are monitoring and analyzing an innovative hospital project's design and construction. The project is in Bern, Switzerland. A study mission visited the site and interviewed key players in June 2002. Douglas Reddington (B.Arch. '78), a BFI Research Associate, took part in the study mission. An industry symposium is planned in the Fall 2002, hosted by the Indiana Construction Roundtable.

Several research contracts are pending, including a study of product bundling for a major US product manufacturer, an architect design manual for a new architectural product made in Indiana, a user assessment of "smart house" technology, and a study of JIT office fit-out for distributed offices. All of these are in collaboration with local practitioners and colleagues from a variety of Ball State departments.

In addition, the director presented academic papers at international conferences in Delft, the Netherlands at TU Delft at the Agile Architecture conference, and in Hong Kong at the University of Hong Kong at a CIB Commission on Performance Based Buildings. He also presented a lecture at the Vanke Company, a large residential development company headquartered in Shenzhen, China, as well as at the Public Housing Authority of Hong Kong, on the subject of his research in residential open building. He also lectured on this subject at the Department of Architecture at Lawrence Technological University in Detroit.

c a p A S I A III: REVISTING SOUTH ASIA

Nihal Perera

"Asia has a message for the whole world if only it will live up to it."
Mahatma Gandhi, 1938

"India's present may actually contain more than a premonitory hint of the West's own political future."

Sunil Khilnarni, The Idea of India



Teaching in New Delhi

A CapAsia group will be south-Asia bound for the third time in spring 2003. The main destination will be New Delhi where the participants will undertake a joint studio project. This will be followed by a design-build project in Sri Lanka. This time the point of entry will be Bangkok, and we will visit Shanghai briefly when returning to the United States.

CapAsia is no longer a promise, but an established program recognized not only by Ball State, but also by prestigious schools in South Asia. The Collegiate Schools of Planning Update, here in North America, published an article on CapAsia in its September/October 2001 issue. Faculty members Nihal Perera and Wes Janz are continuing to develop the program to provide a more meaningful and safe experience. Following a suggestion made by the Ball State Provost Beverley Pitts, who is excited by the fact that CapAsia is a unique program unlike any other in the United States, they have established a South Asia Center. As it is expected to evolve in a place-specific way, CapAsia III will be the core program of the center in 2003. Other programs developed around it are expected to help the center develop its character in time to come.

As a result of CapAsia II (2001), the college had three visitors from New Delhi. The first was Renu Khosla, deputy director of the National Institute of Urban Affairs (NIUA). In New Delhi, she introduced CapAsia II participants to her highly innovative project which uses GIS for community development. Khosla has acquired a great wealth of "data," not the familiar hard physical type nor the census type, but data on spontaneous settlements from the settlers perspectives, which were never documented before. This year, the graduate students will have the opportunity to both learn about this cutting-edge practice and help Khosla further develop this program.

The second visitor was former dean of the School of Planning and Architecture (SPA), Jamal Ansari. He was in the United States for a workshop at Yale for faculty members from several continents who were teaching a "global" course with Yale's Brad Gentry on sustainability using the internet. In 2001, Ansari organized a four-day collaborative workshop

between CapAsia II participants and SPA students on the upgrading of a spontaneous settlement, Yamuna Pushta. Instead of two Ball State faculty members traveling to Asia next year, Ansari will be the co-director of CapAsia III. He is helping Perera the Director, organize a joint studio for undergraduates with SPA students. The studio will focus on Pondichery, a former French Colony in southern India.

The third visitor was a planning faculty member from SPA, Poonam Prakash. Along with Khosla, Prakash visited MIT for a conference on housing and Ball State to discuss CapAsia III. She worked with CapAsia II directors in executing the New Delhi workshop and is working with CapAsia III directors in building the Delhi component of CapAsia III.



The Bahai Temple in New Delhi

As a result of the CapAsia program, Ball State has attracted two graduate students from South Asia. Mahinda Abeykoon, deputy director of the National Physical Planning Department (NPPD) of Sri Lanka, is currently enrolled in the master's program in GIS. He and the consultants at NPPD introduced CapAsia II participants to the national physical plan they were developing and which was presented to the nation in November 2001. Nishit Somaiya, a student from Kamla Raheja Vidyanidhi who collaborated with our students in Mumbai, is expected to join the architecture program in the fall.

Wes Janz, who became more committed to the ideas of leftover space and leftover people, taught a studio last spring along these lines. He is also developing a design-build graduate studio for the fall to coincide with UniverCity 2002: Celebrate Community, Visiting faculty Charles Correa, Yung Ho Chang, and Madhura Prematillake who are involved in shaping the

architectural practice in India, Beijing, and Sri Lanka, are expected to take part in the studio. With Prematillake, Janz and Perera are developing a design-build studio in Sri Lanka for CapAsia III.

CapAsia III promises to take the South Asia experience to another level. South Asia is an amazing place for our students to learn about themselves, their communities, their built environment, and design and planning practices at home and abroad. South Asia's importance goes far beyond where it has been, is, and will be; it is dealing with issues and challenges that are present in, pertinent to, and will become significant for the United States and the West in general. Organizing CapAsia comes with its own risks and problems; various incidents in the region have not worked in favor of the program. It is very difficult for students to visit by themselves a region like South Asia which is unknown to the large majority of Americans. This is precisely why this program is so valuable.



Galle Face Green in Colombo

This time the group will visit Bangkok, Shanghai, and various cities in Sri Lanka, around New Delhi, and southern India. With its historic Moghul and Hindu architecture, planned and developed cities and gardens belonging to various periods, and the work of well known architects like Charles Correa is in itself a minefield of experience. The group will visit the

"Modernist-city," Chandigarh, the ancient Hindu city of Jaipur, and Agra, the capital of Mogul Empire and the site of Persian gardens and the Taj Mahal. The participants will also have the opportunity to learn about architecture, landscapes, and cities in southern India. The graduate students from the three programs together will map out the physical references (and the cognitive image) the people in informal settlements use to move around, the way they use leftover spaces, the type of open and built spaces they create, and the materials they use.

The participants will expand their South Asia experience in Sri Lanka. In the most developed state in South Asia, the group will visit a variety of sites, including the landscapes of the ancient irrigation infrastructure; the oldest existing garden in Asia, the Sigiriya rock garden; one of most revered centers of Theravada Buddhism, the Temple of the Tooth; the colonial hill station Nuwara Eliya; the largest irrigation based development project, the Mahaweli Project; recent development projects in Colombo; and the buildings of the well known architect Geoffrey Bawa, including his architectural laboratory at Lunuganga. Most crucially, the participants will undertake a design-build project with the students and faculty at University of Moratuwa. We will also pay close attention to emerging design and planning practices and explore the work of young designers and planners who might be shaping the built and urban environments of the region in the future.

For more information, visit <http://web.bsu.edu/perera/CapAsia/>

fall 2002

CAP:IC AND ALUMNI ACT AS CATALYSTS FOR CHARRETTE WORKSHOPS

Tony Costello, FAIA

Ever since our college's Community-Based Projects Program (CBP) conducted its first small town charrette workshop in Salem, Indiana in the spring quarter of 1980, we have always followed the policy of being "invited into a community" as our means of contact. Our college's national reputation for conducting these faced-paced, citizen participation-focused, in-situ workshops has grown over the last two decades through both word of mouth and multiple presentations at state and national conferences by participating faculty members-Harry Eggink, Michel Mounayar, Jim Segedy, AICP, Scott Truex, and myself. In addition, CAP alumni have also served in this capacity and give CAP a state-wide network to bring potential projects in Indiana communities to the attention of the program.

NAAB Team Cites Need to Expand Student Participation

The National Architectural Accreditation Board accreditation team's evaluation of the Department of Architecture's bachelor of architecture degree program in the spring of 2001 cited CAP's CBP program as one of its unique strengths. The evaluation specifically lauded this program's ability to engage students in hands-on in-the-field learning while simultaneously providing a very valuable and viable public service to Indiana communities-from inner city neighborhoods to small towns.

However, the team also pointed out, quite rightly, that the opportunity to participate in the various CBP activities, including the charrette workshops, needed to be made available to more students and, preferably, integrated into the studio curriculum. Having initiated both the CBP program in 1969 and the Small Town Assistance Program (which uses the charrette format) in 1980, I took this specific criticism quite seriously and decided to do something about it during the 2001-2002 academic year.

Indianapolis 2020 Plan Charrettes Provides Unique Learning Experiences

During the 2001 fall semester, my ARCH 400 Urban Design Studio was heavily structured around the 12 students' participation in two, three and a half-day charrettes that were major components of the CAPIndy's-the college's newly established permanent design studio in Indianapolis-participation in the City of Indianapolis' 2020 Plan Development. Through the joint efforts of Scott Truex, associate professor of planning, and Harold Rominger, director of the 2020 plan project for the city's Department of Metropolitan Development, three-day charrettes took place in October and November for the East Sector and the North West Sector, respectively.

My students were joined by other students from both CAP's landscape architecture and urban planning departments. All of them had the wonderful experience of working with David Lewis, FAIA, FRIBA, who heads the graduate urban design program at Carnegie Mellon University in Pittsburgh. David is no stranger to either Indy or to Ball State's College of Architecture and Planning charrettes having been involved with our charrette teams in Indiana including Muncie, Madison, and Indianapolis (multiple times). In addition, Chris Calott, a faculty member at the University of New Mexico, participated in the North West Sector charrette at the invitation of Dean Joseph Bilello. Chris has run a number of community-based "Border Studios" with his students at UNM. Ball State CAP faculty who participated in one or both charrettes included Lohren Deeg, Tom Gallagher, Harry Eggink, Michel Mounayar, and myself.

I believe the following quotes made by the fourth-year

students in my studio and shared with me through their feedback via an addendum to the course evaluation reinforce the learning experiences that took place in the studio, much of it obviously due to their participation in the charrettes.

"I really enjoyed the emphasis on community involvement that was placed on this studio. . . The Indianapolis charrettes were so incredible and beyond my expectations that I cannot even begin to suggest how much I learned from participating in them." -Kellie Malcolm

"Personally, I felt it was a great opportunity that opened my eyes and mind to a whole new aspect of architecture. . . I feel I was able to 'tap into' some of my talents which I wouldn't have found had we not had a studio conducted in this way. The biggest lesson I learned was that every project does not have to end with a "finalized" design. Listening to individuals from the community and responding to the issues they raise are among the most important goals of charrettes. This process should be implemented in architectural design and not just urban design." -Jeremy Culver

"The charrettes were definitely the high point. . . One of the greatest things about the charrettes was the ability to interact with landscape architecture and planning students as well as the public and professionals." - James Zwissler

Two Alumni Become Links to Small City/Town Charrette Opportunities

With CAP now being 36 years old, our alumni have established themselves as accomplished professionals both within the Hoosier state and nationally (see related article on the 2002 AIA Convention). They have the opportunity to provide our college with a wonderful network to connect us to potential CBP opportunities. Recently, two CAP graduates did just that, allowed me to fashion my five-week 2002 first summer term ARCH 400 studio around two charrettes in response to requests for assistance. These requests came at the suggestion of these alumni who had participated in our community-based studio projects while students at CAP and knew of our continued commitment to this education-service program.

Professional Involvement in Illinois Community Provides First Opportunity

Joe Myhnier (B.Arch. '72), currently an architect with BSA Design in Indianapolis, is the project architect for the renovation and expansion of St. Mary's Hospital in Centralia, Illinois. He suggested to Jim Sanger, CEO of the hospital corporation of which St. Mary's is a part and current president of the Greater Centralia Chamber of Commerce, that the Ball State CAP small town assistance program using the charrette format might be the perfect entity to assist the local chamber in dealing with downtown revitalization and beautification.



Student presenting findings to Centralia residents.

Responding to Myhnier's suggestion, Sanger contacted me in early spring 2002. We proceeded to plan a charrette that would respond to the chamber's and the citizenry's desire to have a vision of their town's future. Part of the precharrette planning included the chamber securing a \$3,500 grant from the Wal-Mart Foundation to underwrite the cost of the charrette. Another unusual aspect of this charrette was the inclusion of Centralia resident and CAP graduate Polly Whitchurch (B.Arch. '01) on our team. Whitchurch's availability was fortunate in that it gave the team a local resource person who was a graduate architect and who understood the charrette process since she had participated in my third-year studio's charrette for Camp Carson's (north of Evansville) new lodge during the spring 1999 semester.

As the saying goes, the rest is history, as my 10-student studio executed a very successful three-day revitalization charrette in late May. The resulting recommendations and images have been embraced by the steering committee and the community-at-large of the team, as proven by the following two statements:

"On behalf of all of us who participated in the Centralia Charrette, I want to express our appreciation for a very positive and productive experience. We really enjoyed getting to know you and the students from Ball State University." . . . your students are a credit to you and to the University. They were not only professional, but also impressive as individuals."

Letter from Jim Sanger

"We were so happy to have you and the Ball State University student and faculty representatives share your insights and expertise with us. EVERYONE is so excited about the recommendations and renderings all of you contributed. We have all of the sketches positioned in the lobby (of the Chamber of Commerce building) front window (out of the sun's rays) and have the drapes open all the time. People stop by, come in and are so impressed, and hopeful."

Letter from Chamber of Commerce Executive Director Debra Hughes

Alumnus' Pro Bono Work in His Hometown Provides Second Opportunity

The second alumnus to act in the role of a local contact person was Hal Kovert, AIA, partner in Kovert Hawkins Architects, Jeffersonville, Indiana. A 1976 graduate, Kovert's hometown is Crothersville, a small southern Indiana community with a population of 1,400 located off I-65 between Seymour and Jeffersonville. He was instrumental in the formation of the Greater Crothersville Heritage Foundation, a not-for-profit corporation dedicated to the preservation of the heritage of the town. The impetus for the formation of this group was the availability of the local Presbyterian church (circa 1880) that had ceased to serve as a religious facility. Purchasing the building and a two story annex next door, the foundation renamed the former church Hamacher Hall after the town's founder.

Seeing the need for both a short- and long-range plan for the adaptive reuse of these two buildings and the site, Kovert contacted the chair of the architecture department, Brian Sinclair, with a proposal to have his firm partner with the department to execute this plan. As interim director of the CBP Program, and after



Hal Kovert (B.Arch. '76) provides background information to charrette participants



Students present findings to Crothersville residents

making the project available to the master of science in historic preservation program, I elected to take on the project myself with my ARCH 400 class as I determined it offered a very different planning and design experience for my students. Kovert's firm provided excellent documentation in the form of measured drawings and photographs. The entire digital file allowed the students to easily access this information during the

charrette on their lap-top computers which have become as commonplace as the traditional white trace and prisma-color, the traditional media used for decades in the charrette studio.

As with Centralia, the students did an exceptional job and, using a three team approach, produced three proposals for a series of phased improvements and additions. The foundation board has responded enthusiastically to the findings and recommendations presented by the three student teams at the public presentation of findings using approximately 30 drawings and three models. The findings were also summarized in a 17-page executive summary authored by me. This last item highlights one of the unique aspects of community-based projects, namely the breaking down of barriers between students and instructor through the concept that we constitute a "team" and all learn from one another.

Reflections

In both communities, the students made a great impression on everyone they met. They stayed with local host families in Centralia and in available apartments in Crothersville. As has become commonplace, the communities provided wonderful meals either brought to the studio to support the working breakfasts and lunches that are critical to the fast-paced charrette process or at great local restaurants. Local and regional newspapers provided excellent coverage of both charrettes, and two local radio stations in Centralia broadcast interviews with several charrette team members and citizens.

The following three comments are the best proof of the value of the charrette process in terms of the positive impact of our technical assistance to communities and the educational value to our students who participate:

"The Greater Crothersville Heritage Foundation and I were very impressed with the work the students performed. . . . The committee had no idea of what to expect so when they saw the variety of possibilities they were almost speechless. The other comments I heard specifically about the students included: Extremely talented, polite, intelligent, hardworking, and dedicated (directed in particular to those who commuted in order to attend their other classes). You and the students made an exceptional impression on the committee and the community. Ball State and the CAP were very well represented."

E-mail from Hal Kovert

"It was really refreshing to see students at work. Their commitment is what is so great! I got charged and I can see how you like it so."

Louisville architect Bruce Duncan (B.Arch. '71)



Community members study the Centralia charrette drawings

"I think [the charrette] was very beneficial to us in that it

made us think at a larger scale. It helped make me more aware of how architecture can affect people in a very direct way. The studio also showed the importance of architects getting involved with and giving back to communities."

Student Natalie Pohlman, written on course evaluation.

Conclusion: After 33 years of conducting about 100 charrettes, I am convinced that this community-based process has no equal when it comes to the ability of CAP's CBP Program to serve the entire state of Indiana. In fact, as the Centralia charrette demonstrates, we can even use it to take our students out of state to serve communities on a selective basis. On a personal note, I never fail to be energized during a charrette as I work with our students who continue to demonstrate that triad of qualities that I think are essential for a successful studio: talent, strong work ethic, and a mutual respect for one another.

Alumni who may have a project they think could make a viable CBP Project should write a brief letter requesting assistance to: Director, CBP Program, College of Architecture and Planning, Ball State University, Muncie, IN 47306. You may also call me at: (765) 285-5868 or contact me through e-mail at: ajcostello@bsu.edu

A UNIQUE 2002 SPRING BREAK

Tony Costello, FAIA

Teaming up to make a difference

For many college students spring break has long been synonymous with a time to "head south" to sun, sea, sand, and excessive partying. Places like Daytona, Ft. Lauderdale, Cancun, and South Padre Island have long been the destinations for a break from the cold and gloom of the long winters up north. For one fifth-year architecture student, Kate Luken (B.Arch. '02), and myself, Ft. Lauderdale was but a brief night stop-over on our trip to a week-long service mission in Plaisance, Haiti. We, along with five non-CAP Ball State students and four non-student parishioners of the St. Francis of Assisi-Ball State Newman RC Parish, formed an 11-person service mission team that traveled to our "sister-twinning parish" of St. Michaels located in a northern province of this Caribbean nation that shares the island of Hispaniola with the Dominican Republic.

Medical Team first to respond

For the past four years, the Muncie parish located just east of the Ball State campus on Riverside Avenue has sent a medical team of doctors and nurses from the parish for a week to minister to the many health needs of the populace who are without even the most rudimentary health care. Two nurses, Pam Brown and Leeann Mengelt, have since the beginning been the driving forces behind this program. The parish also provides the salary for a full-time Haitian nurse and enough medicine to staff and equip a year-round clinic. For the past three years, the local parish has also sent a service team that attempts to respond to the many needs of his parish as defined by the pastor, Father Andre Sylvestre. I have been fortunate enough to be a member of the 2001 service team and co-director of the 2002 service team. This article is an attempt to share a portion of the 2002 trip that I think would be of most interest to CAP alumni, some of whom I know have also participated on mission trips themselves.

