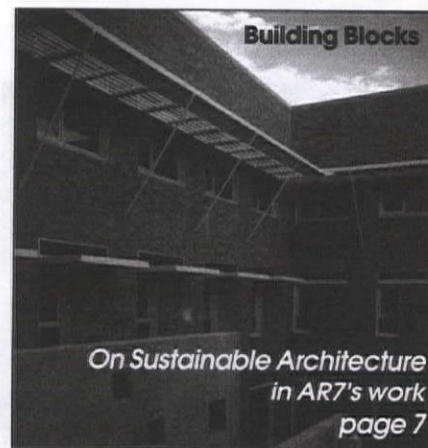


AIA

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I N S I D E

Denver Apogee	11
Lines & Columns	12
North Chapter	13
109th Meridian	14
Members On The Move	2
What's Going Up	3
Professional Project Management Course	4
U.S. Green Council Checklist	5
Archichat - Sustainability - Another Buzz Word?	6
The Historic Preservation Alliance of CS	8
CO 2002 Renewable Energy Awards	9
Denver Union Station Advisory Committee	10
Sustainability in Urban Growth	15
A Sustainable Profession	16
The Austin Building Contributes To Sustainability	17
New Members	23



FALL 2002

\$ 5

Taking That First Green Step

by Renée Azerbegi, CEM, The RMH Group, Inc., Member, AIA Committee on the Environment, Denver Chapter

According to a recent Gallup poll, more than 78% of Americans call themselves environmentalists. Despite Americans' personal commitment, only a fraction of today's designs can be considered sustainable. Many in the A/E community think they do not know how to set and meet sustainability goals. To take that first green step, work backwards. Look at designs you've already completed and you'll realize a handful, if not more, incorporate green features. This is the beginning of your green portfolio.

Next, find the other closet environmentalists at your firm and form a green team. Strive to bring together a diverse group, as sustainable design draws on many perspectives. At The RMH Group, a mechanical, electrical/lighting, and industrial process engineering firm in Lakewood, our core green team is comprised of five members with varied backgrounds.

Once your green team is organized, the next step is to begin "greening" your firm. There are two paths to greening—external and internal. External greening not only means designing green buildings, it also involves spreading the word about the benefits of sustainable design through marketing, networking, and client education. Internal greening relates to how you practice and how you maintain and operate your studio. Internal greening might entail revising purchasing policies, updating specifications, developing staff through training, encouraging alternative transportation, recycling, and subscribing to green resources, such as Environmental Building News and Environmental Design and Construction.

Although you may have incorporated sustainable features into previous designs, a truly sustainable project requires increased preparation, analysis, coordination, and integration. Green



design works best when all team members are involved from the start, with the sustainable design consultant coordinating all disciplines throughout the process. Bringing the contractor and the commissioning agent on board early—along with their wealth of practical experience—helps to bridge the design and construction processes. Early in schematic design, a wide variety of green concepts should be considered, perhaps in the context of a sustainable design charrette. Also during schematic design energy modeling and life cycle cost studies for three or more alternatives should be developed as these are important components in the overall decision-making process. During building construction, reducing waste, recycling materials, and ensuring good air quality for the construction crew and future occupants are vital. Even after

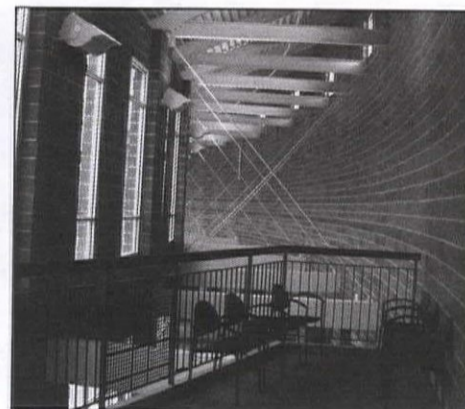
construction, the sustainable design process continues with post-commissioning and monitoring of air quality, water usage, energy usage, waste reduction, and recycling.

A whole range of services are available to enhance and ensure green design. One service receiving a great deal of attention is the U.S. Green Building Council's Leadership in Energy & Environmental Design (LEED) Green Building Rating System. RMH and a number of other local firms are certified to facilitate the LEED process. Other green services include energy and daylighting modeling, life cycle analysis, commissioning, energy audits, diagnostic testing, and other building performance ratings, such as EPA's Energy Star program.

As people become more aware of the benefits of sustainable design, the A/E industry will gradually adopt practices that by today's standards seem extraordinary. In five to ten years, green design practices will likely become the norm. Being at the fore-

(left) The RMH Group and Bennett, Wagner & Grody Architects are collaborating on a current renovation of the Byron Rogers U.S. Courthouse in downtown Denver. This GSA project is participating in the LEED for Existing Buildings pilot program and will also be an Energy Star building.

(Below) Designed with H+L Architecture, the new 180,000 s.f. Silver Creek High School features extensive daylighting combined with photocell control among its energy-efficient building systems.



front of the sustainable revolution is an exciting challenge for all of us in the design community. We can all learn from each other and increase awareness among our clients.

The RMH Group's green team offers such services as mechanical and electrical design, energy modeling, energy audits, daylighting modeling, and green building ratings. RMH has experience designing sustainable systems that make sense for Colorado, including solar, wind, ice thermal storage, ground source heat pumps, displacement ventilation, advanced controls, and much more. Contact Renée Azerbegi, CEM, Sustainable Design Engineer, 303-239-0909, razerbegi@rmhgroup.com, or visit www.rmhgroup.com for more information. **AIA**

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The Communications Advisory Board (CAB) has been formed to serve the members of AIA Colorado, insuring them an informative, comprehensive and timely newsletter as well as a progressive web site. Members of this board will function as an accessible source of information and as a tool for architectural professionals, supporting personal and professional development. The members that sit on the CAB will answer and report to the AIA Colorado Board.

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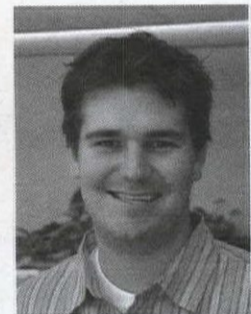
Boulder Associates Announces Additions to Staff

Boulder Associates, a 47-person architecture and interior design firm specializing in healthcare and senior living, announces new additions to its growing staff.



Brenda Chrisman Interior Designer

Brenda comes to Boulder Associates with eleven years of experience, seven of which are in designing for healthcare facilities. She is working on Sequoia Regional Cancer Care Center - Visalia, CA, Sutter Roseville Ambulatory Surgery Center - Roseville, CA, and Santa Rosa Ambulatory Surgery Center - Santa Rosa, CA.



Andrew Garst Architectural Intern

Drew holds a Masters degree in Architecture from Texas A&M University with a specialization in healthcare design. He is currently working on the Lowry Endoscopy Center in Denver, Skyridge Endoscopy Center in Englewood, Centrum Surgery Center in Denver, and the North Denver Surgery Center.



Dustin Littrell Architectural Intern

Dustin has a Bachelor of Architecture degree from Kansas State University and is working on St. Mary's PET/CT and Infusion Suites in Grand Junction and the Santa Rosa Memorial Hospital improvements in Santa Rosa, California.