New vocational school provides unique opportunity to establish a drafting program

Two years ago, as part of his incredible multifaceted, crusade to elevate the quality of life of his parishioners in this poorest nation in the Western Hemisphere a nation in which less than 45% percent of the children even attend elementary school, Father Andre, set about building an elementary school to serve the "poorest-of-the-poor" children. A new building now stands as a testimony to his dream and the generosity of many people. The school day begins at 9 a.m. and ends at 1 p.m. For the remainder of the day, the school becomes a vocational school for young men and women who range from high school to college age. One of the first programs to be established was a drafting program to train young professionals who could, hopefully, contribute to the establishment of an educated middle class that would become the basis for an improved economic, political, and social society. I decided after the 2001 trip to initiate a program that would fully equip this component of the school within six months.

Donated books, paper and pencils initiate program

On a planning trip during Ball State's 2001 fall break, the 2002 team's co-director, Eric Banter, and I



Kate Luken (B.Arch. '02) and Tony Costello pose with the drafting class of Haitian students

transported 25 drafting books that had been provided by parishioner and high school drafting teacher Lenny Baierwalter. These books were going to be thrown out as his school had totally converted to computer-aided drafting and design (CADD). The regular pencils and notebook paper we also brought were the first supplies of any kind for the program! Lenny was also kind enough to print 1,000 formatted 11X17 sheets on both vellum and bond paper with the typical labels (i.e., name, course number, assignment number, date) written in both Haitian and English. These certainly were an improvement over the lined notebook paper delivered on our previous trip.

Parish responds to request to equip drafting room

This past Christmas-as part of the parish's "Gifts for Haiti Christmas Tree Program"-parishioners funded 30 complete sets of drafting instruments, including a T-square, to equip a drafting room and our firm, COSTELLO + ASSOCIATES, underwrote the cost of the materials and wages for local carpenters to construct 30 wood drafting boards. The Muncie-based firm, Eastern Engineering, assembled the equipment we ordered in a sturdy plastic folder-not very different in content from the packets they have made up for the CAP freshman in the past. They also gave us a wonderful discount, for which we were very grateful. The first class that Kate and I team-taught-using a Haitian architecture student as an interpreter-simply went through each piece of equipment and how to use it. We also spent quite a bit of time on the use of a scale and the concept of "drawing to scale"-not an easy concept to grasp. The eagerness shown on the students' faces and their attentiveness to every word we said underscored how fortunate they felt to learn about and have the opportunity to soon use "real drafting equipment."

Classes in freehand drawing and in use of drafting instruments are new experiences for Haitian students

Since there is a full-time Haitian instructor teaching the technical drawing, we decided that it would be most appropriate for us to use the next class to introduce freehand sketching/drawing as another means to both record and communicate via drawings. Both Kate and I took the 30 students through a series of exercises very similar to those used by instructors in CAP 161. In the next class, Kate alone took the students through a series of exercises in which they used the basic instruments (T-Square, angles, compass, templates). She proved to be an adept teacher! Also proving very adept at teaching, this time English to the Haitian students, was education student Andrea Bauer whose minor is English as a second language. For me, it was very gratifying to see the opportunity afforded these young professionals to apply their skills in a unique context.

Design and construction of prototype latrine a total team effort

The 2001 Service team was the first from our parish to actually plan and execute-WITH local masons and other craftsmen-a construction project

that dovetailed into the work of the medical team. Emphasis on the "with" is important because we operate under the premise that we do NOT do it FOR them, but WITH them, thus giving them "ownership" and pride in the project. With a tremendously high percentage of the disease that the medical team treats each year being caused by the widespread consumption of unclean drinking water and the nonexistence of even basic sanitary facilities—we decided that initiating a prototype latrine building program would compliment the earlier drilling of four new (clean water) wells also financed by our parish. Thus, both the 2001 and 2002 service teams constructed latrines from designs made by me in the field in conjunction with input from the families to be served and the local masons. The construction uses basic Haitian processes and materials (excavation: by pick and shovel of a 12-14-foot-deep hole; walls: sun-dried CMUs; floor slab: a very low-grade reinforced concrete; roof: light wood frame and corrugated sheet metal). All of the concrete for the floor slab is hand-mixed and placed using a "bucket brigade." On this past year's project, the CMUs were carried one-quarter mile "the Haitian way"—on our heads—from the nearest road.

Although we can only complete the floor and walls (the local craftsmen finish the roof construction, doors, etc., after we leave) the sense of satisfaction felt by the team is tremendous and the bond forged between us, the families who we build the latrines for/with, and the local craftsman is very strong.



Kate Luken (B.Arch '02) and Tony Costello work through interpreters to teach drawing classes.

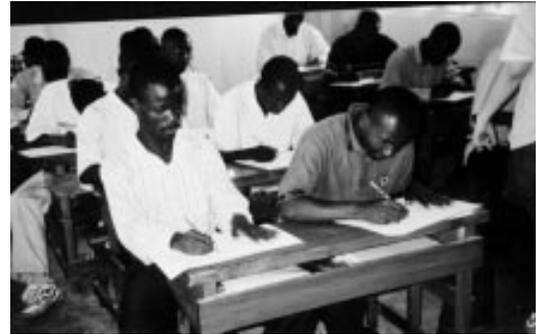


Relighting a sanctuary: prototype fixture designed and installed

I am amazed by the opportunities that have presented themselves to me during the two years of involvement with this ministry. When I first entered the traditional, basilica-plan sanctuary of St. Michaels, I was struck that it was lit by 10 four-foot-long bare (cool light) florescent bulbs crudely attached to the face of the large circular columns. Not only were they unsightly, but about half no longer even worked. When a parishioner had to hold a flashlight so that Father Andre could read the gospel one cloudy morning during the planning trip that Eric and I made last October, it became obvious to me that the sanctuary space needed to be relighted. Thus, I set about designing a prototype fixture that would be worthy of being in a worship space, inexpensive by being made of standard components, made of components that when disassembled would all fit in the dufflebags in which we transport supplies, and be easily assembled and installed on the columns. The resulting prototype fixture is composed basically of a 30 inch 8 foot wide piece of wood to which is attached a corrugated, fiberglass lens cut from a standard 2 x 8 sheet and bent into a half cylinder. It is lit with one two-foot florescent (warm light) fixture. The prototype fixture cost under \$20 and was easily transported, assembled, and installed. The resulting esthetic and light quality exceeded our expectations. The backs for the 10 fixtures will be made of local Avocado wood by carpenters in Plaisance, and I will purchase and/or make the remainder of the components in Muncie prior to my return trip this coming October when I will fabricate and install the fixtures. I am looking forward to seeing the results of this project, the cost of which is being underwritten by a very dear friend of mine.

Prologue

My involvement in these Haiti service mission programs has become an important focus for me and is an activity to which I now devote a substantial amount of my time. It has allowed me to combine my teaching, architect-



Haitian students involved in drawing exercises.

ture and construction skills, and my "faith through action" philosophy at a very opportune time in my professional and personal lives. It has allowed me to get to know wonderfully talented and committed non-CAP students as well as nonstudent parishioners really well. I already know that getting to know and work with Father Andre will become one of the true blessings in my life. Lastly—and quite unexpectedly—it has also allowed me to revive my interest and love of sketching as I have committed to keeping a sketchbook during each trip. But most important and paraphrasing the prayer of St. Francis (the patron saint of our parish), "It has been in my giving that I have received so much more." For this I am very thankful.



Tony Costello works with local masons on a prototype latrine.

Collaborative Practices and the Digital Studio

Frederick Norman

The DigitalDesignStudio a design studio aimed at exploring new processes of making, had its beginning during the spring 2002 semester. This third-year design studio became an opportunity to explore ideas digitally from concepts to final presentations. The traditional methods of design process were replaced by laptops, videoconferencing equipment, and high-end computer workstations. The new tools of process and communication used by the students were 3D models, animations, video, and interactive Web interfaces. In addition to new tools for design, students were introduced to videoconferencing as a means of communicating both locally and remotely to wider au-

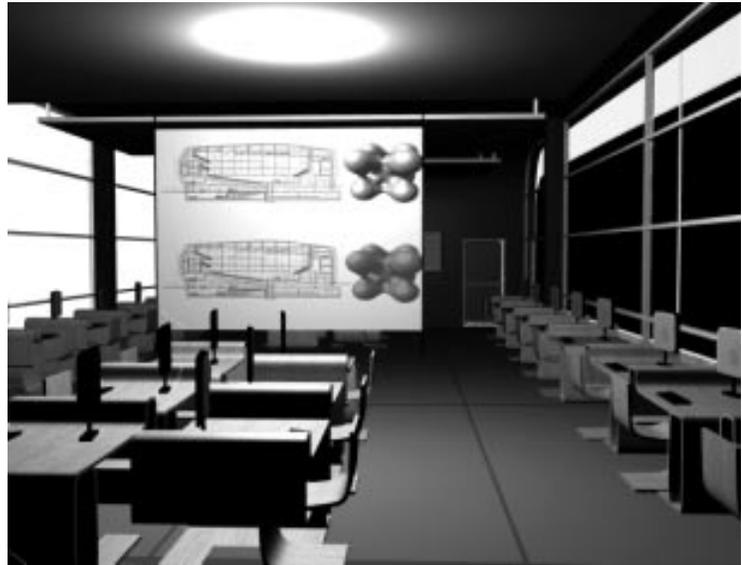


diences.

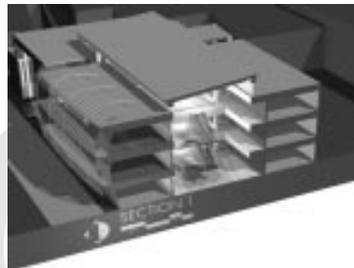
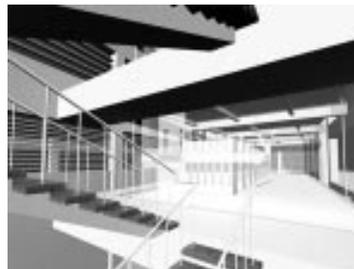
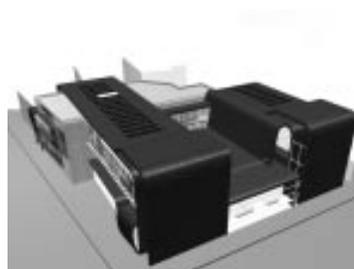
In the testing phase, students had the opportunity to communicate with far-away institutions. Collaboration between students at Ball State University and Carleton University in Ottawa began early in the semester with a field study trip to Philadelphia. Philadelphia became a shared site between the two design studios. After the trip, video-conferencing equipment was placed in studios at both to begin testing connections between the two universities, and well as simply investigating how one communicates ideas via the computer. Throughout the semester students were confronted with the issue of communication. No longer was the physical model and printed media sufficient. Students now needed to understand digital media as a means of exploration and as a vehicle for communicating. Students were encouraged to push digital media beyond simple slide shows and still imagery and into interactive presentations where control can be shared by both sides.

The final reviews for the DigitalDesignStudio were held in multiple locations. The presenters were located in the CERES gallery while remote venues were set up in the new Arts and Journalism Building atrium and the second floor lounge in the architecture building, and the presentations were distributed campuswide on VIS monitors. The presentations were also streamed over the Web using Real Media.

Collaborative Practices encompasses a wide range of possibilities for a design studio. This studio sought to link two remote sites to help facilitate the exchange of ideas on the design of a common project. The future of collaborative projects should involve those outside of architecture, including those in allied fields



of design such as industrial designers and fabricators. With the creation of digital content, designers now have the opportunity to come full circle and explore physical models created by CNC (computer numerically controlled) mills, laser cutters, and rapid-prototyping machines.



Future collaborative studios are being explored for the coming academic year between Ball State University, Hong Kong University, and the University of Calgary.

Student work by: Third Year Design Studio, Jason Wolfe, Ryan Misner

PASSIVE SOLAR RESEARCH

Alfredo Fernandez-Gonzalez

During the 2001-2002 academic year, Alfredo Fernández-González submitted three research grants that together provided \$141,170 to do research in the area of passive solar architecture. The overarching theme of his research is to investigate the effect of the mean radiant temperature on human comfort in passive solar buildings.

This research looks at comfort issues from an architect's standpoint, challenging some of the approaches and methods proposed by physicists and engineers from national laboratories. Three ques-



tions that explain why passive solar buildings have not yet made it to the mainstream are answered below:

Why do we need to study thermal comfort in passively heated buildings?

Passive solar heating was extensively researched in the United States after the 1970s oil embargo. A good number of buildings were used to test some of the innovative ideas generated during that time, and several research projects were carried out in national research laboratories and universities to define design procedures that could help architects and builders to design passive solar buildings. Why then are passive solar buildings not widely used after all these years of research? The answer to this question is complex, but perhaps one of the main reasons is the lack of information regarding the degree of compliance of passive solar buildings with thermal comfort standards. Further, comfort standards were developed and should be applied to mechanically air-conditioned buildings, and thus there is a vacuum in comfort guidelines designed specifically for passive solar buildings.

Doesn't the method developed by Balcomb address indoor temperatures in passive solar buildings?

The load collector ratio (LCR) method proposed by Balcomb et al. (1984) is the most widely used and accepted method for the design and prediction of the thermal performance of buildings passively heated using solar methods. Unfortunately, the LCR method does not provide conclusive information about the thermal conditions (air and mean radiant temperatures as well as air velocity) within the various strategies included in this guideline. Further, the conditions suggested by the LCR method are assumed to be the same across the whole floor area, giving therefore an estimate of

the lumped conditions throughout the space. This characteristic of the LCR method makes it miss the dynamic aspects that characterize thermally massive passive solar buildings, and this is precisely the most important concern if one were to look at passive solar buildings from the thermal comfort standpoint. It could be argued that at the time in which the LCR method was developed, the main concern was to save energy, and therefore, that is why this method does not make any reference to thermal comfort and how it could be evaluated or characterized. By having put thermal comfort as a secondary concern, the LCR method made passive buildings an alternative practice.

What can be expected of this study?

By monitoring all the environmental variables that affect thermal comfort in several nodes of a grid system, this study seeks to characterize comfort conditions in six different full-scale test cells (see photos). The study will determine the effect on human comfort of five different solar strategies: roofpond, sunspace, water wall, trombe wall, and direct gain. In addition, measurements of global solar radiation, outdoor air temperature, and humidity will be used and compared against a control cell to produce a correlation to predict the conditions inside each of the studied strategies as a function of the outdoor climate.

References:

(1) Balcomb, J.D., R. Jones, R. McFarland and W. Wray. 1984. *Passive Solar Heating Analysis*. Atlanta: American Society of Heating Refrigeration and Air-Conditioning Engineers, Inc.



Tony Costello, FAIA

The 2002 edition of the second Year Design Competition sponsored by the Indiana Concrete Masonry Association (ICMA) is one of the oldest traditions at the College of Architecture and Planning at Ball State University. Begun in 1968, the ICMA was the first student design competition to be held at the (then new) college, which opened its doors in September 1966.

Over the next 34 years, this competition became the "right of passage" from second to third year, and every graduate of the architecture program can well remember the exact project and site, the "all-nighters" with studio-mates, and which of the student projects won their year's competition.

The projects selected and developed by the second-year faculty attempt to engage the students in dealing with the constraints and potentials inherent in complex contexts, unique programmatic requirements, and actual sites in Indiana cities. The facilities that the students are asked to design require them to engage the critical cultural, social, educational, political, and philosophical issues facing today's society.



Project of Honor Award winner, Jonathan Lamar

This year's project, The Clarian Centre for the Study of Medical Research and Ethics, is representative of that type of project. It challenged the students to create a building of international significance, but also one that would become an important part of Indianapolis' canal development.

The quality of the 70 submissions to this year's competition was quite high, and the 10 premiated solutions solicited strong praise from faculty and thesis students in the first round of judging and from the external jury in the second. The 10 were:

HONOR AWARD WINNERS

Jonathan Lamar
Benjamin Luebke
Daniel Overbey
Bryan Sander
Nicholas Worden

MERIT AWARD WINNERS

Brianne Bergeman
Ryan Birkey
Katheryn Ellis
Zachery Hilleson
Nicholas Zimmerman

For the past 12 years, the ICMA competition has used an external jury composed of professional architects and others related to the specific yearly projects. Starting last year, faculty members from regional ACSA schools of architecture have been invited to participate. This has elevated the prestige of the competition and also proven to be an excellent way to give our state's professionals and educators from other schools of architecture an excellent insight into the exemplary quality of work being done by our architecture students after only one year of study in the departmental major.

This year's jury consisted of:

Alpha Blackburn, President, Blackburn Architects, Indianapolis
Clyde Carpenter, AIA, Associate Dean, School of Architecture, University of Kentucky
Kurt Greaf, Project Architect, Clarian Corporation, Indianapolis
Dodd Kattman, AIA, Partner, Morrison Kattman Menze, Ft. Wayne (B.Arch. '86)
Paul Laseau, Emeritus Professor of Architecture, Ball State University

This year's participating second-year design studio faculty, all of whom attended the ICMA awards dinner in Ft. Wayne on May , included Michele Chiuini, Tony Costello, FAIA, Lohren Deeg, Jackson Faber, AIA, Brian Hollars, and Elena Singh.

In appreciation of the extraordinary commitment that ICMA Executive Director Josh Naragon has made to Ball State's ICMA Student Design Competition for many years, the college and department presented him with a certificate of recognition at the annual dinner.



Daniel Overbey's model displayed at the ICMA Awards Banquet

ICMA Designs



Exterior view of ICMA Honor Award winner, Benjamin Luebke



Interior-Street Entry of Benjamin Luebke's, Honor Award Winning design



Model of Ryan Sander's award winning project



Brianne Bergeman and Dan Overbey speak on behalf of Ball State's award winners at the awards banquet

Award Winners at the Banquet in Fort Wayne. Front Row - Brianne Bergeman, Ben Luebke, Daniel Overbey, Bryan Sander and Jonathan Lamar. Back Row - Katheryn Ellis, Nicholas Worden, Zachery Hilleson, Nicholas Zimmerman and Ryan Birkey



ICMA Entry of Ryan Birkey, Merit Award Winner



Solar panels and wind powered turbines are part of sustainability concepts of Daniel Overbey's project

GERMANY/BALL STATE EXCHANGE

Harry Eggink

After two years in the making, the Germany Ball State Architecture Exchange Program has gone through its first phase.

Before coming to Ball State May 23, 2002 the German Exchange Group consisting of 11 upper-level architecture students and four professors spent three days in Chicago. In Chicago, led by former Ball State visiting professor Ekkehard Bollmann of Hannover, they toured the architecture of Frank Lloyd Wright, the office of Helmut Jahn, and other historical and contemporary art and architectural sites.



Picnic at the Eggink's

Professor Harry Eggink took the helm of the 10-day study exchange program once the group arrived in Indianapolis and Muncie, starting with a leisurely pontoon trip on the blue waters of Prairie Creek reservoir while listening to the Indianapolis 500 race.



Several field trips were incorporated into the program, as were a series of lectures, computer workshops, and a studio exchange presentation by the German students and their faculty. An architectural field trip to Columbus, Indiana, was guided by Indianapolis architect Steven Risting of Ratio Architects and Wes Janz, who also led the tour of Indianapolis a week later. Professor Michel Mounayar prepared a trip to the University of Cincinnati, where the group was able to observe the final thesis reviews and exhibit in the School of Architecture, the new buildings on campus, the urban river development, and the downtown architecture and planning.