Matthew Krall Office Assistant

Matt has a Bachelor of Business Administration from Southwest Texas State University. He is responsible for interoffice communications as well as print and materials management in the Boulder office.

Established in 1983 and currently involved in projects in over 20 states, Boulder Associates is an architectural firm specializing in the planning and design of healthcare and senior living projects with a human expression.

Boulder Associates is based at 4747 Table Mesa Drive, Suite 202, in Boulder, Colo. The firm also maintains an office at 2015 J Street, Suite 205, in Sacramento, Calif. The firm's Web site is located at www.boulderassociates.com.

SLATERPAULL ARCHITECTS Announces Addition to New Leadership

SLATERPAULL ARCHITECTS, offering full-service architecture in Denver and Atlanta for the past 30 years, announced today the promotion of two new associates including **Brian Milnick** and **Lou Ann Hight**. Currently the firm employs a staff of 31, with a total of five principals and five associates.

Brian Milnick, AIA, is an architect and Associate, and has been with the firm for 6 years. He is instrumental in the firm's continuing emphasis on design and is facilitating efforts on raising the bar of graphic standards. He contributes his talents as a project architect on many of the firm's work including educational, public, and parks and recreational facilities. Mr. Milnick is a registered architect and received his Bachelor of Science in Architecture from the University of Wisconsin and Masters in Architecture from the University of Maryland. His current work includes Colorado State University Center for the Arts and he recently celebrated the grand opening of the new Blue Heron Elementary School for Jefferson County Public Schools.

Lou Ann Hight, a Colorado native, was recently appointed to Associate and has served 20 years in accounting for the built industry. She has been with SLATERPAULL over 11 years and will be charging the implementation of an internal financial management training program, which supports her ongoing awareness of sustaining and maintaining only the highest standards of accounting practices.

SLATERPAULL ARCHITECTS is celebrating its 30 years of full-service architecture this year and is a recognized as a leader in design of education, religious and historic preservation facilities among others. Some of the firm's current local projects include Vista Ridge Academy K-10 School, City of Northglenn Recreation Center Renovations, Cherry Hills Community Church Atrium, Centennial High School for Poudre School District, Lilley Gulch Recreation Center, University of Colorado Health Sciences Center MRI Facility, and the Tivoli Student Union Rehabilitation for Auraria Higher Education Campus.

M+O+A Architectural Partnership is pleased to announce that **Jack Mousseau, AIA** has joined the firm as Principal-in-Charge of Design. With the addition of Mousseau, M+O+A is making



a continued commitment to quality design and is substantially increasing the depth of the firm's experience and knowledge of

design in all phases of service. Jack will focus his passion for design on leadership, mentoring and the daily challenge of creativity, innovation and problem solving. Mousseau brings over 17 years experience to M+O+A in commercial, aviation, public, and institutional design for national and international clients. He has participated in numerous international design competitions including the winning submittals for the Incheon International Airport, Seoul Korea and the National Cowboy Hall of Fame in Oklahoma City, Oklahoma. He has lectured on "Architecture in the International Marketplace" and "Aviation Planning and Design." Prior to joining M+O+A Architectural Partnership, Mousseau was an associate principal with Fentress Bradburn Architects. M+O+A Architectural Partnership, celebrating 21 years of comprehensive architectural design and planning services, offers expertise in corporate, academic, recreation, public, industry, healthcare and senior living facilities.

Roth Sheppard Architects

recently added the following members to its staff:

Christa Plaza A project manager with over seven years experience, Christa came to us from Ohlson Lavoie Corporation. She has a significant amount of experience working with national clients on Health Clubs and Recreational facilities. She is presently managing several projects, including the Tokyo Joes Restaurants and the Vogels residence addition and remodel. Christa is an exercise and fitness buff bringing a welcomed level of enthusiasm and experience to the office.

Kelly Smith Kelly is an architectural intern and recent graduate of the Architectural program at Oklahoma State. He combines his terrific freehand sketching skills with a mature sense of design. Kelly is the designer for the Warner residence addition located in Hilltop and will continue on with this project through construction.

Ryan Wallace Ryan is an architectural intern working towards his masters degree at the University of Colorado College of Architecture. He is providing design and construction document support on the Tokyo Joes restaurants and the Vogels residence. Ryan brings to the firm the creative energy of the school

(Continued on page 19)

What's Going Up

by AIA Colorado Staff

Roth Sheppard Architects

Roth Sheppard Architects recently completed municipal facilities for Broomfield, Arapahoe County and the City of Brighton. With a combined construction cost of over \$45,000,000 these projects represent the firms commitment to integrating craft and innovation in both large and small scale projects. The firms neo-modernist design tendencies are visually apparent in these facilities as well as our recent retail and restaurant projects.

The \$7,000,000.00 Brighton Police and Courts Facility was awarded the Westword 'Best One-Stop Cop Shop' in



the recent issue of Westwords 'Best of West'. The 40,000 s.f. project contains a two-story public art gallery/lobby that connects the lower level police functions with the upper level court room. A recent national competition resulted in the selection of an artist to install a 60' long low relief mural as the focal element of

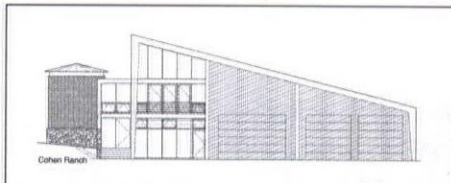
the lobby. Kevin Stephenson was the project architect and design lead for the project, working with the owners and contractor from concept design through construction completion. Kevin is now the project architect on the Cohen Ranch Facility, the Warner residence and the Adcom 911 Call Center Facility.

The \$21,000,000.00 Arapahoe County Sheriffs and Coroners Complex was completed last month after an intensive 2 and 1/2 year design and construction process. The clean, modernist lines of this 3 story facility recall the early international style aesthetic of factories and industrial buildings while alluding to the high plains horizontal topography of the surrounding context. This project was managed by Karen Caramela-Jenson. Karen came to this firm from Gensler and Associates and has a significant amount of experience managing complex projects with integrated owner/ contractor/ consultant teams. Karen is now designing and managing the new Louisville Police and Courts facility while finding time to remodel her recent house purchase.

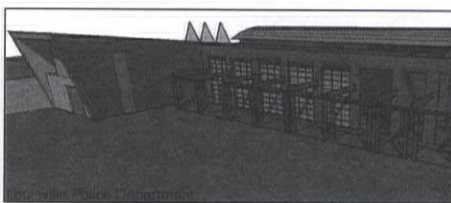
Other projects in various phases of design and construction include:

- Room and Board, South Coast Plaza, Santa Ana California

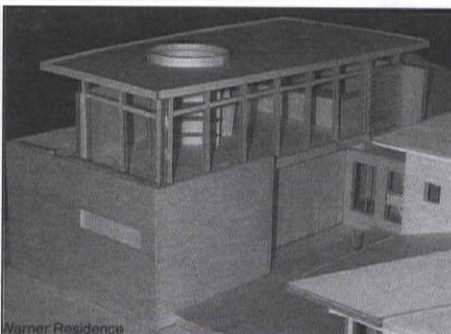
- Cherry Hills Municipal Center, Cherry Hills Colorado
- James Peak Lodge, Winter Park
- Cohen Ranch Building, Frisco



- Tokyo Joes, Chester Plaza



- Louisville Police and Courts Facility, Louisville



- Warner Residence Remodel and Addition
- Vogels Residence Remodel and Addition

- Oxnard Police Facility, Oxnard California
- Littleton Police Department, Littleton

Ash & White Construction Company Attends the Official Unveiling Celebration of the Historic Restoration Project of the Trinity United Methodist Church

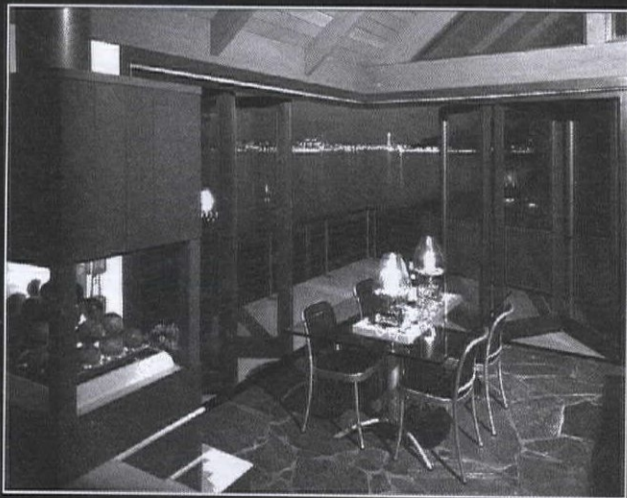
The historic restoration of the Trinity United Methodist Church was officially unveiled on Sunday, August 4, 2002, as members and invited guests gathered in front of the church following a 143-year celebratory birthday service. The project artisans of Ash & White Construction Co., The Florin Group, A.P. Eberlein, and Pine's Stone Co. were on hand as the commencement of the first phase of a 3-year project was unveiled.

Tim White, President of Ash & White Construction Company states, "It is a privilege and an honor to be part of the restoration of one of the more significant buildings in Denver and to have the opportunity to work with such great companies." The Florin Group's design and engineering expertise on historic restora-

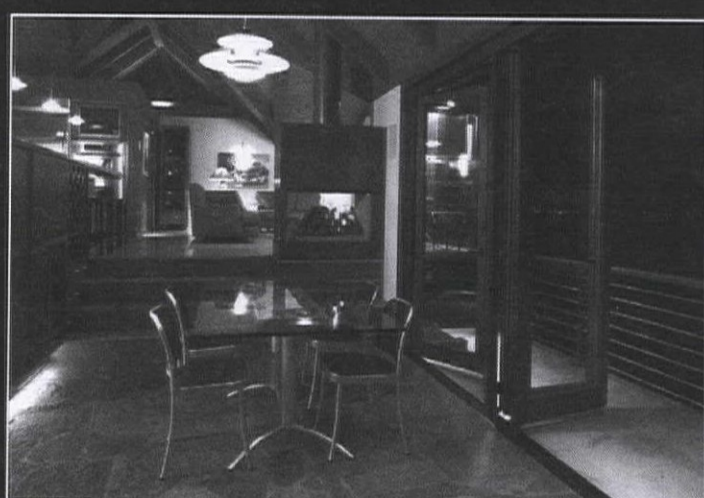
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Professional Project Management Course

by Janis Nowlan

The College of Architecture and Planning at the University of Colorado, Denver, is again offering a continuing education opportunity in project management. Scheduled for five evenings in November 2002, the Professional Project Management Course is designed primarily for those individuals interested in obtaining the Project Management Professional (PMP) certification, a process separate from the course (info at www.pmi.org). Topics specific to the certification process will be included in class: Scope Management, Time Management, Quality Management, Communications Management, Contract Management, Cost Management, Risk Management, Human Resource Management and Integration. Individuals not planning to take the exam have also found the content useful.

This course is fast paced and intended for those with project management experience, generally the intermediate to advanced project manager. Although not an entry-level class, individuals who are just beginning their project management careers have found it challenging and career enhancing. Rather than focusing on a particular industry or specific profession, e.g., architecture,

engineering, etc., the course emphasis is on project management processes and skills using the Project Management Institute Body of Knowledge. A sample certification exam and topics relating to the certification process are included.

It is also an opportunity to maximize your project effectiveness through improved leadership and management skills combined with knowledge of the planning, control tools, and issues involved in project management.

Dates are Tues-11/5, Thurs-11/7, Tues-11/12, Thurs-11/14, Tues-11/19; 6:00-9:00 PM. Classes will be held at CU Interlocken located at Level 3 offices in Broomfield, CO. (Directions with registration.) The fee of \$915 includes all materials and a sample certification examination. A course description and registration form can be obtained by contacting Professional Development Programs at the College of Architecture and Planning, UCD. Call 303-556-3954, or send an e-mail request to janisnowlan@cudenver.edu.

EDUCATION NEWS02

PROFESSIONAL PROJECT MANAGEMENT

Maximize your project effectiveness through improved leadership and man-

agement skills combined with knowledge of the planning, control tools, and issues involved in project management.

Who Should Attend

This course is fast paced and intended for those with some project management experience, generally the intermediate to advanced project manager. Although not an entry-level class, individuals who are just beginning their project management careers have found it challenging and career enhancing. Rather than focusing on a particular industry or specific profession, e.g., architecture, engineering, etc., the course emphasis is on project management processes and skills using the Project Management Institute Body of Knowledge. It is primarily designed for those individuals who may be interested in obtaining the Project Management Professional (PMP) certification, a process separate from the course (www.pmi.org). A sample certification exam and topics relating to the certification process are included. Individuals not planning to take the exam have also found the content useful.

The Instructor

Dale Stewart, PMP, has over 22 years of

diverse project management experience in military construction, nuclear power plant construction, telecommunications and department of energy capital construction projects. Mr. Stewart has held the positions of planning and scheduling supervisor, director of project management and vice president for a technical consulting firm. He has graduate degrees in business and information resource management, is a certified PMP and registered education provider with the Project Management Institute.

Module 1: Scope Management

- Scope statement
- Work breakdown structure
- Project life cycle

Module 2: Time Management

- Project control plan
- Critical path scheduling
- Planning and scheduling

Module 3: Quality Management

- Quality and project management
- Cost of quality
- Sampling techniques

Module 4: Communications Management

- Communication and the project manager

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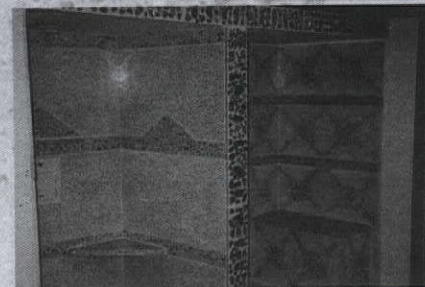
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U.S. Green Council Checklist

by Thomas Doerr

Did you know...