Professor Stephen Kendall provided a lecture component of the program on building futures, and Harry Eggink spoke on urban charrettes in Indy 2001 and light frame wood construction. Professor Stacy Norman directed several electronic workshops and set up the visitors' Web site for future exchange of information.

The highlight of the program was the cultural exchange that occurred during the off hours. The evening dinner parties in Muncie at the Lough's, Bove's, Eggink's, Kendall's, and Mounayar's and one in Indianapolis hosted by the Janz's created active environments that spawned many spontaneous activities. The classical piano recital by professor Claus Pruin, the impromptu basketball and foosball games, a computer sketching drill in Eggink's studio, a detail critique in Mounayar's studio, an introduction to Janz's backyard hammock, and many architectural discussions until the late hours of the night were the true lessons of the exchange.

The tour ended with a very special architecture history walking tour led by professor James Glass, which included direct linkages to German architects who influenced the urban and building environment in Indianapolis.

Next year, phase two of the exchange will be reported following a trip by Eggink and some of our students to The Netherlands and Germany to study in their architectural culture.



Above and Left: Columbus, Indiana Field Trip tour by Steve Risting

CAP

MUDS CONTINUES TO RECEIVE LOCAL RECOGNITION

Tony Costello, FAIA

The 2001-2002 academic year yielded continued recognition for the contributions of the Muncie Urban Design Studio (MUDS) to the Muncie community. Founded in 1980, MUDS has continuously focused on its mission of applying the goals of the colleges' Community-Based Projects (CBP) Program to its hometown in response to local planning and design issues. During the past year, MUDS and its director, Tony Costello, FAIA, received recognition for the studio's involvement in both affordable housing and historic preservation, two areas in which the studio has gained national and state-wide recognition.

Opening of Maring-Hunt Library concludes preservation-adaptive reuse saga

On March 19, 2002, the Muncie Public Library's Maring-Hunt Branch Library opened in what had been the 1956 and 1964 portions of the Wilson Middle School. The Indianapolis firm of Woollen Molzan & Partners, with alumnus Todd Reinhart (B.Arch. '92) as project designer, transformed former classrooms, shop spaces, offices, and a cafeteria into a dynamic, state-of-the-art library that received rave reviews from all those who attended the opening.



Large windows admit north light to senior apartments

This occasion was made possible because in the autumn of 1997 Costello went before the Muncie School Board at the meeting where they were to approve the "Notice to Proceed" with demolition of the school and asked for a 30-day stay. A local partnership was then formed between Mansur Development, the City of Muncie, BRIDGES (a not-for-profit development corporation), and MUDS to convert the 1921 and 1927 portions of the building into affordable senior housing. Opened in early 2001, this portion of the project won the local partnership the prestigious 2001 Sandi Servaas Memorial Award from the Historic Landmarks Foundation of Indiana. Also starting in 1997, MUDS, the school corporation, and Mansur worked with the board of the Muncie Public Library to consider reuse of the 1956 and 1964 portions of the vacant school building for a new south side Muncie library branch that would combine the resources of both the Maring and Hunt branches, both of which had both become too small and outdated by modern library standards. The fruits of many months of planning and uncertainty finally resulted in the library committing to reuse of the Wilson School and the Woollen Molzan & Partners as architects.

The contributions of the studio were best summed-up in the March 16, 2002, editorial of the Muncie Star Press under its "Star" performers benefit community recognition program:

"Delaware County and east central Indiana are blessed with people, programs, and institutions that do good things. Here is a collection from recent days:

The opening of a new library is cause for celebration, so important are those resources to any community. When the new Maring-Hunt (library) opens Monday, they should fire off rockets and sound alarms all over town. For this library is something special, having arisen from a building-the former Wilson Middle School-that was nearly demolished. Grateful thanks should go to Tony Costello, Ball State University architecture professor who convinced the school officials of the value of "adaptive reuse" for an important historic building..."

MUDS recognized for commitment to vocational education in Muncie In a late April awards ceremony, MUDS received one of two 2002 Business

Partnership Awards presented by the Muncie Area Career Center (MACC) for its "sustained commitment to high school vocational education through its involvement in the 'High School House' project." The occasion was the completion of the eighth affordable housing unit by the MACC students through a partnership established in 1994 with MUDS and the Muncie Urban Enterprise Association-Muncie Home Center.

Under the direction of Costello, MUDS has supplied all of the planning and design services to this and other partnerships of the Muncie Home Center's multiprogram initiative to help revitalize Muncie's central city neighborhoods. To date, over 40 homes have been completed and sold to low- and low-moderate income families who become first-time homeowners.

The MACC students have built three-bedroom, affordable houses based on a prototype developed by MUDS under the direction of instructors Paul Campbell (1994-2001) and Lynn Waters (2001-2002). This prototype has been selected for inclusion in the pioneering electronic catalogue Design Matters: Best Practices in Affordable Housing. Sponsored and launched in October 2001 by the City Design Center of the University of Illinois/Chicago, the catalogue contains 77 case studies of exemplary projects that were jury-selected from approximately 300 submissions of affordable housing projects built in the United States in the last 20 years.

The catalogue may be accessed at:
<http://.affordablehousing.aa.uic.edu>



Views of 1956 and 1964 portions plus new entrance illustrate the transformation of school building to library.

J A P A N E S E T E A H O U S E

Anne Hoover

The garden path!

Far from the transitory world

It remains a way for us,

Why do we not shake off here

The dust from our hearts?

Sen-no-Rikyu, Japanese tea master, 1522-1591

On a freezing morning in late March, Tokyo landscape architect Makoto Suzuki and I braved the unexpected spring snow and ice to tour the proposed site of the CAP tea house and garden. I invited Suzuki, an expert in the design of Japanese gardens in the United States, to come to Ball State to support an interdisciplinary group of faculty and students working to rehabilitate professor Bruce Meyer's tea house (built by students in 1990) and to develop a plan for a "tea garden" in the college service yard. Dean Joseph Bilello, professor Michele Chiuni, and I sponsored a new CAP elective in the spring semester 2002 to develop the plans. The course involved 20 students from architecture and landscape architecture.

So, what would Suzuki think, I wondered? Had we lost our minds-developing the roji ("the dewy path" in the tea garden as a metaphor for spiritual passage) in a service yard for the CAP tea house, a design/build project badly burned by vandals in the fall of 2001. But then, the burning of tea houses (and all fragile wooden buildings in Japan, for that matter) is not new to the Japanese. Indeed, the most famous example in contemporary Japanese literature is Mishima Yukio's tale of a crazed Kyoto monk who set the Golden Pavilion ablaze. And, fire is elemental to one's understanding of Shinto beliefs.

As Suzuki and I slowly crept over the icy concrete on the south façade of CAP, I suddenly heard him exclaim: "Tanoshii desu yo!" ("This could be fun!") From his 10-day visit with us, we were encouraged to proceed on the course we had set. Two teams of students and I agreed that:

An alternative style of Tea: If the tea house could not be repaired for use by CAP and Burris/Indiana Academy students, then the garden could be used for a style of tea ceremony popular in Japan beginning in the sixteenth century: the nodate. In the nodate style tea ceremony, tea is prepared for guests by the tea master in an outdoor setting, using an open air fire instead of the traditional charcoal fire made in the hearth of the tea hut. The advantage of this alternative style is that it permits guests to enjoy the scenery "borrowed" from nature as well as changes in light and mood due to time of day and season. Additionally, the tea master uses fallen leaves or dead branches as fuel for boiling the water for tea, making the perfect connection to nature for the guests. Further, the tea master uses a large umbrella to shade guests who sit on a wooden bench and a small blanket for those seated on the ground. In conducting the tea ritual, guests can appreciate the qualities of light reflecting off the surfaces of tea utensils and bowls.

The native landscape as inspiration for design: Student teams decided to draw on the native Indiana landscape for our inspiration. One plan featured the southern Indiana hills and fields; another, a dry stream and waterfall. We recommended moving the tea house to the western edge of the service yard in order to give a view of the garden to those inside the lower level Media Center-being considered as a new "home" for a faculty lounge.

Our work "fits" the spirit and mood of Tea:

Garden path, tea-room!

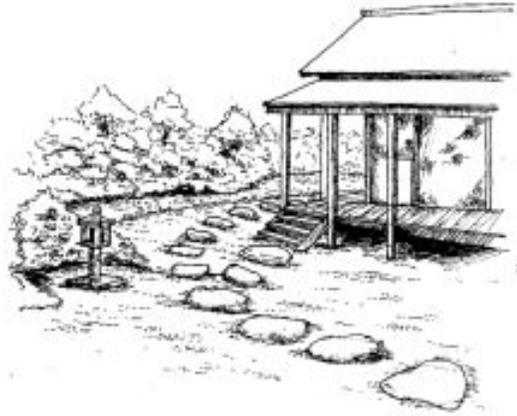
The guest and with him his host

Together at tea,

Their effect is harmony

And nothing stands between them.

Sen-n-Rikyu



LONDON: A STUDY OF LANDSCAPE AND ARCHITECTURE

Dr. Carol A. Flores

Three fourth-year landscape and five fourth-year architecture students participated in Ball State's London Centre during spring semester 2002. The director, Carol Flores from the Department of Architecture, planned a program of classes and cultural activities using London and other cities in England as learning laboratories to enable both CAP students and the students from other Ball State colleges to experience a broad range of styles and design concepts brought about through cultural and technological changes. In addition to class activities, readings, and assignments, students undertook independent research projects and travel.

Highlights for the architecture students (Jonas Gruber, David LeFevre, Liz Miller, Matt Peddie, and Seth Wealing) involved the opportunity for a distance learning studio conducted by professor Rod Underwood that included two design projects with one focused on a London location. In addition, the students were offered an architectural history elective with Flores which included meetings with project directors and tours of the office of Foster and Associates and Michael Hopkins and Partners, as well as in-depth tours of Foster's Sainsbury Centre and the offices of Willis Faber Dumas; Richard Roger's London register and the work at Canary Warf by Pelli, SOM, Pei and others. Students taking the elective also had the opportunity to sit in on student juries at the Architectural Association. Although the class focused on contemporary works, visits were made to some key structures from earlier periods including works by Sirs Christopher Wren and John Soane. The work of Norman Foster and Richard Rogers; Matt Peddie's monographic study of Hopkins' Portcullis House; Liz Miller's investigation of the cultural and design changes present in the history of the London underground, and Jonas Gruver's comparative study of selected bridges on the Thames. The students presented their research to their classmates and also produced sketchbooks and photographic studies of the

buildings observed.

For the landscape architecture students (Sarah Davis, John Payne and Rebecca Schmiesing), opportunities to experience a variety of significant design concepts were included in both the large class format and cultural trips offered as part of the London Centre, including trips to the formal gardens of Hampton Court Palace, the parks of London, Oxford's Botanical Garden, and the experience of the English landscape garden with a tour of Stourhead conducted by the head gardener, Richard Higg. Liv-



Sarah Davis (LA), John Payne, (LA), Jim Garrett and Andrew Bender discovering espaliered plantings near St. Paul's Cathedral.

ing in London provided daily opportunities for running and walking in Hyde Park and Regent's Park, as well as ample opportunity to visit London's other squares and green spaces. Both Sarah and John selected landscape topics for their large class presentations, Sarah chose "Women in the Historic British Landscape," and John studied three London Squares: Soho, St. James, and Dorset. The landscape students also had a chance to share their experiences with some of their Ball State professors and fellow students when a group lead by Malcolm Cairns and Cynthia McHone joined them in London during Ball State's spring break.

All of the students were enthusiastic about the opportunities to experience the space and materials of the buildings and landscapes they visited and to meet professionals on site. Their new and accumulated learning was reinforced in conversations and in opportunities to explain terms and ideas to the non-CAP students. Although the non-CAP students were apprehensive about venturing out from their majors in theater, business, and other disciplines, they soon learned to look more critically, to understand some basic design concepts, and to become more sensitive



Matt Peddie and David LeFevre, Channel Four by Sir Richard Rogers

to the world around them. Perhaps, most important of all, they learned that they have choices in the type of world they inhabit and that design decisions [both informed and ignored] contribute to the quality of life we lead. Hopefully, this knowledge will enable them to be enthusiastic clients and better decision makers in the future.

THERAPEUTIC GARDENS

Martha Hunt

Over the past two years, new ventures in therapeutic garden design have been developing in Landscape Architecture, under the auspices of the Land Design Institute. Both students and faculty have gained design and research opportunities, including charrettes, thesis and creative project topics, and ongoing data-gathering surveys of health care personnel, patients, and families. Post-occupancy evaluations are also on the horizon, for established and new gardens.

Modern therapeutic garden design (aka "healing" or "restorative" garden design) arises from medical research suggesting that a connection to the natural environment expedites physical, psychological, and emotional healing. Views of greenery from the patient's room, along a walkway, or into a garden can, somewhat paradoxically, both calm and energize patients and caregivers. One often-cited study is Roger Ulrich's "View Through a Window May Influence Recovery from Surgery." His findings show that the environment does, indeed, affect recovery and healing. Patients afforded a view of vegetation had shorter hospital stays, lower analgesic use, and complained less during the recovery process.

Subsequent studies have supported Ulrich's findings, and many care-giving environments are now introducing opportunities for patients to connect with nature (both indoors and outdoors) during their convalescence. Likewise, strong interest in researching the success of therapeutic gardens has developed.

Our research and design agenda in the realm of therapeutic garden design, specifically, is aimed at:

"providing therapeutic garden design experience in interdisciplinary contexts, and

"exploring the many ways in which healing processes can be supported by developing outdoor therapeutic spaces at health care facilities.

Two projects that are currently underway in east central Indiana illustrate these goals at work.

Cancer Center Garden at Ball Memorial Hospital

The project with Ball Memorial Hospital began with a site assessment to determine available opportunities of the BMH campus for therapeutic gardens. This assessment was completed during the summer of 2001 by graduate student Cheryl Chalfant, who then went on to complete her MLA creative project at the site of the hospital's new Cancer Center. In addition to developing concepts for the entryway to the center and a therapeutic garden, she interviewed several medical personnel, using the information from these interviews to develop design guidelines and concepts for the Cancer Center Garden.

The project's particular therapeutic goals are directed at meeting the needs of cancer patients who are undergoing treatment at the center, other visitors to the site, and employees. Opportunities for relaxation, for example, are provided not only for patients and others who can experience the garden outdoors, but also for those who view it from inside. At the same time, Chalfant's design concept addresses a patient's need to build stamina that may have been lost while undergoing treatment for cancer, by way of a looped path that provides varied sensory experiences at regular resting points.



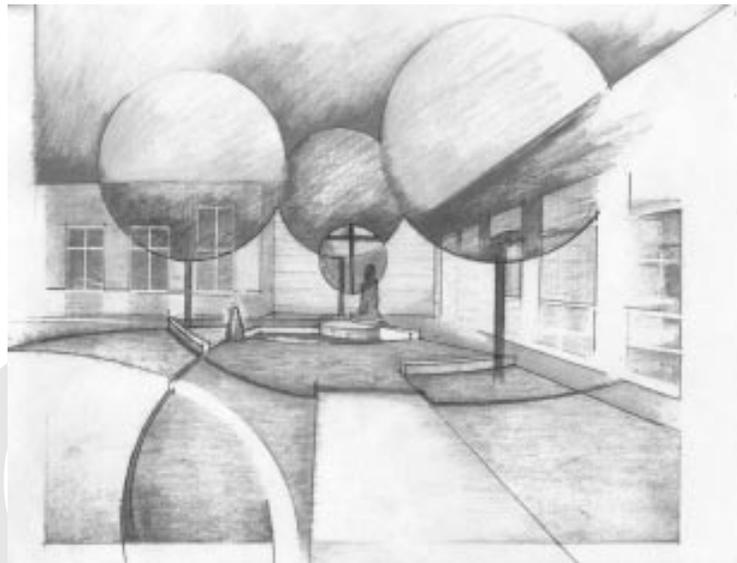
Ball Memorial Cancer Center Therapeutic Garden Design

Attention was given to cancer patients' specific needs in other subtle ways as well. For instance, plants were specifically chosen that do not have strong fragrance (which may increase nausea caused by chemotherapy), and water was used in the design concept carefully and sparingly (to accommodate prostate cancer patients, who may find water an uncomfortable stimulus).

Chalfant's concepts were given to a professional design firm to complete the working drawings, and the project is currently out for bid. At this time grants are being developed to provide funding for assistantships, faculty research (protocols), and internships.

St. Vincent Randolph County Hospital

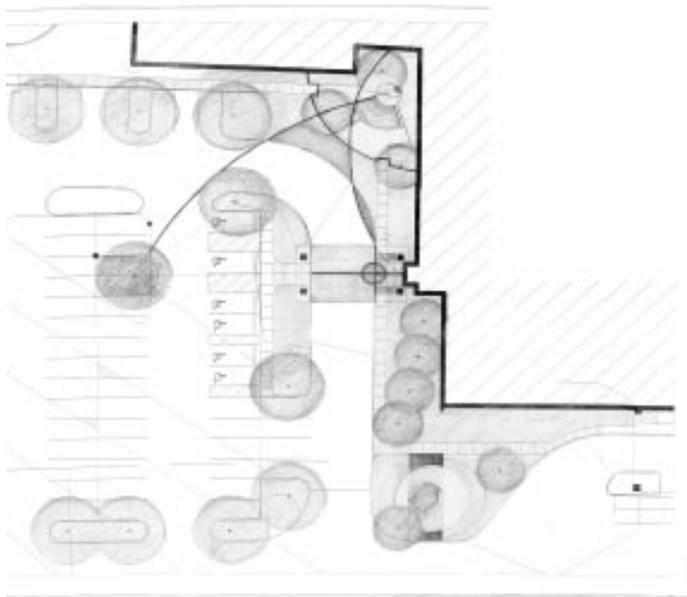
The Saint Vincent Randolph County Hospital project began this summer with a graduate internship position. The primary goal of this internship has been to complete an assessment of the hospital's 15-acre campus to identify opportunities to integrate therapeutic gardens into the site. Driving the design is hospital administrators' wishes that opportunities for spiritual contemplation be included, and that the finished landscape reflect



St. Vincent Statue

their core values (service to the poor, wisdom, integrity, creativity, reverence, and dedication).