Did you know that the built environment has a profound impact on our natural environment, economy, health, and productivity?

In the United States, buildings account for:

- 36% of total energy use/65% of electricity consumption
- 30% of greenhouse gas emissions
- 30% of raw materials use
- 30% of waste output/136 million tons annually
- 12% of potable water consumption

Building science, technology, and operations are available to designers, builders, and owners who want to build green and maximize both economic and environmental performance.

Environmental benefits are:

- Enhance and protect ecosystems and biodiversity
- Improve air and water quality
- Reduce solid waste
- Conserve natural resources

Economic benefits are:

- Reduce operating costs
- Enhance asset value and profits
- Improve employee productivity and satisfaction

- Optimize life-cycle economic performance

Health and community benefits are:

- Improve air, thermal, and acoustic environments
- Enhance occupant comfort and health
- Minimize strain on local infrastructure
- Contribute to overall quality of life

LEED™, the "Leadership in Energy & Environmental Design" Green Building Rating System, is the nationally accepted standard for green buildings developed by the U.S. Green Building Council (USGBC) membership.

LEED is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Members of the U.S. Green Building Council, representing all segments of the building industry developed LEED and continue to contribute to its evolution. LEED provides a complete framework for assessing building performance and meeting sustainability goals. Based on well-founded scientific standards, LEED emphasizes strategies for sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality. **AIA**

LEED was created to:

- Define "green building" by establishing a common standard of measurement;
- Promote integrated, whole-building design practices;
- Recognize environmental leadership in the building industry;
- Stimulate green competition;
- Raise consumer awareness of green building benefits;
- Transform the building market!

LEED standards are currently available for:

- New construction and renovation projects (LEED 2.0 / 2.1)
- Existing building operations (LEED-EB, Existing Building Pilot Version)
- Commercial interiors projects (LEED-CI, Commercial Interior Pilot Version)

LEED standards currently in the process of being developed are:

- Residential (LEED-R)

U. S. GREEN BUILDING COUNCIL - Who and what it is.

The U.S. Green Building Council (USGBC) is a leading national consensus for producing a new generation of buildings that deliver high performance



inside and out with respect to the environment. The U.S. Green Building Council is the nation's foremost coalition of leaders from across the building industry working to promote buildings that are environmentally responsible,

profitable, and healthy places to live and work.

Council members are leading a national consensus for producing a new generation of buildings that deliver high performance inside and out. Our members work together to develop design guidelines, policy positions, educational tools, and industry standards—including the LEED™ (Leadership in Energy and Environmental Design) Rating System—that support the adoption of sustainable design and building practices. All council programs are committee-based, member-driven, and consensus-focused. As the building coalition representing the entire industry on environmental building matters, USGBC's unique perspective, inclusive approach within the industry and collective power provides its members with enormous opportunity to effect change in the way

(Continued on page 21)

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SUSTAINABILITY – Just Another Buzz Word?

by Peggy Kinsey, AIA, CEFPI Chair, AIA Denver/COTE

Not long ago an architect colleague of mine commented that as far as he was concerned 'sustainability' was another one of those popular buzz words that is 'here today and gone tomorrow' and certainly not worth any investment on his part! My sense was that this architect had 'been there' during the seventies and wasn't going down that road again. That kind of limited vision is unconscionable and I would like to think is only a minority opinion. Unfortunately it is not.

A well-known business leader, Paul Hawken (co-founder of Smith & Hawken) provides the definition of sustainability as: "Sustainability is an economic state where the demands placed upon the environment by the people and commerce can be met without reducing the capacity of

the environment to provide for future generations. It can also be expressed in the simple terms of an economic golden rule for the restorative economy: leave the world better than you found it, take no more than you need, try not to harm life or the environment, make amends if you do."

How can you go wrong following such commonsense guidance? We all want our children and grandchildren to enjoy the bountiful resources we have. The bottom line is – our enjoyment has had a major impact on the earth. Rather than use this space to reiterate the facts, I would suggest you take a hard look at a recent supplement to National Geographic magazine (September 2002) titled A World Transformed and A Thirsty Planet. It is a quick read and should be a real eye opener for all of us. For example, in the time it takes for you to read this newsletter, say twenty minutes, 80 children around the world will have died because they didn't have enough clean water.

So what does all this have to do with being an architect? Very simply we are in the position to make a huge difference. Look at the facts:

- There are more than 80 million homes, offices, and factories in America
- These buildings consume nearly 33 percent of our energy and 67 percent of all electricity.
- Building systems produce 35 percent of our carbon dioxide emissions.
- By 2010, the number of buildings in the United States is expected to rise to 118 million – a 48 percent increase in just 8 years.
- Globally, buildings consume 40 percent of the world's energy.

The environmental benefits of sustainable architecture:

- Decreased reliance on foreign oil and fossil fuels
- Improved air and water quality due to reduced emissions and pollution
- Lesser impact on land fills and forests due to use of recycled/recyclable materials
- Positive impact on global warming due to investment in alternative energy sources

Ten years ago the AIA Denver/Committee on the Environment published

the first Edition of the Sustainable Design Resource Guide in an effort to provide our fellow architects with a resource they could use to facilitate the implementation of sustainable practices in their work. The committee is now working to update the guide. There are a lot more materials and resources available now, but we have not seen the profession as a whole embrace the basic principles of sustainability. Primarily, what we see is 'lip service'.

Prime examples exist in the 'Built Green' houses currently on display at the 2002 Parade of Homes. It is good to see that they are using more energy efficient heating and cooling plants and appliances, as well as xeriscaping, but they seem to have missed the greater issue at hand – consumption. A 10,000 square foot single-family residence wrapped around a 'larger than life' swimming pool with associated waterfalls – IN A DROUGHT! Is that a responsible response to a crisis?

It is our responsibility as professionals to lead. It is the harder road, but we can do it. The costs and time implications for each of us is a small price to pay. The payback is our grandchildren's future. **AIA**

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sherri@aiacolorado.org.