In addition to this site assessment, a team from Ball State (professor Rob Benson, graduate student Marjorie Heckel, and myself) completed a conceptual design for the hospital's entryway, including the building's front parking lot and the "green interface" between this lot and the entrance. The resulting design concepts focus on the area around a statue of St. Vincent, a small reflective space for other saints, and a redesign of the paving pattern at the main entrance. Attention was given to symbols that connect various outdoor spaces to the building, that create places for reflection, and that enhance visual and material connections to the inte-



Conceptual Plan for Entrance of St. Vincent Randolph Hospital

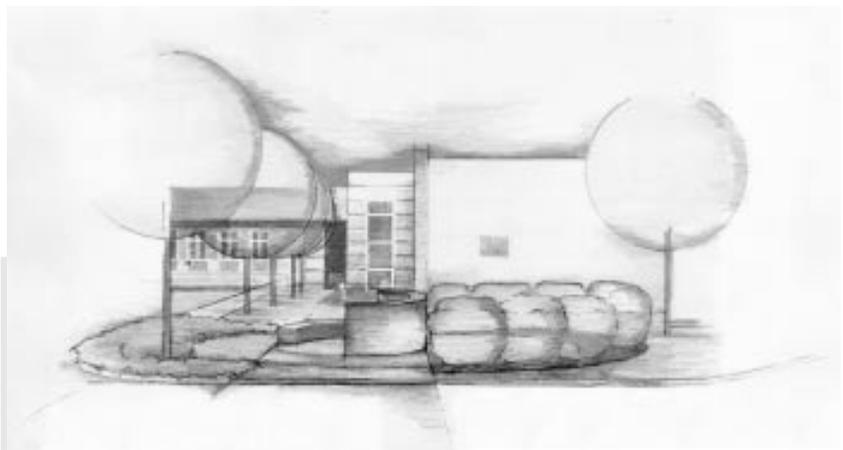
rior of the facility.

At a presentation in June, our ideas were well received, and we are now in the process of transferring this project to a design build firm for completion of the design development phase, working drawings, and construction.

The Future

In working with these regional hospitals we have found that success in designing therapeutic spaces requires that the designer play a significant role in helping the client envision the possibilities. Through ongoing interviews, in-depth research, time spent on site, and trips to places the client finds inviting and restful, the designer and client together build a greater understanding of the ways that outdoor spaces can be used to reach physical therapy goals, encourage emotional balance, and provide places for spiritual reflection. The results have been positive, with the promise of ongoing collaboration to explore, design, and study other spaces on each site.

As part of our relationship with these health care facilities, we are seeking funding from various foundations to support our work on the following: continue exploring design concepts for various sites, allow regular evaluation of the built works, publish findings, and establish continuing research assistantships for graduate students. Thanks to strong collaborative efforts from all parties involved thus far, we see great promise for being long-term partners in this design specialty.



Reflection Area Recognizing St. Louise

HIGH PERFORMANCE SCHOOL BUILDING WORKSHOP

Robert J. Koester, Director of CERES

On April 24 and 25, the Center for Energy Research/Education/Service (CERES), in collaboration with Ball State University's College of Architecture and Planning (CAP), Teachers College, and School of Continuing Education and Public Service (SCEPS) hosted a two-day workshop at the National Collegiate Athletic Association (NCAA) headquarters in Indianapolis. The workshop focused on the content of the High Performance School Buildings Resource and Strategy Guide published by the Sustainable Buildings Industry Council (SBIC), in Washington, D.C. Instructors for the workshop came from SBIC.

This gathering was one of five conferences around the country sponsored, in part, by the U.S. Department of Energy, the U.S. Environmental Protection Agency, the U.S. Department of Education, and numerous industry and technology corporations that service school construction. Local sponsors of the workshop included the Indiana Department of Commerce Division of Energy Policy and the law firms of Ice Miller and H.J. Umbaugh.

SueEllen Reed, superintendent of public instruction for the Indiana Department of Education provided opening remarks the first day of the event. Reed noted that to accommodate rapidly rising enrollments throughout the nation, some 6,000 new K-12 schools will be needed by the year 2007, and roughly 2,400 of those will be built within the next two years alone. The opportunities to achieve sustainable high performance school building construction will never be greater. The need is to become informed on how to weave such concern into the established facility design-delivery processes.

The purpose of the workshop was to provide such guidance to both procurement officers and designers. Attendees could elect either one- or two-day participation. The first day of the workshop was directed primarily to school officials, facilities managers, and administrators; day two was directed to architects and allied design professionals. Strategies were presented that can help achieve energy efficient, resource efficient, sustainable schools.

Recent research, that assessed a population of some 21,000 students in three different school districts in three different states in North America showed that students with the most daylighting in their classrooms progressed 20% faster on math tests and 26% faster on reading tests in one year as compared to those with the least amount of daylighting in their classrooms.

Most importantly, the workbook materials and workshop structure focused on the importance of whole building design and the need to

factor such powerful arguments from the research community into a comprehensive look at all design variables including daylighting, energy efficiency, and use of environmentally benign (green) materials.

In addition to the substantial content of the workshop and the opportunities for design professionals to interact with procurement personnel, the workshop was webcast to the Ball State University campus to some 35 participating students and faculty in the College of Architecture and Planning. This interactive link between the NCAA headquarters site and the Ball State campus allowed for students and faculty to question the workshop presenters and for the presentation materials to be viewed simultaneously by those attendees at the NCAA facility and those on campus.

Joe Bilello, dean of the College of Architecture and Planning, provided opening remarks signifying the importance of this link:

"Greetings from Muncie! We are in a classroom with students and faculty on the Ball State campus and are joining the conference in Indianapolis via our newly acquired World Wide Web conferencing capacity. We are pilot testing this capacity today for the third time, but for the first time in a daylong session. Thus, this is a landmark for us; it serves as a glimpse of the type of network-based, continuing education opportunities that we can all look forward to that will bring new knowledge directly to our offices and workstations."

Some 165 professionals and procurement personnel participated in each of the day's workshops and some 15 building technology corporations provided curricular materials as supplements to the workshop handbook.

Using testing and evaluation facilities now under expansion at CERES, it is anticipated that in the near future faculty and professional staff at CERES and CAP will be able to work more effectively with procurement and design personnel in the various phases of facility design, providing help measuring and validating the potential impact of daylighting in architecture. As one example, recently completed studies for an architectural firm in Ohio were instrumental in the decision to locate and properly proportion roof top aperture elements for classroom daylighting in the design of the Wayne Trace High School in Columbus, Ohio.

The attached images provide some sense of the very successful High Performance School Buildings Workshop at the NCAA headquarters.

CAP

2002 AIA NATIONAL CONVENTION

Tony Costello, FAIA

Achievements of CAP alumni showcased

When Marv Rosenman and I joined the CAP faculty in 1967-one year after its first class was admitted-one of the things that attracted both of us to move "west of the Hudson River" to Muncie, and joining the faculty at Ball State University was an opportunity to be part of a new school of architecture. Thirty-five years later as I was flying back after attending the 2002 AIA National Convention in Charlotte, North Carolina, in mid May, I spent some time thinking about just how privileged I have been to be able to have spent the past three and half decades at this school. This realization was brought into focus because I was reviewing in my mind the four days I had spent at the convention witnessing the full emergence of CAP alumni as nationally recognized leaders in many diverse areas of the architectural profession. Thus, I thought it might be of interest to all of our alumni and current students, as well as past and current faculty and friends of CAP, if I summarized these activities.

Craig Hartman, FAIA (B.Arch.'73) Design partner of the SOM-San Francisco office received two 2002 AIA National Honor Awards-the highest design award the institute bestows in the categories of architecture, urban design, or interiors-for New International Terminal, San Francisco International Airport. As project designer, Hartman presented this project at the Institute Honor Awards for Architecture and the Institute Honor Awards for Interiors. He was the only architect to speak on both panels. For those of you who may not know of this terminal project, I feel the following two jury comments offer an insight into this extraordinary project. Architecture: "A clear idea of form and space with basic elements of light. A unique

planning, partial demolition, and renovation/modernization of the remaining original units. During the two hours I spent learning about this project, I couldn't have been prouder of a CAP alumnus, for I saw the award-winning design work of his firm that spoke to their strong commitment to the revitalization of older neighborhoods. I also found out that Fishero McGuire Krueger Architects has become very well known for the design of high-end condominiums that are a critical component of downtown (called uptown!) revitalization projects. In fact, this was mentioned in an article about Charlotte's development in the May 2002 issue of Architectural Record. Fishero McGuire Krueger Architects also sponsored one of the Dining by Design events.

Sam F. Miller, AIA (B.Arch. '81) Architect with CSO Architects Engineers & Interiors, Indianapolis, participated on a panel entitled Killer Molds and Other Visitations from the Future.

Roger Neuenschwander, AIA, (B.Arch. '73) As CEO and president of Thompson Ventulett Stainback & Associates (TVS), Atlanta, Roger was one of four panel members describing the qualities that allowed TVS to win the coveted 2002 AIA Architecture Firm Award-the highest award the institute can bestow on a firm.



Above - left; New condominium by Fishero McGuire Krueger has received national attention



Charlotte Convention Center (above and left) by TVS in Atlanta

structural roof that looks like a dragonfly wings and alludes to flight." Interior: "A powerful axial approach, yet calm in its horizontality and restrained in its use of materials and color."

Dean Illingworth, FAIA (B.Arch. '74) A principal at Schmidt Associates, Indianapolis, Dean was a regional representative at the College of Fellows breakfast and meeting.

Michael J. Holtz, AIA, (B.Arch. '71) President of Architectural Energy Corporation, Boulder, Colorado. Holtz presented a half-day workshop entitled, Building Commissioning-An Emerging Market for Architectural Services.

Alan McGuire, AIA, (B.Arch. '86) As a founding principal of Fishero McGuire Krueger Architects, a Charlotte, North Carolina, based architecture firm that he and CAP classmate Mark Fishero started in the early '90s, Alan led a tour of the First Ward Housing Redevelopment Project. He was responsible for one of the first phases of the HOPE VI project, namely the

Roger also participated on a panel entitled Every Risk You Take. Appropriately, the Charlotte Convention Center is one of many such facilities designed by TVS.

Bruce Race, FAIA, (B.Arch. '80) A sole practitioner with RACESTUDIO, Berkeley, California, he attended the conference as a member of the board of directors of the AIA.

I think it is worth noting that current AIA Indiana president Steve Goffinet, AIA, (B.Arch. '80) earned two awards after his sterling finish in the 5K Fun Run and Walk. These included second place, architect participants, and, first place in his age group. I must confess that Steve had stopped sweating by the time I lumbered across the finish line!

Two other individuals with past connections to CAP, namely their teaching on our faculty as Emens Distinguished Visiting Professors of Architecture were present. They were:

Frances Halsband, FAIA Principal of R.M. Kliment & Frances Halsband, New York City, presented her firm's work on the award-winning Brooklyn Federal Courthouse project as part of a panel entitled Justice by Design: The New Urban Courthouse.

Ch
Atl

AIA National Convention (con't.)

Malcolm Holtzman, FAIA Founding partner of Hardy Holtzman Pfeiffer Associates, New York City, had a book signing session at the AIA Bookstore in the exhibitors hall for his newly published book *Stonework*. As I sat with him during the signing session, we reminisced about both being students at Pratt in the early 60s.



(Left to right) Steve Goffinet, AIA (B.Arch. '80), Dean Joe Bilello, AIA, Mike Holtz, AIA, (B.Arch. '71) and Anthony Lee, AIA, (B.Arch. '83) enjoy food and fellowship at the reception.



Alumni (left to right) Anthony Lee, AIA, (B.Arch. '83) Bruce Brace, FAIA, (B.Arch. '80) Dean Illingworth, FAIA, (B.Arch. '74) along with Dean Joe Bilello, AIA, and Founding Dean Charles Sappenfield, FAIA, engage in discussions at the BSU/CAP reception.

Having read this, I hope that you feel the same sense of pride as I do in the accomplishments of these alumni and colleagues on the national stage of the architectural profession. It bodes well for those who will follow, and I hope provides a sense of satisfaction in those of us who played a small role in their preparation for their outstanding careers.

reCAP

DEPARTMENT NEWS

Ana de Brea is a new faculty member in the Department of Architecture, having already spent one year with us as a visiting professor from her native Argentina. Ana is an architect and journalist, has published widely and has organized numerous exhibitions in the field of arts and architecture. She received her Diploma in Architecture from Buenos Aires National University in 1986. Since that time she has taught at the architecture program there and has been chief editor of *Architecture and Design* (weekly supplement) to the *El Cronista* Newspaper in Buenos Aires. She will be teaching in studio and in research and theory courses.

Quinsan Cio comes to the Department of Architecture from Virginia Polytechnic Institute. She holds a Ph.D. in Architecture from the University of California-Berkeley. Her expertise is in the field of Building Technology, Acoustics and Lighting with computer simulation, and Epistemological Theories and Methodologies in Design and Planning. She has established her contribution in the academic field of architectural design theory and science in both her pioneering development of fuzzy design analysis and reasoning (a theoretical orientation) and her novel work in environmental/architectural computing and simulation (a practical domain).

Kevin Klinger comes to the Department of Architecture from the University of Cincinnati. He holds a master of architecture degree from the University of Illinois at Urbana-Champaign. He studied at the Ecole d'Architecture de Versailles, France from 1993-1994. His expertise is in the field of digital media and design communications. He is on the board of ACADIA (Association for Computer Aided Design in Architecture), and is editor of a national e-journal in the field of digital media. He will be conducting research and teaching studios and seminars in the subject of his expertise.

Arijit Sen comes to the Department of Architecture from the University of California, Berkeley, where he received his Ph.D. in Architecture in May 2002. Sen received his bachelor of architecture degree from the University of Bombay and his master of architecture degree from Iowa State University. His Ph.D. focused on urban cultural landscapes of South Asian immigrants in the Bay Area in the last century. He taught design studios and seminars in social and cultural factors in architecture, the history of design and the relationship between culture, ethnicity and housing. He will teach studio, research methods and seminars in his areas of expertise.

FACULTY NEWS

Tony Costello, FAIA, presented two, half-day, sessions on eight renowned architects who designed buildings in Columbus, Indiana in the 1960s-1970s, for the Columbus Visitors Center's guide training program in February 2001. He co-directed the St. Francis-BSU Newman Parish's Haiti Service Mission to Plaisance, Haiti, over the 2002 spring break (see related article). Costello had an article entitled *Reflections* published in *CRIT53* (2002) the national publication of the AIAS, and had his current research entitled *The Charrette Process: Factors Affecting the Dynamics of the Team*, accepted for the 2002 ACSA-IAR (Research) poster session at both the National ACSA Conference in New Orleans in April and the National AIA Convention in Charlotte, North Carolina, in May. He was an invited presenter of the MUDS Affordable Housing Program at the HUD Innovative Affordable Housing Design Conference in Nashville, Tennessee, in June. Finally, he appears in the documentary film *The Rural Studio-Proceed and be Bold*, which was shown at the Whitney Museum in New York City as part of major exhibits on the work of Auburn University's Rural Studio and the late Samuel "Sambo" Mockbee, FAIA.

Carol A. Flores, associate professor, has received two awards for recent publications. The first, the Catherine Bauer Wurster Prize, awarded by the Society for American City and Regional Planning History, "honors the

best scholarly article on American City and Regional Planning History" within a two-year period. The article "Sixty and Out: Techwood Homes Transformed by Enemies and Friends," *The Journal of Urban History*, vol. 26, no. 3: 275-311, March, 2000, authored by *Larry Keating and Flores* received the award for 2001. In presenting the award, *Kristin M. Szylvian* said:



"Keating and Flores showed how Atlanta's Techwood Homes offers an example of consistency in federal housing policy. Neither at the time of its construction by the Public Works Administration in 1934, nor when it was razed to make room for redevelopment near the site of the 1996 Summer Olympic Games were the housing needs of the neighborhood's low- and middle-income families considered before those of vested economic and political interests. Planned under the guidance of New Deal reformers to foster community interaction, Techwood Homes fell to the wrecking ball despite its listing on the National Register of Historic Places as a sacrifice to corporate, academic, and development interestes who preferred "public relations" to adequate support for "public welfare." Keating and Flores utilized archival material, demographic and economic data, personal interviews, and a variety of other sources as bases for an article that offers scholars of American city and regional planning history a model for the blending of historical and contemporary urban political and economic analysis.

Catherine Bauer Wurster would, the committee believed, be greatly saddened to know that a community of homes for working families that was designed to function as part of the broader urban fabric is now gone. She would, however, be gratified to know that there are scholars such as Keating and Flores who follow in her wake offering valuable critiques of American housing and urban planning policy."

Flores also received the Best Article of 2001 Award from the Southeast Chapter of the Society of Architectural Historians for her article "Engaging the Mind's Eye: the Use of Inscriptions in the Architecture of Owen Jones and A.W.N. Pugin," *Journal of Architectural Historians*, 60:2, June, 2001, 158-179.

Both awards were presented in October 2001. During the same month, Flores presented a paper entitled "Owen Jones and the Crystal Palace" at the Iron and Glass: the Crystal Palace and its Influence Conference, sponsored by the Institution of Structural Engineers in London.

During spring semester 2002, Flores served as the director of Ball State's London Centre.

Jim Glass was elected vice-chair of the Board of Director of the Historic Landmarks Foundation of Indiana in April 2002.

Paul Laseau, professor emeritus, recently had a translation published by The Peoples Republic of China Press of his *Architectural Representation Handbook*. He has also signed a contract with W.W. Norton for a book on freehand sketching.



THE ARCHITECTSHARE SUMMER 2002 STUDIO

Veronica Vela

During first summer session, the students in Jack Wyman's fourth-year design studio spent their academic time constructing and installing architectural components for Bob Githens' new house at 813 W. Neely Street. As you may recall, "Woodshop Bob's" house burned down early one April morning in 2000. Two summer sessions ago, students in a similar studio designed a new house for Bob on the same site featuring details in the foundation, floor framing, roofing, and other areas unfamiliar to the construction industry in Indiana. The new house also represents successful integration of a contemporary architectural design within a traditional residential neighborhood.

Bob was awarded the national 1999 AIA/ACSA Allied Professionals Award for his many service activities on behalf of the CAP students and faculty, including using his own vacation time to help our college-based Habitat for Humanity chapter to construct a house in New Orleans during spring break one year. The new residence was designed during the tenure of former dean Jeff Hall, now professor of landscape architecture. Pam Harwood served as a design/build process consultant along with Scott Truex. Rod Underwood, Rob Benson, and Jeff Hall all lent their help at various times as structural, landscape architecture, and/or design consultants. The house, now a mainly do-it-yourself project, will be completed soon under the college administration of Dean Joe Bilello and architecture department chair Brian Sinclair. Two students, Aaron Betzner and Blake Wagoner, have received academic credit for construction administration and coordination, with Wagoner contributing as-built working drawings.

The summer 2002 team consisted of the following students: Zachary Benedict, Brandon Farley, Erin McCloskey, Anthony Paiano, Jeremy Vannice, Veronica Vela, and Mike Winn, with special occasional assistance from fellow classmate Tavin Yeiter. They constructed building components such as decks, ramps, plant shelves, and handrails. By the end of the five-week session they had the ramp in its upper landing and supports finished and installed. Developing teamwork is one of the benefits of the project. One student observed we they has been together in class for three years but had never worked together as a team. Githens and Wyman thought their teamwork was natural, very productive, and an example to the college and professions. One student's required summary evaluation is reproduced with

her permission below.

"As design students, I think that sometimes we can forget that architecture is a public profession. In our projects, we get lost in individualistic ideas-creating objects with little or no connection to the community fabric surrounding it. This is a contradictory idea since objects only become architecture when people create space within it. We must remember that we are designing for people.

In school, exploring a larger idea that corresponds with a design is beneficial to our growth, both as designers and people, but I believe that our education should strive to balance this individualized growth with social awareness. This is vital because, eventually, we will be in the workforce where we must not only communicate with a construction crew, but also with our clients.

I believe that Jack Wyman's studio was a beneficial experience because it gently reminded us that our paper projects are only as good as the product because this is the final judgment for our ideas. Our studio assignment involved working with a patient client (Bob Githens) to complete detailing for his residence on Neely Avenue. I say "patient" because Bob had to endure our first attempts at using various tools around the woodshop.

Most of the design was already developed before we began the studio, but Bob was very open about changes in design and construction. I doubt if we could have had a better client. He understood that letting us make our mistakes (and, then, trying to figure out how to fix them) would be the best learning device, but I learned much more than the physical lesson of how to use a screw gun.

The physical nature of the studio reinforced information that I learned in my technology courses. By viewing architecture at a smaller scale, I am now more appreciative of the labor involved in architectural detailing and connections. In my architecture, I will be more aware of connections of different materials - taking architecture one-step further than conceptualization of an idea.

I think that one of the most important ideas expressed in the studio was teamwork. Since first year, we have strayed from working with each other. This makes no sense because in the workforce, we must be able to work well with a variety of groups to accomplish a singular goal-proving again that architecture is a public profession."



Spring Architectshare Studio

Jack Wyman

The eighth ARCHITECTSHARE fifth-year architectural design studio was completed spring semester 2002. To outfit the studio, students furnished their own personal computers; most of them have both laptops and desktops. The college and department furnished servers for networking and a rendering station, a telephone for technical support, and peripherals including a plotter, two printers, and a scanner. The studio is furnished with desks, storage units, and adjustable chairs for each student and his or her faculty critic.

Erin Lottino and Taryn Vrane from Andy Seager's studio were recognized by the architecture department chair with the Thesis Award for Interdisciplinary Collaboration. They designed a magnet high school for the fine arts in downtown

Gary. Department critics were professors Pam Harwood and Marvin Rosenman with outside consultants Tracy Cross, director of the Indiana Academy for Science, Mathematics and the Humanities and Melinda Messineo from the Department of Sociology.

Josh Vermillion received a \$6,000 communication grant to design a Web site for our studio. His efforts can be seen at www.bsui.edu/web/arkitekshare. It is designed so each student can plug his or her own information in to it. It is about 75 percent complete. The grant also will provide several thousand CD copies of the studio's efforts to be shared among the students in the studio and their faculty.

We are still finding that there are well paying positions available for good students with strong computer skills who are willing to go to the job. Their opportunities have been strong even in a difficult job market. All of the students had very good jobs before graduation.

The postprofessional Master of Architecture degree program is jumping with energy provided by new students, engaged faculty, stimulating visitors, and challenging activities.

Students: Enrollment is up (five new students in 2000, eleven in 2001, thirteen in Fall 2002). Many receive financial support through Fulbright scholarships, iCommunication grants (provided by Lilly Endowment, Inc., to support information technology initiatives), or the graduate school. Peer-reviewed papers are presented at international conferences. Individuals from Argentina, China, Germany, India, Mexico, Nepal, Thailand, Turkey, the United States, and Yugoslavia are enrolled. Recent graduates have landed jobs at SOM (Chicago) and Moore Ruble Yudell (Santa Monica).

Faculty: Many departmental and college faculty are involved. One example: as part of the New Topics course, faculty from architecture, planning, and landscape architecture discussed their new work with students. The class also spoke with professionals outside CAP (marketing consultant, architect/author, coordinator of the National Institute of Urban Affairs in New Delhi, India, and co-director of UniverCity 2002). And recent B.Arch. graduates working in high profile offices were interviewed: Kevin Kleyla (Rafael Vinoly Architects), TJ Swanson (Gehry and Associates), and Brandon Welling (mOrphosis). Among the "new topics" considered during the semester: technology and the changing workplace, digital technology expansion, digital fabrication, rapid prototypers, critical practice, humanizing the architect, returning students to their roots, the role of immersion and accidents, museums as new cathedrals, global population growth, urban poverty and child development, ecologically and culturally responsible land design, and south Asia.

Visitors: Four "scholars in residence" visited the program. Each stayed four days, worked exclusively in the graduate program, participated in classes, and offered a mini-course. The scholars were Robert Beckley of the University of Michigan, Walter Grondzik of Florida A&M University, and Brian Carter and Annette

LeCuyer, also of the University of Michigan. Beckley was a dean for ten years, had FAIA status (before withdrawing from the AIA), and consults on urban planning projects throughout Michigan. Grondzik is the immediate past president of the Architectural Research Centers Consortium. Carter and LeCuyer just published *All American: Innovation in American Architecture* and in summer 2002 they served as Pietro Belluschi Visiting Fellows at the University of Oregon.

Activities: Among the highlights of the past academic year: the Greening of the Campus conference, a five-day tour of Minneapolis, and a field trip to Chicago that included a visit to Valerio Dewalt Train. This year we will participate in UniverCity and work with esteemed Indian architect Charles Correa, Chinese architect Yung-Ho Chang (B.S./Arch. '83), and Madhura Prematilleke, an urban designer and architect in Sri Lanka. In early 2001, one student toured south Asia as part of the 10-week CapAsia field study. He then visited Japan and analyzed buildings by Tadao Ando as part of his master's thesis research. Another graduate student (from Germany) will participate in CapAsia in spring 2003 and conduct research on squatter settlements in New Delhi as part of her thesis.

It is an exciting time in the Master of Architecture program. We are developing areas of concentration, including building technology, sustainability and design, digital media, critical practice, and space and spirituality, and doing important work in each specialization. If you want additional information, please contact program director Wes Janz at wjanz@bsu.edu.

National Bus Shelter Competition

Alumnus wins top award, honorable mentions

Second-year students from the Department of Architecture participated in the National Bus Shelter Competition sponsored by the Bloomington (Indiana) Arts Commission during the spring semester 2002 design studio sequence. The competition, open to artists, architects, and designers nationwide, called for the design of up to three free-standing bus shelters for construction along the Third Street corridor in Bloomington. The competition closed on April 19, 2002, with several students submitting under the guidance of second-year studio critics Irving Distinguished Professor of Architecture, Tony Costello, FAIA, Professor Michele Chiuni, Assistant Professor Elena Kobets-Singh, and Assistant Professor Lohren Deeg. The competition program was adopted for a two- to three- week studio project at the beginning of the spring semester. Final competition results were posted on the Bloomington Arts Commission Web site on June 2, 2002.

Lohren Deeg

CAP Alumnus and Master's candidate Matthew Ellenwood (B.Arch. '99), won first place and three honorable mentions. Matt submitted three designs and received an award or mention for each design, as well as for the set. Matt is currently an intern with the Muncie Alliance Church and is also employed by Kato Design Studio of Anderson, Indiana. Congratulations to Matt!

For more information on the National Bus Shelter Competition, awards, and images, please see the Bloomington Arts Commission Web site:

http://www.city.bloomington.in.us/engineering/arts_commission/shelter/winners.html

In Buenos Aires at the Museum of Modern Art

Ana de Brea

Thoughts from the South

Particularly in Buenos Aires, architecture is always a subject of debate. There are many groups that organize events where the architecture is the main topic of discussion. Paralelo 35 is one of such group. Being part of the same generation, seven architects and professors of architecture at universities of Argentina, Luis Bruno, Ana de Brea, Fabian de la Fuente, Claudio Ferrari, Pablo Ferreiro, Adrián Sebastian, and Marcelo Vila decided in 1997 to create an architecture discussion group at the Museum of Modern Art of Buenos Aires (MAMba).

Since that time, seminars, lectures, debates, and exhibits have provided the opportunities to discuss different aspects of architecture and to host many important visitors from different cities around the world. Visiting lecturers to the Paralelo 35 group over the past two years have included Joao Carrilho da Graca, Gonzalo Byrne, and Adalberto Diaz, all from Portugal; Pablo Beitia from Buenos Aires, who won the first prize in the Iberoamericana Biennial for his Xul Solar Museum, the concrete building that exhibits the work of Xul Solar, a famous painter from Argentina; and Rafael Iglesia from Rosario, Santa Fe, the only Argentinian architect selected by the Mies van der Rohe Foundation in Barcelona, Spain, to participate in Mies van der Rohe Latinoamerican Prize 2001.

This year, a new event is taking place: "Thoughts from the South." Twenty young teams (offices of architecture) from different cities of the country were invited by the group to present their works as architects to spark discussion and debate every Tuesday night at the Museum. The series is being coordinated by important critics of architecture representing different national publications: Tomás Dagnino (El Cronista Arquitectura), Berto González Montaner (Clarín Arquitectura), Graciela Melgarejo (La Nación Arquitectura), and Fernando Diez (Summa). Even though the country is having a difficult time, every Tuesday night more than two hundred students and professionals participate with questions and opinions. An exhibit tied to the series including photographs and drawings was presented at the museum in July, and a publication documenting the main comments and questions of this series is to be published at the end of the year.

William B. Hart Jr., chairman of the board of trustees, National Trust for Historic Preservation, visited Ball State on January 28 and 29 and toured the historic preservation facilities of the college, discussing class projects, graduate assistantships, and student master's theses with preservation students. He also met with the preservation students to discuss future directions for the National Trust and was the guest of honor at a dinner attended by President Blaine A. Brownell, then-Provost Warren Vander Hill, Indiana First Lady Judy O'Bannon, Muncie and Indiana civic leaders, college faculty, and preservation students. A discussion by all guests of their favorite historic buildings was a highlight of the dinner.

Travis McDonald, director of restoration for Thomas Jefferson's poplar forest in Bedford County, Virginia, spoke at the College of Architecture and Planning on March 18 as part of the spring guest lecture series. McDonald discussed the evolution of the meticulous restoration that has been carried out over the past 15 years at one of the premier museum properties in the country. He also met with preservation students and discussed career options related to res-



Prof. Andy Seager shows visitors from the Midwest Preservation Symposium the model of downtown Indianapolis created by architect Edward Pierre in the 1950s.

toration in the preservation field.

On April 12, through the efforts of professors Jonathan Spodek and Michele Chiuini, Elisabetta Rosina of the Polytechnic of Milan presented a workshop for preservation students and other preservation professionals on the use of infrared thermography to detect the structure of historic buildings and problems within walls. After a class session on the theory of thermography, workshop participants used the sophisticated technology to assess deterioration at the former Muncie Masonic Temple.

The 2002 Midwest Historic Preservation Symposium, a meeting of leaders from nonprofit preservation organizations, State Historic Preservation Offices, Main Street programs, and preservation educators, was held at Ball State on April 26. About 30 participants toured the preservation studio, preservation laboratory, and the Drawing and Document archive and met students and faculty. A reception in the Ball State Museum of Art followed, and later a dinner was held in the historic Recital Hall of the Fine Arts Building. After dinner, a panel of preservation educators,

Reid Williamson of Historic Landmarks Foundation, and Andrew Halter, a graduating Master's student in historic preservation, discussed the strengths of several preservation degree programs and challenges for preservation education.

At the College awards ceremony on April 19, the following students won preservation awards: Catherine Compton received the David R. Hermansen Historic Preservation Award; Shannon Hill received the Out-

s t a n d i n g
Master's Thesis Award in Historic Preservation for her thesis on the Indianapolis Home S h o w ;
C a t h e r i n e
Compton received the Out-
s t a n d i n g
Master's Creative Project in Historic Preservation for her project on adaptive use possibilities for the former opera



Preservation student, Robert Brookover points out the proper way to tuckpoint brick masonry in the Preservation Laboratory, as part of the Midwest Preservation Symposium sessions at Ball State.

house in Farmland, Indiana; Russell Archer received the Preservation Merit Award for leadership and scholarship by a first year student; and second year students Robert Brookover, Cheri Clinkenbeard, Catherine Compton, Jill Downs, Shannon Hill, and Lucy-Jane Fitzsimmons were nominated to Sigma Pi Kappa, the National Historic Preservation Honor Society.

* Graduating student Andrew Halter was selected by the Center for Preservation Initiatives of Washington, D.C., to be the first Efroymsen Preservation Executive Fellow. Andrew will work for 3 months during the summer of 2002 for major preservation agencies and organizations in Washington and then return to Indiana to work as a management fellow at Historic Landmarks Foundation of Indiana and the Division of Historic Preservation and Archaeology, Indiana Department of Natural Resources.

* The 2002-2003 recipient of the David R. Hermansen Memorial Scholarship for the Study of Historic Preservation and Restoration is Todd Ravesloot of St. John, Indiana. Todd is a 2002 graduate of Purdue University with a degree in building construction management.



Reid Williamson, President of Historic Landmarks Foundation of Indiana, makes a point during the panel discussion on "Preservation Education and the Preservation Profession," held in Recital Hall of the Fine Arts Building, part of the Midwest Preservation Symposium. Frank Quinn of Heritage, Ohio is on his left and second year preservation student Andrew Halter is on his right.

2002 Sabados Scholarships

Awarded by Peggy Sabados

2002 Sabados Scholarships awarded by Peggy Sabados

For the twelfth year in a row, the annual CAP Awards Ceremony provided the setting for the awarding of the Glen Sabados Memorial Scholarships. This year scholarships were given to Zach Hilleson of Muncie, and Tiffany Burkholder of Pettisville, Ohio. Both have just completed their second year of studies in the Department of Architecture. Zach is a 1999 graduate of Muncie Central High School and transferred to Ball State after two years at Valparaiso University.

Peggy Sabados, a resident of Chicago who created the scholarship in 1990 in honor of her deceased son Glen, made her traditional trip to Muncie, along with her mother Dorothy, so that she could personally announce the awards and meet the winners of the two \$1,000 scholarships. "Peggy and Dorothy's annual visit has truly become one of the treasured traditions of the CAP Awards Ceremony," noted Tony Costello, co-chair with Peggy of the scholarship program. This year Dorothy made sure that her doctors knew that she had to be released from a stay in a Chicago-area hospital on Wednesday so that she could travel to Muncie on Thursday afternoon to be at the Friday ceremonies. That's illustrative of the dedication and commitment that Peggy, Dorothy, and the Sabados family have to this scholarship program."

The scholarship program requires that potential recipients are nominated by fellow second-year architecture students, then selected by the architecture faculty. Both of this year's recipients received multiple nominations that highlighted their striving for excellence in studio and academic courses, outstanding work ethic, and genuine care and concern for fellow students. Costello noted, "It's really amazing that each year's recipi-



Back row -L to R: Tony Costello, 2001 winners, Brendan Brown and Julie Danevicz, 2002 winners, Tiffany Burkholder, Zachary Hilleson, Peggy Sabados, 1999 Award winners, Megan Phillippe and Amanda Russell. Dorothy is in the front.



2002 Sabados Scholarship winners pose with Peggy Sabados. L-R: Zachary Hilleson, Peggy Sabados and Tiffany Burkholder

ents are a testimony to the insightfulness of the entire second-year architecture class in that they really do know best who among them possess these qualities that Glen so strongly exhibited while a student here."

Continuing a tradition began several years ago, Peggy and Dorothy had lunch prior to the awards ceremony with last year's (2001) winners, Julie Danevicz and Brendan Brown, as well as the 1999 winners, Megan Phillippe and Amanda Russell. Earlier in the day, they had breakfast with former departmental secretary Marsha Weaver and Costello. Costello observed, "It is obvious that Peggy really enjoys the strong friendships she has developed over time with past winners and others here at CAP."

He concluded, "Peggy's continuing contact and friendship certainly enrich all of us and one cannot help but be moved each year when she speaks to the gathered 'CAP family' in the atrium and personally awards the scholarships named for Glen. To me, this is an amazing expression of unconditional love for a son who was taken too soon and serves as an inspiration for how a person with faith can turn personal tragedy into triumph."

fall 2002

Faculty News

Rob Benson received a CERES Fellowship for 2001-2002. His research concentrated on the relationship of physical and cultural sustainability in contemporary science fiction. He also presented two papers at the 2001 CELA meeting in San Luis Obispo, California: "Horizontality! Linearity! Velocity! Tracking Space-time and Landscape Perception of the 'Pioneer Zephyr'-The reopening of the West" and "The Sustainable Dune Revisited." Rob is also co-teaching a course this fall with professor of music George Wolf entitled Environment and the Arts.

Joe Blalock has received an iCommunication grant to begin preliminary work on what he is calling an "American Landscape Grand Tour." The project will feature an itinerary for travel to sites essential to the understanding of the American designed and cultural landscape. Virtual field trips and Webcam opportunities are planned. He is also working on a Ball State University creative teaching grant that would incorporate Web-cam technology into the landscape engineering sequence.



Malcolm Cairns organized a spring break trip to London with 12 students in March. The weather wasn't the best, but the London scenes were outstanding. Side trips took the group to Stonehenge and the Gardens at Stourhead, a day trip hosted by architecture professor Carol Flores who was serving as the spring semester coordinator for Ball State's London Center. He also recently completed a historic landscape master plan for Muncie's *Appeal to the Great Spirit* landscape.

German Cruz presented a paper titled "Getting There: Part II" at the Small Cities Conference hosted by Ball State's Center for Middletown Studies. The paper focused on attempts to mend Muncie's fractured urban fabric.

Cruz has continued this theme with a series of opinion columns in the *Muncie Star Press* about the community's continued romance with urban sprawl.

The student chapter of ASPA awarded its 2001-2002 Faculty Award to German Cruz for Outstanding Student Relations, Personal Achievement and Stewardship of the Land.

Dave Ferguson has accepted the position of Director of the Center for Media Design in the College of Communication, Information, and Media for the upcoming year.

Ferguson and Eric Kelly hosted a delegation of visitors to CAP from the Shanghai Social Science Institute. The visit included discussions about planning initiatives and opportunities in the rapidly expanding metropolitan region.

Ferguson's work as director of the CAP Land Design Institute has included the offering of Ecological Restoration Workshops in Muncie and Indianapolis.

Ferguson also continues to serve as vice president of Delaware Greenways. They had a ribbon cut-

ting for the new extension of the Cardinal Greenway (north to Gaston), the Trailhead in McCullough Park, and the ground breaking for Phase I of the White River Greenway.

Jeff Hall used a special leave in the fall of 2001 to begin developing oral histories related to historic landscape architects of Indiana. He is also serving in the newly created position of academic advisor to the College's 150 first-year students. This program was funded by a grant from Lilly Endowment, Inc., awarded to Ball State.

Anne Hoover presented a paper about the landscape preservation issues faced by the 'stroll gardens' of the Edo period in Japan at the International Federation of Landscape Architects meeting in Singapore in July 2001. She also recently spoke at the Alliance for Historic Landscape Preservation annual meeting at the International Peace Garden in Dundeith, North Dakota/Brandon, Manitoba. Her paper was entitled "Hiroshima Peace Memorial Park: from 'victim' to 'victimizer.'" She has also been part of a Ball State delegation to Korea, laying the groundwork for a series of digital seminar classes being created as an iCommunication funded exchange between Ball State and Kyunghee University in Seoul.