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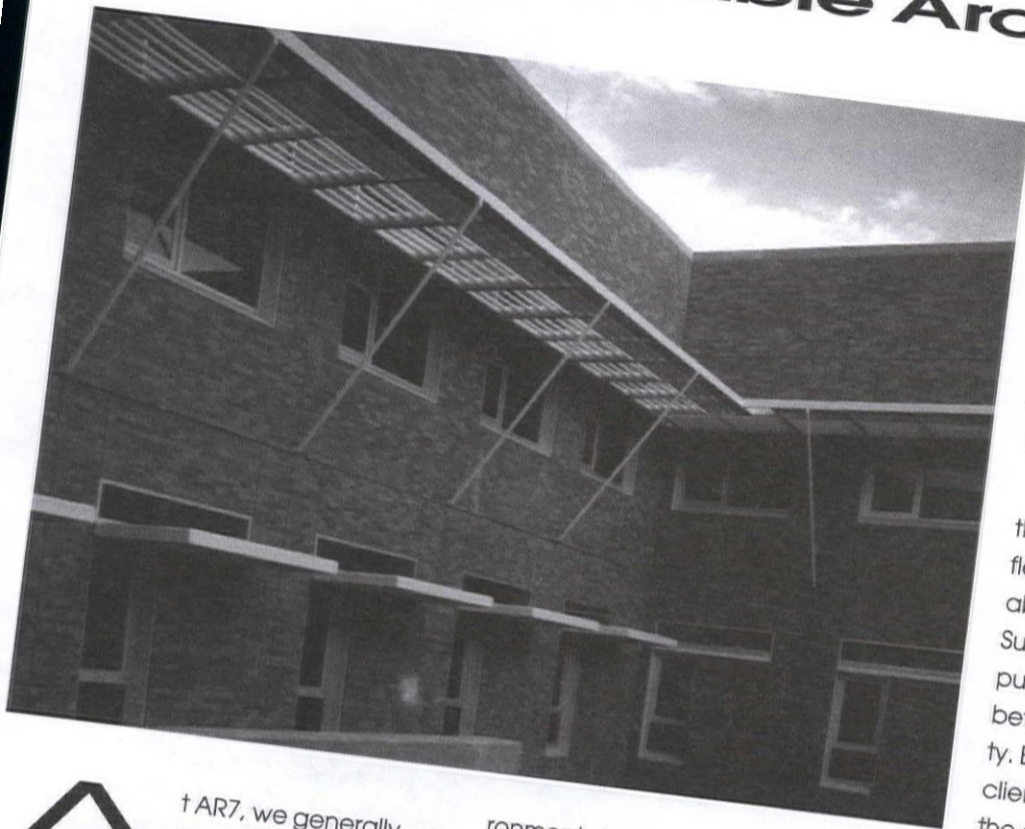
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On Sustainable Architecture in AR7's work



by Ranko Ruzic, AIA

ic, scientific, and philosophical values. Until such adjustments coalesce further to help elevate environmental awareness globally, at AR7, we pursue opportunities to create architecture supportive of environment as we know it: environment where sustaining nature and sustaining the human spirit is of equal importance.

Thus, the connection with community is one of the priorities we pursue as the means to sustain human culture and the human spirit. We further do so not only for the purposes of sustainability, but for the purposes of *joie de vivre*, or 'life enjoyment'. This way we feel we are grounding architecture in that which it ultimately came from: the culture and society, and their grounding in nature, and ultimately sustenance of that relationship. **AIA**

Sustainability of nature we pursue through energy efficiency, durability, flexibility, life cycle costing, as measurable aspects of a "green building". Sustainability of the human spirit we pursue through the connection between a building and the community. By acknowledging the "absent" client in addition to acknowledging the owner and user client, we acknowledge the link with the community. Using design we articulate the connection with the community as placeness, access and urban context, and health and happiness; all descriptive qualities in the effort to sustain ourselves and our spirit as a positive part of natural environment.

At AR7, we generally believe that a building should advance the client's needs, but also be complementary to the environment, and engage and support human culture. In other words, we aim for a complete work of architecture: buildings in which envi-

ronmental responsibility is fully integrated with formal ambition and responsiveness to an enlightened vision of community life.

Sustainability as based on a set of values will be more effectively advanced as we as a civilization adjust our underlying premises: our econom-

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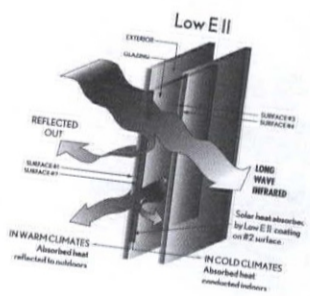
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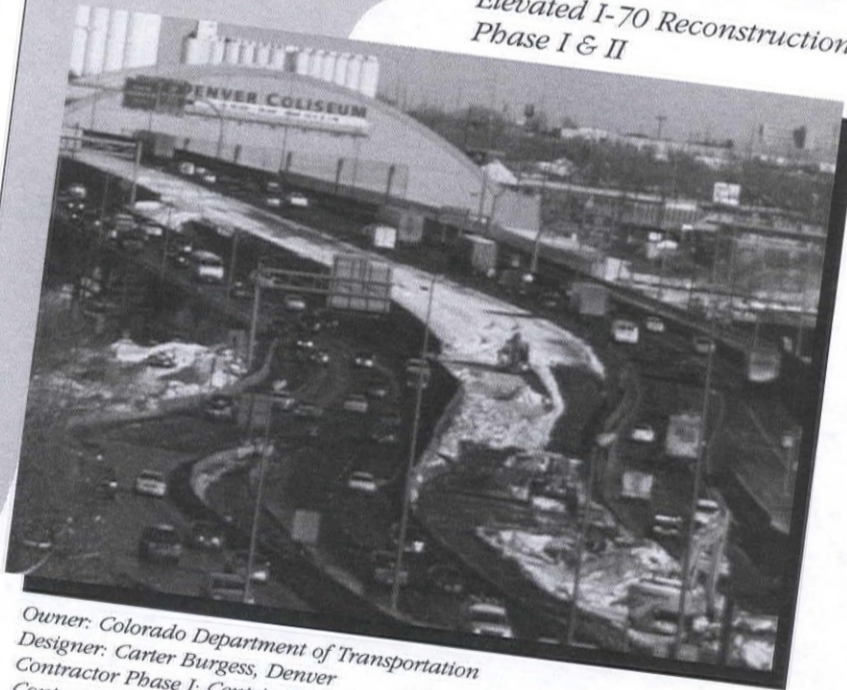
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The Historic Preservation Alliance of Colorado Springs

by AIA Colorado Staff

Annual Historic Preservation Awards — November, 2002

As part of its community education program, the Historic Preservation Alliance of Colorado Springs (HPA) presents the first Annual Historic Preservation Awards program. The jury on November 4 will be led by Nan Anderson and Dave Anderson, AIA, Andrews & Anderson Architects, Golden, Colorado. The 4

juried awards will be presented at a gala at the Trianon, The Colorado Springs School, on Wednesday, November 6, 2002, from 6:00 pm to 9:00 pm.

HPA's purpose is to honor citizens who have made significant contributions to the historic character of Colorado Springs through preservation, restoration, and rehabilitation of historic structures and sites, or through sensitive new construction within the city's historic fabric. All projects must have been constructed within the past 5 years.

Awards will be given in the following categories:

Residential. Project nominations may include any structure that is used as a residence. Design and construction should have resulted in significant improvements to the building's historic character, through preservation, restoration, removal of non-historic additions, or rehabilitation of original design elements.

Civic. Project nominations may include historic structures, monuments, or sites/landscapes that are part of the public domain. Examples of civic or public architecture include government

buildings, universities, schools, museums, monuments, and religious structures. Examples of historic landscapes include public parks.

Commercial. Project nominations may include any commercial building, such as inns, hotels or motels, retail shops, restaurants, or residential space adaptively reused as a commercial use, restoration of which significantly contributed to the historical cityscape.

Historically Compatible New Construction. Project nominations may include new structures built within the city's historic core or neighborhoods, which are compatible with the historic context.

Owners, design professionals, and contractors. The Historic Preservation Alliance of Colorado Springs would like to publicly recognize your important contributions to the city's historic character through this juried competition. Please include architectural drawings, photographs, or other visual and programmatic information, with the attached form, clearly indicating the category under which you are submitting. All information will be returned to you at

the end of the awards program.