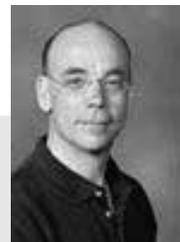
Martha Hunt received a grant from Ball Memorial Hospital in Muncie to investigate the potential to develop a therapeutic garden in conjunction with the hospital's cancer unit now under construction. She has been working with graduate student Cheryl Chalfant (M.L.A. '02) on the design the garden, which was the focus of Chalfant's masters thesis. Hunt also recently presented papers at national conferences on the subjects of paradise gardens, and landscape planning for wildlife rehabilitation.

John Motloch was awarded one of the Department's two CERES fellowships for 2001-2002. Motloch's work concentrated on a proposal to create a Land Lab on one of the university's field station properties. The lab will feature the University's first *green* building, an environmental education center. He also has received a grant to create an educational partnership between Ball State and Brazil focused on education for sustainability partnering and a grant from Indiana Higher Education Telecommunication System (IHETS) to extend his work in the creation of the Second Chance Game, a one-day, on-site experiential environmental game, to a six-lesson module for sixth grade teachers available through IHETS.

George Smith and **David Ferguson** received an iCommunication grant to create an international think tank on education for sustainability. This project has resulted in an international conference that Ball State hosted at the Earth Centre in Doncaster, United Kingdom in March. The conference focused on the creation of a network of institutions interested in sustainable landscape planning and design practices. Representatives from the Earth Centre visited Ball State in June. A video/internet conference involving Ball State and the Earth Centre will take place in September.

Les Smith's Design Build elective course has completed its third phase of construction at the Minnetrista Cultural Center's Nature Study Area. A former gravel pit (and dump) has been transformed into a series of water basins, paths, bridges, decks, and overlooks by the Ball State LA 498/598 classes over the past few years. This year's efforts resulted in the construction of an amphitheatre and an walkway overlooking the ponds. The work of Smith and his students was recognized at an awards picnic and ceremony in April.

He continues his work in the area of equestrian facility design through his apprenticeship and collaboration with Capt. Mark Phillips on two projects in Norwood, North Carolina and St. Louis Missouri. He also attended an international course designer training seminar in April 2002 at the Kentucky Horse Park.



Ron Spangler taught a perennial and herbaceous plants class on the road this past summer. Offered through the CAP Indianapolis Center, the plants class was taught using the gardens of the Indianapolis Museum of Art, the Holcomb Gardens at Butler, and the gardens of Holliday Park. The department is planning to have summer course offerings at the CAPIndy Center on a regular basis. Spangler also received a commendation from community leaders for his continuing work in the development of the White River Greenway in Muncie.



Class of 2002: ASLA Certificates of Honor and Merit

The Indiana Chapter of the American Society of Landscape Architects and Ball State University's Department of Landscape Architecture are pleased to announce the recipients of the 2002 ASLA Student Awards of Honor and Merit.

Certificate of Honor Recipients

Cheryl Chalfant
Casey May
Carrie Palasinski

Certificate of Merit Recipients

Brian Bishop
Suzanne Brenner
Eric Goodman
Eric Tharp
Nicole Wolf

Class of 2002: Positions Accepted

Brian Bishop, MLA—Storrow Kinsella Associates, Indianapolis
Suzi Brenner—Hart/Howerton, San Francisco, California
Cheryl Chalfant, MLA—Rundell Ernstberger Associates, Muncie
Luke Dickey—Stimmel & Associates, Winston-Salem, North Carolina
Jocelyn Dohner—James B. Evans & Assoc., Lexington, Kentucky
SuLin Ellerbrook—Griner, Grand Rapids, Michigan
Darren Gerlach—Lawn Pride, Indianapolis
Chad Handley—Treemendous, Naperville, Illinois
Kelly Lunz—Fanning Howey, Celina, Ohio
Doug MacDonald, MLA—Ciavonne & Associates, Grand Junction, Colorado
Casey May—Browning Day Mullins Dierdorf, Indianapolis
Carrie Palasinski—OCBA, Kalamazoo, Michigan
Christy VanHorn—Claire Bennett Associates, Indianapolis
Nicole Wolf—Human Nature, Cincinnati



LA Grad Studios serving Indiana Communities and Citizens

LA Graduate Student gives her presentation on the "Geneva Proud" Limberlost Project during the summer.

The Graduate Regional Design Studio (LA 604) developed a GIS-based series of landscape planning projects that focused on public access and interpretation of the Limberlost state historic site, including the connection of this unique natural site to the adjacent town of Geneva. In addition to initial presentations to state officials, members of the class also presented project profiles to a town meeting hosted by Geneva Proud, Inc.

German Cruz's LA 605 studio worked with the Muncie Rotary clubs in the preparation of designs for a community park adjacent to the Cardinal

Greenway. The studio was organized in the manner of a professional office complete with its own stationary and business cards. Professor Cruz: "The primary purpose was to provide students with a real experience in real projects done in real time with real clients." Representatives of both chapters of the Muncie Rotary Club requested this assistance for the conceptual design for the property along the Cardinal Greenway between Jackson Street and Burlington Road near the Blaine Street neighborhood in southeast Muncie. During an intense eight-week period, the graduate design studio students interviewed the client, developed a design program, surveyed the history of the community, analyzed the site and surrounding areas, produced preliminary concepts, presented the concepts to the client, revised the concepts to reflect input, and prepared a tabloid format document to illustrate both the process and the recommendations. A final presentation for officials and interested members of the Rotary Clubs was held at the college where copies of the final report were delivered. Preliminary cost estimates were also prepared. The Rotary Club is now pursuing funding and developing implementation strategies for the project.

Above, LA 202 students, directed by professors David



Ferguson and Cindy McHone worked with Minnetrista Cultural Center/Oakhurst Gardens staff in creating site-specific works of environmental art on the grounds of the MCC in Muncie.

Fairmount Park design was a three-week graduate LA 602 studio project, which involved site analysis, concept development, and detailed site design for a small urban park site. The project, which was requested by residents of Fairmount, produced six different scenario designs.

Salamonie Reservoir and State Forest. LA 401 students developed master plans for the redevelopment of this state property. Project presentations were made to a group of Indiana DNR officials, including DNR landscape architect Chris Baas, (B.L.A. '88).

Community Design Project: Irving Materials, Inc.; Anderson Site

The sand and gravel extraction industry, criticized in the past for its environmental impact, is engaged in a self-directed effort to improve its environmental repu-

tation. The Indiana Mineral Aggregates Association (IMAA) is coordinating this effort. Irving Materials, Inc. (IMI), an IMAA member with multi-state operations, is extracting mineral resources from several sites in Anderson, Indiana, with the intent of reclaiming the mined land as commercial, industrial, residential, or mixed-use sites.

This spring, the *LA 603 Housing and Community Design studio* included a redevelopment and community design project in Anderson, Indiana. The project began with a one-week class charrette to assess the area of the Killbuck Creek corridor from the Lakes of Killbuck to its outflow into the White River (approximately two miles), including present land use, environmental issues to be addressed, and community development potential. This first phase included team-generated conceptual master plans for redeveloping the area, including recommendations for abandoned, underutilized, or potentially problematic areas, and sites whose use will expire within 10-20 years. Following the charrette, each student selected a portion of the Killbuck Creek corridor for individual community design redevelopment. Students applied knowledge about how to integrate infrastructure and topography they had gained from previous studio assignments. They sought to identify and respond to site conditions, maximize sense of place and community, minimize development impacts, increase site character, provide personal property as part of a viable community, increase neighborhood identity, integrate their selected site into the larger community, and optimize "project yield" within environmental, sense of place, and sense of community objectives.

Irving Material, Inc. and IMAA representatives attending the students' final presentations requested that the individual projects of Andy Albright and Jeffrey Nicolson be displayed and discussed as part of the IMAA annual meeting in Indianapolis. During the IMAA meeting, these projects were also viewed by John R. Hill, Associate Director, Indiana Geological Survey. Hill subsequently requested that these projects also be exhibited in the annual national meeting of the Association of American State Geologists (AASG), which is being hosted this year by the Indiana Geological Survey. These two projects were included in this national AASG meeting in July 2002.

In fall 2001, the *LA 301 Housing and Community Design studio* participated with the second year master's of historic preservation studio in a collaboration to develop preservation studies for historic *Knightstown, Indiana*. Knightstown is located on the Old National Road/U.S. 40. The students collaborated with the community to produce downtown restoration plans and designs for the town. Professors *George Smith and Jonathan Spodek* directed these efforts.

National Landscape Architecture Week

April 20-28 was National Landscape Architecture Week. Centennial ASLA Awards Projects and 100 Parks 100 Years were displayed in CAP hallways, and the department hosted a party for Frederick Law Olmsted's 180th birthday in the gallery. Thanks to the efforts of *Kristi Farnsworth* (B.L.A. '92), the CAP gallery was filled with an exhibit profiling the landscape architecture work of EDAAW. Kristi is a landscape architect for the firm's Alexandria, Virginia, office.

LA Alumni News

Malcolm Cairns travelled to Denver in June to visit the sizeable contingent of LA alumni in the area. Thanks to **Dave Land** (B.L.A. '92) and **Michelle Frazee** (B.L.A. '97) of Davis Partnership and **Tim Seibert** (B.L.A.'92) of NES for organizing the get-together at Wynkoop's with 15 in attendance. Additional visits to Boulder and Colorado Springs rounded out the trip. Alumni seen sometime during the trip included: **Bill Vitek** '80, **Tom Papadinoff** '85, **Tim Seibert** '92, **Dave Land** '92, **Chris Lieber** '92, **Kevin Benton**'94, **Mark Bernstein** '94, **Chris Moore** '94, **Tim Piper** '97, **Julie Fowble** '00, **Chris Whitted** '00, **Cody Humphrey** '01, **Darin Delay** '01, **Jason Alwine** '01, **Jason Gilliland** '01, and **John Ridenour**, fifth year LA.

The College was saddened to hear of the death of **Daniel Grandfield** (M.L.A. '89) in April 2002. Daniel lost a courageous battle with brain cancer.

Alumni Squares

The department asked LA alumni to submit a one-foot square illustrating current professional work. The display case on the second floor of the CAP building features the 36 submissions received to date. *Thanks to all who sent a square. Late submissions are still welcome.*

Alumni in their Profession

Tim Seibert (B.L.A. '92) Colorado Springs, Colorado, President of the Colorado Chapter, ASLA

Ron Taylor (B.L.A. '93) Indianapolis, Indiana Chapter representative, ASLA National Board of Trustees

Deb Schmucker (B.L.A. '87) Indianapolis, President of the Indiana Chapter, ASLA

Kevin McCrory (B.L.A. '75) LandPlan Group, Fort Wayne, Indiana Chapter, ASLA Immediate Past President

Steve Kolwicz (B.L.A. '95) EDG, Columbus, Ohio, VP for Communications. Ohio Chapter, ASLA

Eric Sauer (B.L.A. '91) Envision-works, Inc. Dayton, Ohio, Chair, Miami Section, Ohio Chapter, ASLA

Kenn and Mary Bates, (both B.L.A. '99) Canin Associates and HHI Design, Orlando, Florida, active in Florida Chapter, ASLA Awards Program; Mary is co-chair, Design Awards Committee. Kenn is responsible for graphic design and printing of the awards publication.

National Garden Club Award

The Landscape Architecture Department is proud to announce that *John Motloch* has been awarded the National Garden Club *Award of Excellence*, the highest award given by the organization. Only three of these national awards may be given annually.

This award is given to "an individual, organization, or institution having made a significant contribution toward the advancement of the goals and purposes of National Garden Clubs, Inc."

The National Garden Club award nomination praised John as "a national leader in landscape design education and in the protection and conservation of natural resources....Dr. Motloch is an avid supporter of the Scholarship Program of the Garden Club of Indiana, Inc. In appreciation of his dedication to the program and his outstanding cooperation with the Scholarship Committee, the Garden Club of Indiana named one of its scholarships in his honor."

This award was announced April 18, 2002 at the Awards Luncheon of the Garden Clubs of Indiana's Annual Convention in Indianapolis. The awards program also included recognition of Ball State and Purdue student recipients of 2001-2002 Garden Club of Indiana scholarships. Twelve Ball State landscape architecture students received this award last year and were in attendance at the luncheon to be recognized. Since 1977, the Garden Club of Indiana has provided over one hundred \$1,000 scholarships to Ball State landscape architecture students.

LANDSCAPE ARCHITECTURE

LAND DESIGN INSTITUTE

The Land Design Institute (LDI) completed a successful year that included development of a number of new projects with outside funding in excess of \$100,000. LDI research associate Martha Hunt, working with graduate and undergraduate students, coordinated a partnership with Ball Memorial Hospital and other health facilities in the development of therapeutic landscapes. The outcomes included a master plan for Ball Memorial Hospital and an M.L.A. thesis by Cheryl Chalfant that focused on a therapeutic garden at the hospital's new oncology center.

Research associate George Smith worked with Dave Ferguson on the Global Media Network: Education for Sustainability project, funded by Ball State's iCommunications initiative. The network is intended to provide a Web-based home for education and research in sustainable development. Partners around the globe will be sharing information and educational content with Ball State and with each other electronically and in person.

Research associate John Motloch was awarded grants to further develop a "resource balancing" game that will teach sustainable resource decision-making to students at the K-12 and university levels. Motloch was also awarded an iCommunication grant to

pursue a partner relationship with Brazil. In addition, John is working as a CERES fellow to develop a program for a Land Lab that would be based at Ball State and would provide environmental education and sustainable technology demonstration.

Dave Ferguson, LDI director, continued the Ecological Restoration Workshop program by coordinating several workshops on constructed wetlands and ecological restoration, including a workshop on constructed wetlands for wastewater treatment at the new CAP/Indy Center in June. The workshop was directed toward design professionals and was attended by civil engineers and landscape architects in the Indianapolis area. Dave also continued his involvement with partners in Shanghai, China, hosting a contingent from Shanghai in February and developing with them a number of LDI and university projects.

Kathy Poole and Life of Water Exhibit with the first year students.



EDAW Exhibit in the gallery, Spring, 2002.

2002

Urban Planning Chair, J. Paul Mitchell Retires

Dear Colleagues, Alumni, and Friends,

It is Friday, June 28, my final day of employment, and I am sitting in my office amidst the last remnants of 40 years as a university professor, 20 of which have been in the Department of Urban Planning. Sorting through the mountains of stuff has been humbling, exhausting, and rewarding. File drawers of lecture notes, student papers, theses, research notes, professional papers and journal articles I was "going to read later" have been reduced to the bare minimum - a pickup truck load for home and a mountain of recycling bags. But I haven't had to sort through and discard the memories of the many students and colleagues who have enriched my life along the way--those I take with me. It has reminded me how lucky I have been to spend my working life in such

an interesting and challenging way.

Life goes on in new ways, and so does the life of the department. With two new faculty, including our new chair Bruce Frankel, our programs will continue their excellence and move in new directions called for as times continue to change.

Lis and I are continuing our lives in Muncie, though we have plans to travel about the state, nation and world. I hope to see you at conferences, alumni gatherings, and wherever, maybe even that baseball game we've always talked about. My e-mail is lismitchell@comcast.net. Let's keep in touch.

J. Paul Mitchell



Faculty members, students, staff and family members of Paul Mitchell gathered in the atrium to wish him a happy retirement



DEPARTMENT NEWS

New Urban Planning Chair Named

Bruce Frankel has been named Chair of the Department of Urban Planning following a national search. Since 1971, Frankel has served as an educator at University of Pennsylvania and Rutgers in the fields of planning, real estate, urban affairs, and public policy; as a manager of governmental operations advancing planning, intergovernmental relations, local public works, housing, and economic development; as a consultant on a range of public affairs issues to governments at all three levels, national and regional corporations, both for-profit and non-profit, and universities; and as an accomplished entrepreneur and chief executive in the field of real estate and business development.

Frankel holds a doctorate as well as professional and academic degrees from the University of Pennsylvania. He has held government and professional certifications in real estate, planning, environmental risk assessment, appraisal, health care operations, and construction management, and has applied these certifications to a broadly based professional experience. For the past 13 years, he has been a member of the full-time and part-time faculty of Rutgers University and the University of Pennsylvania, with a distinguished record of institutional advancement in new curricula and external affairs. He is author of independent and sponsored research published by 41 academic, professional, and governmental authorities. He has received awards and honors for research, teaching, and public service from four leading universities, as well as civic organizations and government agencies.

Frankel also has served as expert consultant and witness on a broad range of planning, government operations, tax, fiscal and monetary policies, and housing and economic development matters before local planning and zoning boards, improvement authorities, state courts, and state and federal legislative and administrative agencies. He is an economist, housing expert, and market and financial underwriting analyst to major industrial corporations, production homebuilders, REITs, central banks, institutional lenders, and real estate professionals.

Urban Planning News

David Keuhl has been appointed to fill the position formerly held by Scott Truex. Dr. Keuhl is a native of Ontario, Canada with a Bachelor's degree in psychology from Brigham Young, Master of Arts in planning from the University of Iowa, and a Ph.D. in urban affairs and planning from Virginia Tech. He has been an instructor at Virginia Tech and is interested in environmental design, land use and policy.

Nihal Perera visited Sri Lanka and Thailand last fall to complete a research project on the advent of urban planning in Sri Lanka and begin another on comparative "postcolonial" urbanism. He also visited Chulalongkorn University and King Mongkut University of Technology to develop a Bangkok-based component for CapAsia III. Last February, Nihal was invited by the Sri Lanka Institute of Architects to address its national forum on *Urban Renaissance through City Architecture*, and by the Institute of Town Planners to give a public talk on the state of spatial development in Sri Lanka. Nihal recently completed a book chapter on "Feminizing the city" and a journal article on "Indigenizing the colonial city." Both pieces contribute to the small but expanding field of subaltern studies in social space.

Jim Segedy received the American Planning Association's Divisions Council Award for Individual Achievement, presented at this year's APA conference in Chicago, for his work with communities and the Small Town and Rural Planning Division of APA. CBP projects he directed in both Fortville, Indiana and Tamaqua, Pennsylvania were recognized with Awards for Excellence from APA's Small Town and Rural Planning Division. Segedy is now Coordinator of the CAP First Year Program and will assume the responsibilities of Director of Community-Based Projects in the fall. He has made 11 presentations since January at state and national planning conferences.

Over his career, he has provided faculty leadership and advisory services to universities resulting in improved professional and academic degree curricula, applied research funding, and improved external relations. He has a record of institutional development through procurement of more than \$100 million in funds from government and private sources for research and curricula development, community and economic development, and other public purposes. His professional acumen has been applied to strategic planning and marketing and in forming strategic alliances. He is an expert negotiator in financial and joint venture contracting, in public/private partnerships, and in building collegial consensus and shared decision making in the university setting.



For 24 years he has served as a chief executive or departmental director and in the management of the administrative and fiscal affairs of business and complex government organizations and the significant projects of their various clients and constituencies.

Frankel brings a new vision and an assertive leadership style that should enable the Department of Urban Planning to substantively enhance its programs, particularly at the graduate levels and strengthen its outreach initiatives beyond the campus.

Eric Damian Kelly continues his service for a number of state planning and land use agencies, including membership on the Indiana Land Resources Council (appointed by the Governor), the professional Advisory Board of the Nature Conservancy of Indiana, plenary speaker for the state conference of the Indiana Association of Soil and Water Conservation Districts, and an all-day training session for the Indiana Farm Bureau.