We look forward to your participation!

HPA Board of Directors: Carolyn Cathey, Sandi Chesrown, Catherine Mundy, Ricky Pass, David Prince, Judith Rice-Jones, Joyce Stivers, Denis Wermuth

Important Dates to Remember.

Submittal Due Date
November 1, 2002

Jury Date
November 4, 2002

Awards Ceremony
November 6, 2002

Press Release Sent
November 8, 2002

Please send your application by November 1 to the Historic Preservation Alliance of Colorado Springs, 710 N. Cascade Avenue, Colorado Springs, CO 80903.

HPA Board of Directors: Carolyn Cathey, Sandi Chesrown, Catherine Mundy, Ricky Pass, David Prince, Judith Rice-Jones, Joyce

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Mark your calendars!

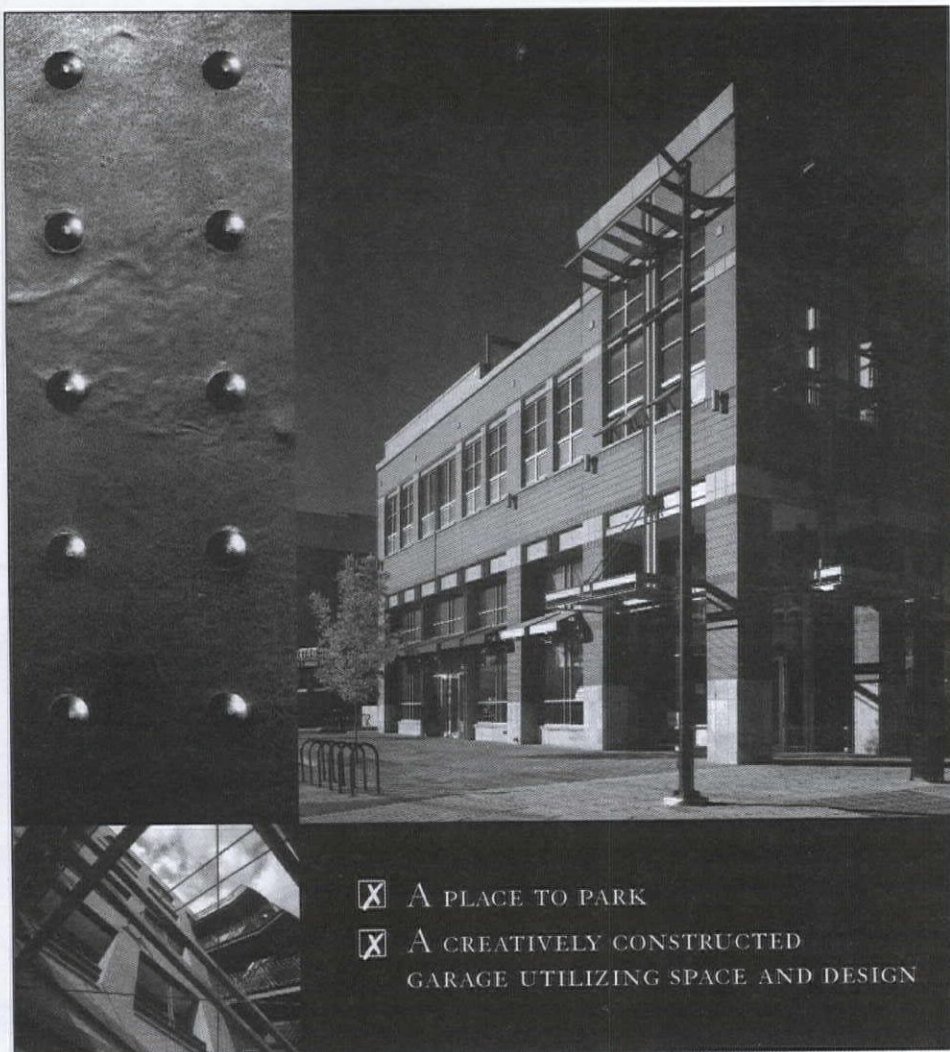
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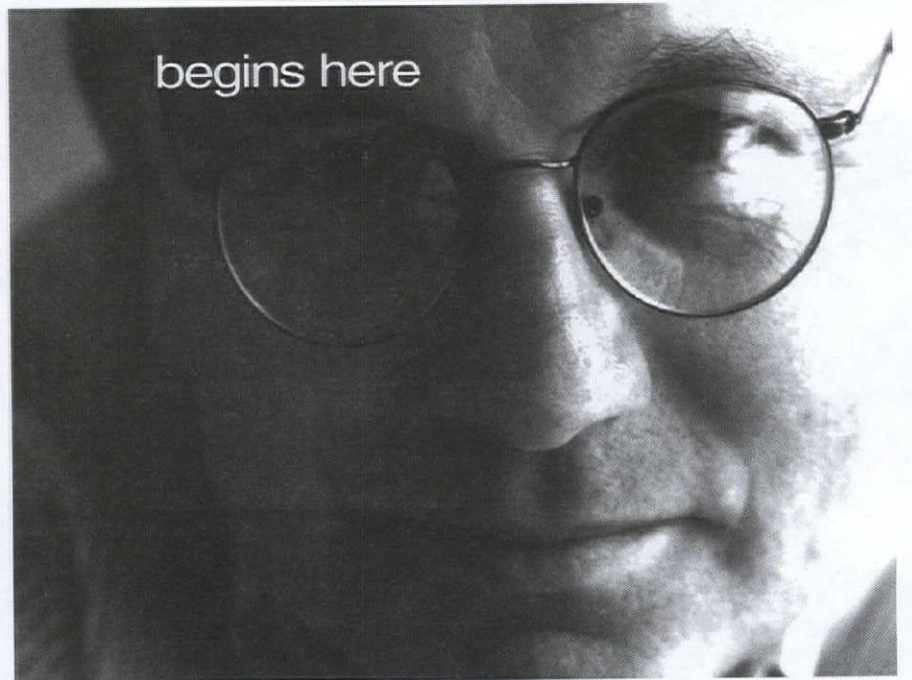
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Colorado 2002 Renewable Energy in Buildings Awards

by AIA Colorado Staff

The Colorado Renewable Energy Society (CRES) honored the winners of its Colorado 2002

Renewable Energy in Buildings Awards in a Colorado Springs ceremony. The ceremony was part of the CRES 2002 Conference, which attracted more than 400 people to Colorado College to hear about and discuss renewable energy in the state.

Now in their fourth year, the awards celebrate the most creative use of renewable energy in design and construction. There are winners in residential, commercial, and institutional categories. Said CRES President Megan Edmunds, "This year represents a real advance for this award because it highlights the work of some of the best architecture and energy firms in the state. These buildings also show how clever use of sunlight and energy efficient construction create attractive and more comfortable interior spaces."

All of the award winners have created buildings that consume significantly less energy than similar ones built to conventional standards. This is accomplished through creative architecture combined with the use of sophisticated mechanical equipment and controls. This design is often sensitive to the locale and results in greatly reduced impact on the environment due to reduced energy consumption over the lifetime of the building.