The department has been active in Indianapolis. *Nihal Perera* taught an urban design course in the CAPIndy Center this spring, which was part of our memorandum of understanding with SPEA's graduate planning program at IUPUI. Four of their graduate students took that course. This fall six of our students in the 36-hour MURP program will take a course offered by SPEA. Six of our BUPD graduates have been accepted into that MURP program and will continue their studies, from their base in Indianapolis. Some of them will be working with the Indianapolis' Department of Metropolitan Development on the completion of their Regional Center 2025 Plan. *Scott Truex*, who left the university last year, has returned to Indiana and will be coordinating that plan under contract with the DMD while also coordinating the CAPIndy Center.

CAP Alumni Day was held Saturday, April 20. All five alumni receiving Awards of Outstanding Achievement and Distinguished Alumnus Awards were present. Late morning, they made presentations of their work to the alumni, faculty and students. The strength of the work presented confirmed that this event will become a permanent part of Alumni Day.

In the evening at the evening banquet and awards ceremony the following alumni receiving awards were: **Dennis Gordon, FAICP**, (U.R.S. '75) and **Craig Mullins, AIA** (B.Arch. '71) Distinguished Alumnus Awards. **Paul Harding, AIA** (B.Arch. '75), **Jeff Kingsbury** (B.U.P.D. '91) and **Ronald Menze, AIA** (B.Arch. '79) received Awards of Outstanding Achievement. Three faculty members received the Charles M. Sappenfield Award of Excellence, they were **Tony Costello, FAIA**, **Marvin Rosenman, AIA** and **Dan Woodfin**. **Doug Kelbaugh, FAIA**, Architect and Dean at University of Michigan gave a keynote address entitled "Repairing the American Metropolis" that inspired all attendees.



The 2002 Charles M. Sappenfield Award of Excellence recipients were: Tony Costello, Dan Woodfin and Marvin Rosenman

Doug Kelbaugh, FAIA, Professor and Dean at the University of Michigan gives the keynote address at Alumni Day



Alumni Society Governing Board

The Governing Board of the Alumni Society is pleased to announce three new members to the board, they are; **Diana Brenner** (B.Arch. '92), President of Brenner Design in Indianapolis, **Debra Kunce** (B.Arch. '93) who is with Schmidt Associates of Indianapolis and **Mike McKay** (B.Arch. '87) who is working in Fort Wayne at Morrison Kattman Menze, Inc. The new board members will serve a three-year terms with the option of a second term. They are replacing outgoing board members **Hal Kovert** (B.Arch. '76), **Sheila Snider** (B.Arch. '74) and **Ron Menze** (B.Arch. '79).

The Alumni Society Governing Board has voted to move Alumni Day from the Spring to the Fall in hopes of increasing attendance. The next Alumni Day will be in the Fall of 2003.



The Alumni Award winners from left to right: Jeff Kingsbury, Paul Harding, Ronald Menze, Dennis Gordon and Craig Mullins

eCap is sent monthly to all alumni for whom we have e-mail addresses. If you are not receiving eCap please send your e-mail address to Patricia Quinn at pquinn2@bsu.edu. ReCAP will be published on an annual basis. If you have news you would like published in the monthly eCAP newsletter please forward it to Pat as well. Past issues of eCAP are available on the CAP website.

Jack Morgan (B.Arch. '73) works in Indianapolis for A/E Technologies, Inc. where he is head of Studio Number 3. He works mainly on churches throughout the Midwest and Southeast and is currently working on a church in Harvey, Illinois.

David B. Daugherty (U.R.S. '75) was named "Professional of Year" by the Ohio Chamber of Commerce Executives. Daugherty has been in chamber management since 1977 and has held positions in Indiana, Ohio, and Colorado. He currently is the president/CEO of the Mid-Miami Valley Chamber of Commerce with offices in Middletown, Ohio. Daugherty has been with the Mid-Miami Valley Chamber since 1996.

Kevin McCrory (B.L.A. '75) works at the LandPlan Group in Fort Wayne. He is also the Indiana Chapter, ASLA Immediate Past President.

William R. Iverson (B.Arch. '76) got married on Sept. 9, 2001 and honeymooned in the Western Caribbean. The couple is living in Winfield, Illinois.

Jim Davis (M.L.A. '82) is with Landtech in Indianapolis. He had an article, titled "Irrigation: Do it Right," published in *Athletic Turf* (7/01). He also provided irrigation short courses for the LA department's engineering classes.

Ned Crankshaw (B.L.A. '84) is associate professor of landscape architecture in the Department of Landscape Architecture at the University of Kentucky. His work "Kentucky Streetscape Design Guidelines" was featured in *Vineyard* (III:2), published by the National Park Service.

Thomas Kerwin (B.Arch. '86) has been named a partner in the office of Skidmore, Owings & Merrill. Tom is in the Chicago office of SOM. He visited campus in the fall when fellow partner Craig Hartman (B.Arch. '73) returned to receive a Distinguished Alumnus Award from the Ball State University Alumni Association.

Terrence J. Sorg (B.Arch. '86) graduated cum laude from the Indiana University School of Law in 1997. He is practicing law in the area of construction litigation at Brooks Koch & Sorg in Indianapolis. He and his wife Janet had their first child in January.

Christopher Vernon (B.S. '86) is senior lecturer at the University of Western Australia in Perth. He authored *A Vision Splendid: How the Griffins Imagined Australia's Capitol*, National Archives of Australia, 2002, Vernon recently toured the United States speaking about the reissued early 20th century publication *Prairie Spirit* in *Landscape Gardening* for which he provided the new introduction. Vernon also stars in *City of Dreams* a Film Australia documentary about the work of Walter Burley Griffin and Marion Mahoney in the design of Canberra.

Kristin (Gravelle) Spivey (B.Arch. '87) married Christopher Spivey on September 15, 2001. They are living in Denver. Kristin moved back to the United States during the summer of 2001 after living and working in Riga, Latvia, for four years. While in Riga she worked for a firm doing project management and firm development. Most of their projects were reconstruction projects. She is currently looking for employment in that field in the Denver area.

Julie (Carson) Kern (B.Arch. '89) married Rick Kern in 1994. They live in Sunman, Indiana and have two daughters, Kitley, born April 3, 2000, and Indy, born May 31, 2001. Julie works for Harrell Group, Inc., in Cincinnati, which specializes in healthcare facilities. She has been practicing healthcare architecture since she graduated.

Tim Berneche (B.Arch. '90) has recently been named a Senior Associate at the architecture firm of Fanning/Howey Associates, Inc. in Michigan City,

Indiana. Recent projects include Avon Lake, Ohio High School, New Lebanon, Ohio Schools, and Lowell, Indiana High School additions and removals. He has also worked on projects for Goshen and Elkhart Central High Schools in Indiana. Tim lives in Chesterton, Indiana with his wife **Lauren (DeSanto)** (B.Arch. '90) and their twin daughters Shannon and Nichole who will be five in November.

Steve Schaecher (B.Arch. '90) had his second book *Mobile Homes by Famous Architects* published in April 2002 by Pomegranate Communications. He also has had a 2003 wall calendar published based on his first book, *Outhouses by Famous Architects* the calendar will be available in August.

Eric Sauer (B.L.A. '91) is at Envision-works, Inc., in Dayton, Ohio. He is also chair of the Miami Section, Ohio Chapter of the ASLA.

Matt Swanson, (B.L.A. '91) has been with Gene Bates Golf Design since 1991. The firm joined with Fred Couples to form *Couples Bates Golf Design*, Palm Beach Gardens, Florida in 1995. Swanson has had the opportunity to design golf courses around the world including El Gouna on the Red Sea in Egypt, Le Maitre in Mont Tremblant, north of Montreal; and Mitake Hanatopia Golf Club north of Nagoya, Japan. He and his wife Debbie have three children and are active members of the Palm Beach Baptist Church.

Tom Gallagher (B.L.A. '92) taught part time in the landscape architecture department and was the director of the College's CAPIndy Center. He maintains his own private practice in Indianapolis.

Tim Seibert (B.L.A. '92) lives in Colorado Springs. He is president of the Colorado Chapter of the ASLA.

Scott Dietz (B.Arch. '93) and his wife, Tammy, and their children, moved from North Carolina to Ohio where Scott is a project architect with McGill Smith Punshon, Inc., in Cincinnati. They are living in Liberty, Indiana.

Bret Poi (B.L.A. '93) is a senior landscape architect and coordinator for the scenic byways program for the Maine Department of Transportation. He lives in Dresden, Maine.

Ron Taylor (B.L.A. '93) of Indianapolis is the Indiana Chapter representative to the ASLA National Board of Trustees.

Mike Frazee (B.L.A. '94) is with Mesa Design Group in Dallas. He had a project profiled in *Landscape Architecture Magazine*. The Allen, Texas Trails Plan that he worked on also received an award from the Texas Chapter of the ASLA.

Veronica Auguste-Barbon (M.Arch. '95) recently completed the Theatre & Drama/Neal-Marshall Education Center at Indiana University's main campus in



Photos by Barry Halkin

Bloomington. The center, which houses the Department of Theatre and Drama and the Black Cultural Center and African American Arts Institute, contains a proscenium theater, an experimental theater, dance studios, and a grand hall with supporting spaces including a costume shop, scene shop, acting and directing studios, dressing rooms, classrooms, offices, lecture hall, libraries, and exhibit spaces. The Philadelphia office of MGA Partners is architect for the center. Veronica and Catherine Broh are project architects for the 28 million dollar center; partners-in-charge are Alan Greenberger, Daniel Kelly, and Robert Shuman.

Steve Kolwicz (B.L.A. '95) of EDG in Columbus, Ohio, is the vice president for communications for the Ohio Chapter of the ASLA.

Jenni (Confer) Russ (B.L.A. '96) and her husband, Joe, were blessed with the birth of a son, David Robert, on September 16, 2001. They live in Indianapolis.

Obadiah Swafford (B.S. '97) is working in South Bend, Indiana at ADG, Inc.

Thomas McConnell (B.Arch. '98) is living in Fort Lauderdale, Florida and working for Zelch & McMahon.

Neil Patterson (M.L.A. '98) and his wife, Amy, live in Grand Rapids, Michigan. Neil is staying home with their daughter, Sophia Margaret, born September 1, 2001, while Amy teaches at Calvin College.

Mark Thielen (B.S. '98) lives in Irving, Texas where he works for DNA Productions. He worked on animation for the film *Jimmy Neutron: Boy Genius* and he will be animating for the TV series of *Jimmy Neutron*. He and Teresa Thumser were married on May 10, 2002.

Kenn Bates (B.L.A. '99) is working at Canin Associates in Orlando, Florida. He is also responsible for the graphic design and printing of the ASLA Awards publication for the Florida Chapter.

Mary Bates (B.L.A. '99) is working at HHI Design in Orlando, Florida. She is also co-chair of the Design Awards Committee for the Florida Chapter of ASLA.

Jeremy Betz (B.Arch. '99) and Teresa Balbach were married on November 10, 2001. They are living in Jasper, Indiana.

Mark Dwyer (B.Arch. '99) is living in Cambridge, Massachusetts while pursuing a master of architecture degree at the Graduate School of Design at Harvard. He plans to complete his graduate studies in the spring of 2003.

Matthew Ellenwood (B.Arch. '99) a masters candidate in the M.Arch. program at CAP won first place in the Bloomington, (Indiana) Bus Shelter Competition. Matt is currently an intern with the Muncie Alliance Church and is employed by Kato Design Studio in Anderson, Indiana.

Adam Mow (B.Arch. '99) is attending law school at the University of Utah.

Mark Siekman (B.Arch. '99) is working at Brailsford & Dunlavey in Washington, D.C. Mark and his wife, Kelly O'Neal are living in Odenton, Maryland.

Yiwei Lui's (M.Arch. '00) winning project "Transparency vs. Opaque: Design of US Embassy in Korea" was published in the US Department of State's Overseas Building Operation publication of the ACSA administered competition in 2000 for a US Embassy for the New Millennium, (p 40-41). Andrea Swartz was the faculty sponsor.

Sean Rotar (B.L.A. '00) received his M.L.A. from the University of Illinois last spring and has accepted a position with Thomas Graceffa Associates in Rockford, Illinois.

Ron Wilcox (M.L.A. '00) was chosen to run as an Olympic Torchbearer as part of an "Inspirational Pairs Program." Ron grew up in the Delaware County Orphanage and despite that handicap graduated from Ball State University with undergraduate and graduate degrees. He had nominated Mark S. "Shark" Bird (Ball State University '90 and '95) to run in the Olympic Torch Relay because as a camp counselor he was instrumental in guiding Ron through a very difficult childhood. The organizers of the Winter Olympics chose them both to run. Ron lives in Knox, Indiana.

Amy M. Beyer (B.Arch. '01) is living in Cincinnati and working at Champlin/Haupt Architects, Inc. She is engaged to marry Paul Owens (B.Arch. '01) in September of 2002.

Serena Bodner (B.Arch. '01) is living in Cambridge, Massachusetts, and working at Carter Burgess.

James Brough (B.Arch. '01) is living in Chicago and working at Daniel P. Coffey and Associates, Ltd.

Medley Byers (B.Arch. '01) is living in Lafayette, Indiana, and working at Keystone Architecture. She does volunteer work for North Central Indiana Spay Neuter and Rescue.

Brian Campbell (B.Arch. '01) married Christine Connor on September 8, 2001. They live in Columbus, Indiana where Brian works for Frank M. Adams Jr. & Associates.

Ryan Grogg (B.Arch. '01) is living in Sarasota, Florida, and working at the ADP Group.

Kelli Hahn (B.U.P.D. '01) is living in Indianapolis and working for the City of Carmel. She and Russ Lawrence are planning an April 2002 wedding.

Robert Helfen (B.Arch. '01) is living in Chicago near Wrigley Field and work in Evergreen Park, Illinois, for Craig Kouri Architects, Ltd.

Shawn McDowell (B.U.P.D. '01) is living in Denver, Colorado, and working in Aurora for the city of Aurora.

Benjamin Montoya (B.Arch. '01) is living in Seattle, Washington. He is serving a one-year term as an AmeriCorps-VISTA volunteer working with information systems and grant writing for Seattle Habitat for Humanity.

Nadia Semkiu (B.L.A. '01) is living in Indianapolis and working for Indianapolis Parks.

Greg Shearon (M.L.A. '01) is living in Mishawaka, Indiana, where he is the associate planner for the City of Mishawaka.

Steven C. Zabel (B.Arch. '01) is living in Vancouver, British Columbia, and attending Vancouver Film School studying visual effects and 3-D animation.

Brandon Bogan (B.Arch. '02) is living in Indianapolis and working with a large contingent of CAP alumni at CSO Architects.

Cheryl Chalfant (B.L.A. '02) is living in Muncie and working for Rundell Ernstberger Associates.

Luke Dickey (B.L.A. '02) is living in Winston-Salem, North Carolina and working at Stimmel Associates.

Natalie Downs (B.U.P.D. '02) is attending graduate school at the University of Illinois at Urbana-Champaign.

Jonah Garoutte (B.Arch. '02) and Joy Eshelman were married in Fort Wayne on June 22. They are making their home in Fort Wayne where Jonah works for Design Collaborative.

Chad Hamlin (B.Arch. '02) is living in Atlanta, Georgia, and working at Thompson Ventulett Stainback & Associates. He is working on his IDP credits so that he can become registered in Georgia. He plans to attend graduate school working towards an M.B.A.

Chad Handley (B.L.A. '02) is working in Plainfield, Illinois, at Tremendous Landscape Co.

Jason Hartz (B.Arch. '02) is living in Nashville, Tennessee, and working at Earl Swensson Associates.

Paul Jordan (B.Arch. '02) is living in Fishers, Indiana, and working at Peterson Architecture in nearby Noblesville.

Stephen J. Karwan (B.Arch. '02) is working for Lee Nichols Architecture in Charlotte, North Carolina. He relocated to Charlotte after commencement.

Jeremy Koomler (B.Arch. '02) is living in Fort Wayne and working for Design Collaborative. He was married on June 29, 2002.

Bradley Krohn (B.Arch. '02) is living in New Albany, Indiana, and working for The Estopinal Group in Jeffersonville. He and Angela Hoeping, a BSU alumnus, were married on July 27, 2002, in Indianapolis.

Rebecca Lehman (B.U.P.D.'02) is living in Seattle. She is pursuing an Urban Design Certificate and Masters of Urban Planning at the University of Washington, and working for the Department of Transportation.

Kelly Lunz (B.L.A. '02) is living in Celina, Ohio, and working at Fanning/Howey Associates. Fanning/Howey specializes in the design of schools, so Kelly is busy learning codes and standards for schools.

Casey May (B.L.A. '02) is living in Indianapolis and working at Browning Day Mullins Dierdorf.

Christopher Reiter (B.Arch. '02) is attending graduate school at CAP working towards an M.Arch. degree.

Wendi Schoenfeldt (B.L.A. '02) is living in Troy, Michigan and working for Michael J. Dul and Associates, Inc., in Birmingham, Michigan. She traveled through Europe for a month this summer visiting London, Paris, Brugge, Amsterdam, Munich, Zurich, Genebe, Barcelona, Koln, Marseilles, Nice, Venice, Florence, and Rome.

Shanna Sporleder Wiechel (B.Arch. '02) and Dan Wiechel (B.Arch. '02) were married on May 18, 2002. They have moved to St. Louis and are both working for Christner, Inc., in nearby Clayton.

Christy VanHorn (B.L.A. '02) is living in Indianapolis and working for Claire Bennett Associates.

Meena Viswanath (B.U.P.D. '02) is living in Woodridge, Illinois, and working for the City of Naperville.

David Wagner (B.Arch. '02) is living in Anderson, Indiana and working at Paul I. Cripe in Indianapolis. He was married to Elizabeth Murray on July 26.

Nicole Wolf (B.L.A. '02) is living in Cincinnati and working at Human Nature, Inc.

IN MEMORIAM

The College was saddened to hear about the deaths of two of our alumni this spring.

Daniel Grandfield (M.L.A. '89) passed away in April 2002 in Valparaiso, Indiana. Daniel lost a courageous battle with brain cancer.

Nicolas Smith (B.Arch. '97) passed away in May 2002 as a result of complications from surgery for a brain tumor. Nic leaves behind his wife **Katrin Klingenburg**, M.Arch. '96. Services were held in his hometown of Champaign, Illinois.

ALUMNUS HONORED

The Ball State University Alumni Association gave Craig W. Hartman (B.Arch. '73) a Distinguished Alumnus Award. The award was presented during the 2001 Homecoming Weekend. The College of Architecture and Planning Alumni Society also honored Hartman, a senior design partner at Skidmore, Owings & Merrill, with a Distinguished Alumnus Award in 1997.

Hartman returned to campus to receive the award. His visit was highlighted by a reception on Friday at the CAPIndy center where he was greeted by faculty and alumni and was roasted by Tony Costello and Marvin Rosenman. He later provided a lecture to a full house in the college auditorium that featured a comprehensive look at his work. On Saturday morning he rode in the Ball State Homecoming Parade accompanied by Tony Costello and the not-so-synchronized AIAS marchers.