One winning entry, for example, from the Colorado School of Mines (CSM), estimates energy savings at more than \$20,000 per year compared with a similar building constructed to the minimum energy standards of ASHRAE 90.1 (1989) for commercial and institutional buildings.



The building is a new classroom building called "The Center for Technology and Learning Media" located on the CSM campus in Golden. The building contains 39,000 square feet of floor area and cost about \$8 million.

The architects, Anderson Mason Dale (AMD) of Denver, used natural local materials in construction and combined natural lighting for interior spaces with controls that dim the electrical lights when sunlight is present. Energy consumption for lighting in the CSM building is 83% less than that of a typical classroom building in which lighting is controlled by timers.

The Colorado 2002 Renewable Energy in Buildings Awards winners for institutional buildings are:

The Colorado School of Mines Center for Technology and Learning Media in Golden CRES presented the award to the

Colorado School of Mines, the building owner. CRES also recognized the entire design and construction team of: Anderson Mason Dale, the design architects, of Denver; Architectural Energy Corporation, consulting energy engineers, of Boulder; Design Balance, sustainability consultants, of Missoula, Montana, and Gordon Gumeson and Associates, consulting mechanical engineers, of Denver. For more information about this project, see: Cres-energy.org/reba_CSM.html.

Poudre Valley School District Facility Service Building in Fort Collins CRES presented the award to the RMH Group in Lakewood for its lead role in the daylighting design and mechanical engineering consulting. CRES also presented certificates to the Poudre Valley School District, the building owner, in Fort Collins; Mellin & Associates Architects PC in Laraspur, and EMC Engineers, Inc. in Golden. For more information about this project, see:

Cres-energy.org/reba_poudre.html

The Colorado 2002 Renewable Energy in Buildings Awards winners for commercial buildings are:

Xilinx, Inc., Longmont

CRES presented the award to Downing, Thorpe & James in Boulder for its lead role as architect and engineer. CRES also presented certificates of recognition to Xilinx, Inc., the building owner, in Longmont; the Neenan Company in Fort Collins; Architectural Energy Corporation, consulting energy engineers, in Boulder; and BCER, consulting mechanical engineers, in Arvada. For more information about this project, see:

Cres-energy.org/reba_xilinx.html

Shumei International Institute, Crestone CRES presented the award to the building owner, Shumei International Institute in Crestone. CRES also presented a certificate of recognition to PEH Architects in Boulder. For more information about this

(Continued on page 22)

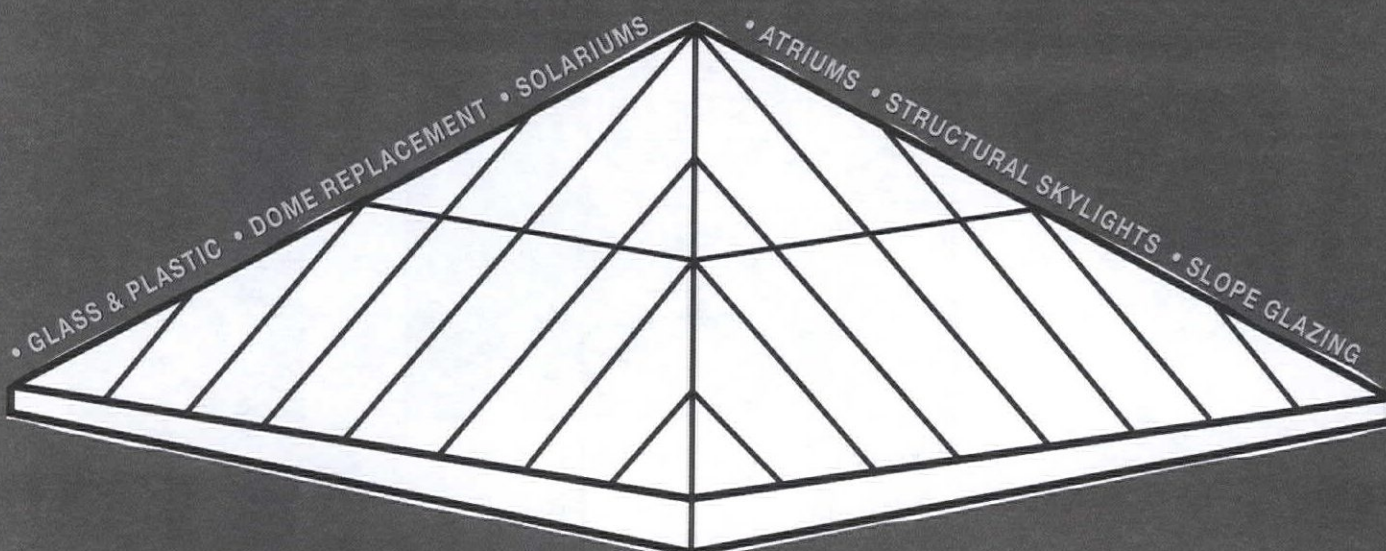
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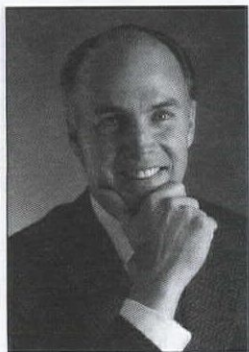
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Denver Architect Elected to Serve as Co-Chair on Denver Union Station Advisory Committee



The Union Station Master Plan will serve as the blueprint for redeveloping and preserving Denver's historic Union Station and 18

acres of surrounding land. This important project will literally transform Union Station into a transportation and retail hub.

To ensure a successful final Master Plan for Union Station, a Union Station Advisory Committee (USAC) was formed in July to serve as a conduit for public input. Its members represent a wide-range of specific stakeholders who have a distinct interest in the outcome of the Union Station Master Plan. The committee, comprised of 76 members, will evaluate the Master Plan's urban design, trans-

portation, neighborhoods, architecture and preservation components.

Brian Klipp, AIA and alternate Eileen Fisher of the Gates Family Foundation, were named as USAC members on behalf of the Denver Civic Ventures Board for the Downtown Denver Partnership, Inc.