Hartman, who resides in San Francisco, began his career in the Chicago office of SOM and became a partner in 1985. He has been chairman of the Skidmore, Owings, & Merrill Foundation since 1995 and is on the board of San Francisco's Architectural Heritage Foundation.



Craig Hartman, 2001 BSU Distinguished Alumnus rides in the Homecoming Parade



The American Institute of Architecture Students (AIAS), under the leadership of Tony Costello, marched with Craig Hartman in the Homecoming Parade.

BENNY AWARD RECIPIENTS

BALL STATE UNIVERSITY ALUMNI ASSOCIATION NAMES BENNY AWARD RECIPIENTS

The Ball State University Alumni Association has chosen six recipients for the 2002 Benny Award according to Association President Lori Wean. The Benny Award, given by the Alumni Association, is the top honor for service to the university or the Alumni Association.

Recipients of this award include four retired members of the Alumni Association's governing board, the Alumni Council: Don Rush, Tony Schneider, Debra Schmucker, and Sally Tinkel. Bill Lynch, head football coach, and Paul Parkison, professor and chairman emeritus of the Department of Accounting, will also be honored with this award.

Debra Schmucker is a 1987 graduate with a degree in landscape architecture and was a member of

the Alumni Council from 2000-2001 representing the College of Architecture and Planning. Schmucker served on the Alumni Scholarship, Technology, Distinguished Alumni Award, and G.O.L.D. Award committees. She has over fourteen years of experience as a landscape architect and site planner and is the owner and president of Cornerstone Planning & Design, Inc., an Indianapolis-based firm founded in 1998. Her numerous community activities include Habitat for Humanity of Greater Indianapolis, Habitat for Humanity of Boone County, and Central Indiana Youth for Christ.



Benny Award recipients will be honored during Ball State's Homecoming Weekend. Lori Wean, BSUAA president, will present the awards at a recognition dinner on Friday, October 18, 2002, at the Alumni Center.

SEPTEMBER 2001 - SEPTEMBER 2002

\$15,000 OR MORE

CSO Architects Engineers and Interiors
Charlier Clark and Linard PC
HDG Mansur Capital Group, LLC
Mr. & Mrs. Russ Sutton

\$10,000 OR MORE

Vectren Corporation
Vectren Foundation
Mr. Hartman and Mrs. O'Brien
BSA Design
Circle Design Group, Inc.
Turner Construction Co. of Indiana

\$5,000 OR MORE

Les Smith and Marla Boatwright
Estopinal Group
Mr. R. Wayne Estopinal
Browning Day Mullins & Dierdorf, Inc.
Mr. Frederick M. Hamilton

\$1,000 OR MORE

Rundell Ernstberger and Associates
Meyer and Najem Corporation
Mr. & Mrs. Eric Ernstberger
Mr. & Mrs. Douglas Reddington
Ms. Sheila K. Rawlins Snider
Mr. & Mrs. C. Christopher Brandt
Mrs. Josephine A. Fox
Gaylor Electric
Mr. & Mrs. John Gaylor
Mr. & Mrs. Monte Hoover
Indiana Architectural Fdn Inc
Mr. & Mrs. Hal Kovert
Mr. Jeffrey C. Landis, AIA
Ms. Julia F. Monk
Mr. Anthony Najem
Mr. Jack Spohn

\$500 OR MORE

Mr. Kerry B. Harding
Mr. Paul E. Strohm
Dr. & Mrs. Eric Kelly
Fort Wayne Community Foundation
Ms. Catherine Maxeiner Demmitt
Mr. Thomas E. Baker
Mr. Daniel F. Elias
Dr. James A. Glass
Mr. & Mrs. John Hawkins
Hitchcock Design Group
Mr. Dean M. Illingworth
Keepers Preservation Education Fund
Mr. Gregory W. Litteral
McComb Window & Door Company
Mr. Jim Schellinger
Mr. Loren H. Uridel

\$250 OR MORE

D. Schoen & M. Kar Schoen
OEI/The Talent Bank
Mr. Kari T. Vilamaa
Mr. & Mrs. Roger Neuenschwander
Mr. Spero W. Valavanis

Mr. & Mrs. Ronald Fisher
Mr. Matthew T. Gruber
Mr. Kevin H. Koenig
Mr. Garland Lakamp
Mr. Greg A. Miller
Mr. Steven L. Schaecher
Mr. David J. Wellman
Mr. & Mrs. Mark Allen
Altonview Architects PC
Mr. Mark W. Arnold
Ed Cass & Carol Bateman Cass
Mr. & Mrs. Anthony Costello
Mr. Mark W. Demerly
Demerly Architects

\$250 OR MORE

Mr. Robert A. Deutsch
Edward J. Cass and Associates
Mr. Randal L. Gaskins
Mr. Christopher A. Gilliland
Mr. Tyler S. Haines
Mr. Wesley B. Harrison
Lynch Harrison & Brumleve, Inc.
Mr. & Mrs. Phillip McMullan
Mr. Richard T. McWilliams
Dr. & Mrs. J. Paul Mitchell
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REPAIR, RESTORE, HEAL, CONNECT!

CAP Commencement Address

DAVID W. ORR, Ph.D.,
2002 Honorary Doctorate
from Ball State University

Harvard biologist, Edward O. Wilson refers to the decades ahead as a "bottleneck" a pinching off of options caused by the loss of species, climatic change, and population growth. If we allow such trends to dominate our better judgment they will certainly overwhelm all good possibilities. The portion of this situation that is most related to you is the fact that by some reckonings, humankind will build more buildings in the next fifty years than have been built over the past five thousand. If this is done in a way that is indifferent to real human needs and ignorant of ecological connections, the consequences will be little short of disastrous as Wilson warns. On, the other hand, if this further expansion of the human estate is carried out with ecologically informed vision the results could be a turning point in the human prospect. In no small way the difference between two very different human futures lies with the professions of architecture, landscape architecture, and urban planning and how you will do your work as designers. To that end I would like to say a few words about myths that afflict the design professions and briefly sketch a different vision.

The first myth, pervasive in a market driven society, is that short-term economic considerations are more important than value measured over the long-term. "The rich complexity of human motivation that generated architecture," in Richard Rogers words, "is being stripped bare. Building is pursued almost exclusively for profit." By such logic we cannot afford to design well and build for the distant future. As a result, in words John Ruskin wrote in the mid-19th century: "Ours has . . . the look of . . . a lazy complacency with low conditions." In our time that distorted sense of priorities, on a scale that even Ruskin could not have foreseen, drives suburban sprawl, strip development, urban decay, and our near terminal love affair with the automobile. As result, however, we assign the true costs of buildings, landscapes, and suburban sprawl to others as "externalities." As someone once put it, we privatize the gains and socialize the true costs. The truth is, as it has always been, that a false economy is no economy at all. False economic reckoning has caused us to lay waste to our countryside, abandon our inner cities and the poor, and build auto-dependent communities that are contributing mightily to climatic change and making us dependent on politically unstable regions for oil. A better world will require more honest economic accounting that includes the full costs of what we do.

A second myth is the belief that beauty is wholly synonymous with building form. The results are apparent on virtually every American city skyline dominated by grandiose, glass entombed, inefficient, and community destroying towers. This is a sense of beauty that appeals primarily to a certain part of the intellect and specifically to the visual sense, not to the wider array of senses that include sound, touch, smell, and feel, which is to say, spirit. But every great designer from Vitruvius through Frank Lloyd Wright or Capability Brown through Ian McHarg demonstrated that beauty in the large sense had to do with the effects of

design on the human spirit and our sense of humanity. In our time the standards for beauty must be measured on a global scale and longer time horizon so that beauty includes the upstream effects at wells, mines, and forests where materials originate and downstream effects on climate, human health, and ecological resilience. The things judged truly beautiful will in time be regarded as those that raised the human spirit, and in turn caused no ugliness human or ecological somewhere else or at some later time. Architecture, landscape architecture, and urban planning in other words, are a means to higher ends, not ends in themselves. A better world will require a more complete esthetic standard than that of form alone.

A third, and related, myth is that yours are purely technical disciplines, the intersection of form, materials, technology and real estate. In a more robust conception, design and planning begins with an expanded awareness of context and what is owed; the practical side of ethics and obligation. This is, I think, what George Steiner means by saying that:

Architecture takes us to the border. It has perennially busied the philosophic imagination, from Plato to Valery and Heidegger. More insistently than any other realization of form, architecture modifies the human environment, edifying alternative and counter-worlds in relationships at once concordant with and opposed to nature. [When architecture demonstrates] harmony, proportion, fluidity, drama, and figurativeness . . . it borrows from music, painting, and literature.

In other words, architecture, landscape architecture, and urban planning are practical liberal arts with technical aspects, not first and foremost technical disciplines. It follows that your work will engage you as much in questions having to do with the ethics implicit in our being "plain members and citizens of the biotic community" in Aldo Leopold's words, as with shape and form.

Finally, and not the least, there is the myth that your professions are solely about the built environment. A truer reading would place them, as the Greeks understood, at the center of the civic process. "We are" in the words of Richard Rogers, "witnessing the destruction of the very idea of the inclusive city." That is to say civility, citizenship, civic culture, and the city itself. By including or excluding possibilities to exercise the arts of conversation, dialogue, and engagement architects enhance or diminish civility, urbanity, and the civic prospect. I think it is no accident as spaces such as town squares, street markets, front porches, corner pubs, and parks were sacrificed to the automobile, parking lots, and urban sprawl, problems of crime, loneliness, and low participation became epidemic. Better architecture, landscape architecture, and urban planning cannot cure these problems, but they can help to engage people with their places as thoughtful agents in the making of the human prospect.

Against this backdrop what might architecture, landscape architecture, and urban planning become? Beyond performance of the obvious functions such as durability, shelter, usefulness, and beauty, what do we want from our buildings, landscapes, and from the aggregations of buildings that we sometimes hopefully call community? Even to pose the question reveals how little we ask of the design professions and how much we should ask of them. We should want our buildings and cities to honor the ecologies and cultures of the places in which they are built. They should help to promote a sense of rootedness, not anomie that comes from the kind of soul numbing everywhere and nowhere designs that blights our landscapes. Buildings, landscapes, and communities ought to foster an awareness of connections and ecological competence. They ought to help make us smarter and more competent people not dumb us down. They ought to be designed to regenerate natural capital of soils, trees, and biological diversity. They ought to foster possibilities for real human engagement. They ought to lead in the transition to an era of energy efficiency and solar technology. They ought to be paid for fairly and not assign costs to others in some other time and place.

A profession able to design in such a fashion is no narrowly technical discipline. It is rather a different and larger profession practicing the design arts in a fuller sense. First, it would be practiced as a healing art. Compare, for example, the idea that "architecture applies only to buildings designed with a view to aesthetic appeal" with architecture defined as

Commencement Address (con't.)

"the art of place-making" and creation of "healing places." In the former sense, design changes with trends in fashion. It is often indifferent to place, people, and time. The goal is to make monumental photogenic buildings and landscapes that express ego and power. In contrast, the making of healing places signals a larger allegiance to place that means, in turn, that we do not unmake other places in the process. Place making is an art and science disciplined by locality, culture, and ecology. It requires detailed knowledge of local materials, weather, topography, and the nature of particular places. It honors culture without being slavish repetition. It occurs as a creative dialogue between past, present, and future possibilities. It is slow work in the same sense that caring and careful have a different clock speed than carelessness. Place-making is aimed at what Wendell Berry has called "solving for pattern." By using local resources, intelligent and competent place making buffers local communities from the ups and downs of the global economy, unemployment, and resource shortages.

Practicing a healing art, architects would eliminate many of the 70,000 chemicals now included in building materials and their consequent adverse health effects. As a healing art designers would draw heavily on the accumulated wisdom of placed cultures and vernacular skills and locally available materials. They would design buildings and communities that do not compromise the health of people, places, ecologies, and planet. Buildings designed to heal would aim to heal what ails us at deeper levels. The notion that architecture and design ought to be regarded as healing arts has ancient roots going back to Vitruvius in the first century B.C. who advised practitioners to pay close attention to purity of water, use of direct sunlight, and the effects of building site on human health.

The word 'healing' has a close affinity with other words such as holy and wholeness. A larger sense of the profession of architecture would aim for the kind of wholeness that creates not just buildings but integral communities and communities with integrity. Half of humankind now lives in urban areas, a number that will rise in coming decades to perhaps 80%. Cities built in the industrial model and to accommodate the automobile are widely recognized as human, ecological, and, increasingly, economic disasters. Given a choice, people leave such places in droves. But we have good examples of cities that have taken charge of their futures to create livable, vital, and prosperous urban places, what Peter Hall and Colin Ward have called "sociable cities." In order to do that, however, designers must see their work as fitting in a larger human and ecological tapestry. But we have good examples from cities as diverse as Copenhagen, Chattanooga, and Curitiba that this is possible and that urban life can be graceful, fair, accessible, ecologically regenerative, and prosperous.

Last and not least, a larger view of your professions would see them as a powerful and pervasive kind of pedagogy. Only the terminally pedantic believe that education is confined to classrooms. The built environment in which we spend 90% of our lives is at least as powerful an educational force. Suburbs, shopping malls, freeways, parking lots, and derelict urban spaces have a powerful impact on how we think and what we think about. The built environment is often assumed to be the "real world," the boundary of the possible, which is to say a

kind of prison. The practice of design as a healing and instructive art would be a jailbreak of sorts toward a better future than that now in prospect. Architecture, landscape architecture, and planning as a conscious pedagogy would aim to instruct about energy, materials, history, rhythms of time and seasons, and the ecology of particular places. It would help us become mindful of place and time. It would require a full accounting of the human costs of building. Beyond convenience and delight, it would ask something of us.

I have sketched the outline of a different kind of profession, one in which the three components of this College are merged into a the larger enterprise of ecological design that aims to durably connect us to each other within the fabric of life. Ecological design is the calibration of human intentions with physical realities and the disciplining of the former by the latter. Design in this sense is a celebration of our interdependence. The education of ecological designers cannot be confined to technicalities. But this has been evident all along. Vitruvius, again, proposed that architects "be educated, skilful with the pencil, instructed in geometry, know much history, have followed the philosophers with attention, understand music, have some knowledge of medicine, know the opinions of the jurists, and be acquainted with astronomy and the theory of the heavens." That is a start of a liberal and liberating education. In our time you as ecological designers must be even more intellectually agile and broader. But more than possessing detailed knowledge, you must be capable of orchestrating a wide array of talents and fields of knowledge necessary to design outcomes that are sustainable within the regenerative capacities of particular places.

But this is not nearly enough. The making of healing places requires re-visioning the practice of design as a calling in the older sense of that word. In our time a calling might be said to be a profession with attitude! A calling is a commitment to use the skills and disciplines of the profession for purposes that are regenerative, restorative, and healing for people and places. The calling of ecological design would aim to create not just environments that we live in but those we can live with. But this, too, harkens back to venerable traditions. The best designers have always regarded themselves as called to something larger than mere shaping of materials and landscapes.

Looking ahead, the challenge before you is to begin the centuries long task of remaking the human presence on Earth in ways that are fair and regenerative. This will require a marriage of sorts between ecology and design. You will have to learn how to make buildings, landscapes, and cities that accrue natural capital and are powered by current sunlight-perhaps, one day, buildings that have no net ecological footprint. Similarly, you will have to learn how to design communities built on the model of healthy ecosystems that recycle all wastes and meet a large fraction of their needs from local and regional renewable sources. You must learn the art, science, and economics of urban regeneration to make cities once again places of civility and civic engagement. You will need new tools like those developed by the U.S. Green Building Council (the LEED standard) by which to appraise your work.

In the process you will rediscover much that was widely known and subsequently disparaged as merely "vernacular" such as front porches, village squares, urban parks, corner pubs, bicycle and walking trails, small and winding streets, local stores, river corridors, urban farms and wild areas, and well-used landscapes. But you will also help to discover much that is new including new ways to think about materials as "products of service" that never go to a landfill. Perhaps your largest challenge will be to improve politics and policy as it affects the built environment and landscapes. To do these things you must learn, as Christopher Alexander once put it, that:

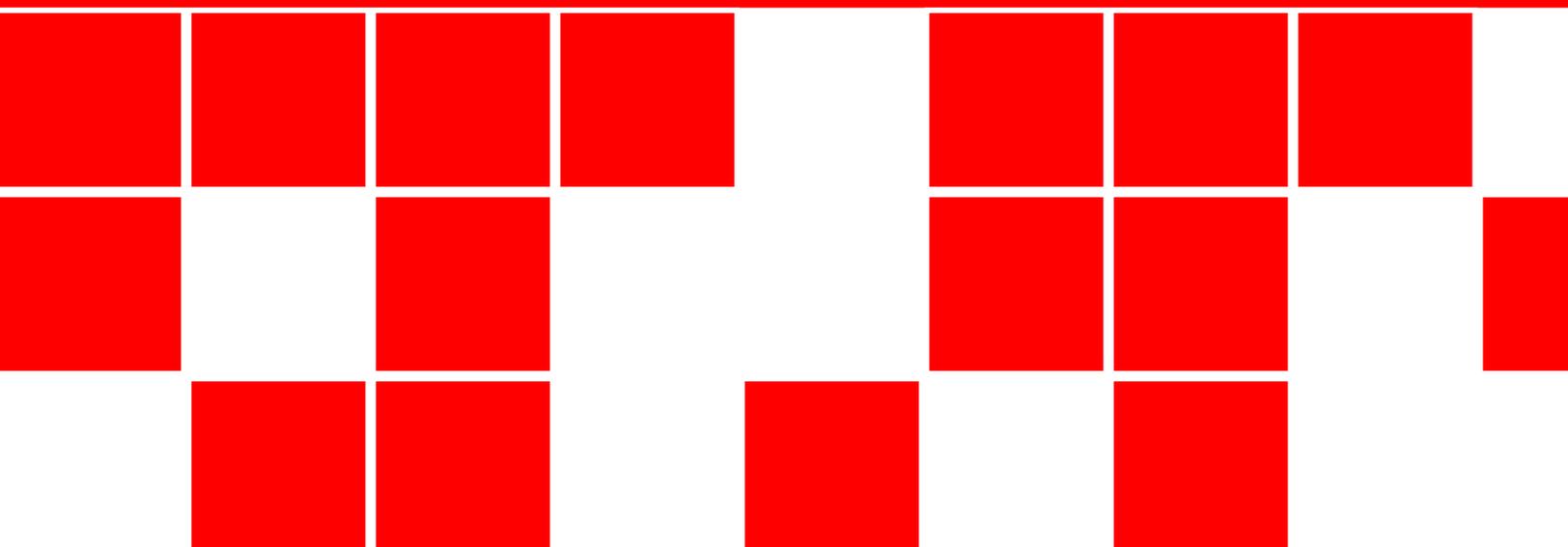
When you build a thing you cannot merely build that thing in isolation, but must also repair the world around it, and within it so that the larger world at that one place becomes more coherent and more whole; and the thing which you make takes its place in the web of nature as you make it.

More than ever the world needs bold repairers, ingenious restorers, practical healers, visionary connectors . . . designers called to do great work.

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