USAC Co-Chair Election

On Thursday, August 8, 2002 the 76-member USAC Committee held a formal election to name three Co-Chairs to serve as representatives on its behalf over the next twelve months. Klipp was elected, along with Jim Graebner and Shannon Gifford, to serve as Co-Chairs who will be charged with the following responsibilities:

- Serve as spokesperson for the USAC
- Act as a liaison between the USAC and the Project Management Team (RTD, CCD, CDOT & DRCOG), and the Union Station Alliance (project developer Jones Lang LaSalle, planners, architects, etc.)
- Speak at public and neighborhood forums
- Serve as facilitators to build consensus among different constituencies within the advisory committee and ensure the outcomes are reflected within the final master plan document

Brian is well-suited for his role as USAC Co-Chair. Since 1994, he has been a member of the Downtown Denver Partnership's Civic Ventures Board and has represented both the organization's and the City's concern for urban design

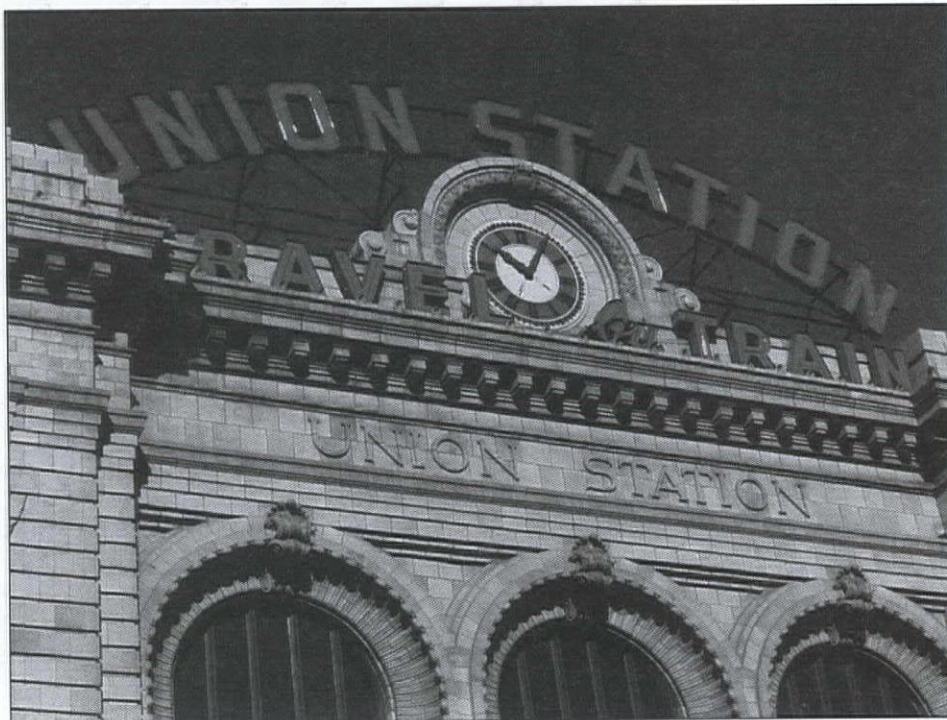


Photo: Dan Meyer

and civic architecture on several landmark projects including the Denver Pavilions, Pepsi Center and Invesco Field at Mile High Stadium. In addition, he has served on two committees for Mayor Wellington Webb—The Mayor's Task Force where he helped craft the Mayor's agenda for planning, design and preservation objectives and The Mayor's Committee where he helped develop strategy and draft a proposal for a national awards submission.

Klipp has been an active member of the AIA since joining in 1988. Recently, he served as Chair of the Public Relations/Publicity Committee for AIA Colorado as we prepared for the 2001 National Convention. In addition, past positions include Co-Chair of the 1999 AIA Colorado Design Conference and President of AIA Denver in 1993.

Klipp Colussy Jenks DuBois Architects, P.C. is a full-service, award-winning firm specializing in context-responsive, programmatically complex projects for K-12 and higher education, commercial mixed-use and public clients. Current projects include the Wildlife Experience Museum, a 115,000 S.F. facility in Douglas County; a 30-acre campus for Aspen Country Day School in Aspen, Colorado; and the Discovery Learning Center, a graduate research facility at the University of Colorado at Boulder's College of Engineering and Applied Science. KCJD Architects provides complete professional services in architecture, planning, and interior design. Brian Klipp founded the firm in 1979 and in the 23 years since then, has guided its growth to become one of the top ten architecture firms in Denver. **AIA**

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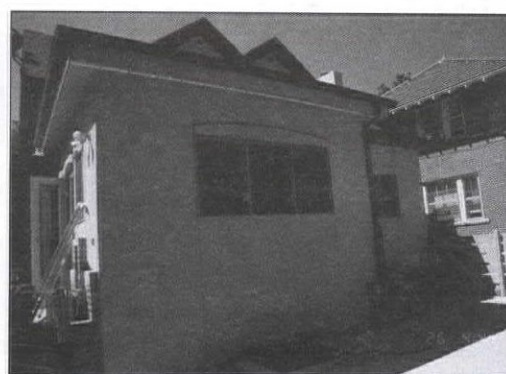
Director of Local Chapters
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One ski lift ride up the hill last Superbowl Sunday I asked the man bundled up next to me where he was from and what he did. He said he was a builder of new custom homes in Denver. As a practicing sole proprietor architect my ears perked up and I asked him pointedly, in Denver? His reply was a most assured yes. Where, I asked, was he was doing his work, scrapes in Hilltop or new in Lowry or Stapleton and he said, oh no, the southern suburbs. My eyes glazed over, completely amazed that he would claim, not just once but twice, that he was building in the city.

He also said straight outright that the residential additions and renovation work I was doing must be somewhat restrictive and boring, not very creative. I paused and thought to myself, perhaps it's not all crazy and funky, and, sure, I would like to do some new from-scratch designs that respond well to a beautiful mountain site, but there is something very satisfying about making an old house function once again for the lifestyle of the current owners.

The housing stock in Denver built from 100 to 70 years ago are the core neighborhoods of the city. The fabric of these neighborhoods offer wonderful tall 100-year old maples and oaks, corner ice cream shops, hardware stores and coffee shops, nearby expansive parks with playgrounds, picnicking areas, trails for running or walking, tennis courts & soccer fields, plus nearby Botanic Gardens or world-class museums. The basic Denver Squares on my block offer quality materials and craftsmanship that, at least on the outside, have remained and create a cohesive vernacular and historic vocabulary that you just can't get everywhere. The variations of bungalows, four-squares, and victorians, found throughout the neighborhoods help to



create the diversity yet cohesiveness in our many historically designated or non-designated older neighborhoods throughout the city.

One of the hot buttons in the environmentally sustainable consciousness is non-stop growth, the overwhelming absorption of ranches and open space into suburban sprawl. As a society, we are still consumers, and new homes offer attractive features, maybe not more yard but at least more bathrooms for the money you'd spend in the inner city. And bigger is better, right?

The housing stock in central Denver is a bit limiting. Congress Park, Park Hill, and Washington Park neighborhoods are filled with one-story bungalows with two bedrooms and maybe 1400 square feet. Parts of Capitol Hill may offer larger homes (if you can afford to convert them back to single family residences), but the

typical Denver Square is only 1750 square feet. People want to be able to have rooms for their families, their overnight guests, entertaining spaces and both public and private

spaces within their homes. These older smaller homes with their wonderful character, craftsman or victorian detailing, their close proximity to downtown and to restaurants and entertainment and their great established neighborhoods, are prime candidates for additions and renovations.

When working with the Landmark Commission on a project where we are planning to add a second floor to an existing garage for use as an artist's painting studio, a remark by the staff

by Eileen Moore Koenigsberg, AIA

Creatively Curbing Suburban Sprawl



architect caught my ear. The effect was that she would much rather see these properties altered and renovated (within the design guidelines) so that people can actually live in them rather than move out to the suburbs. Suburban flight is still very real, as you can still get more size for your money compared to that in the city. (Not necessarily more house.) In other words, we've got to make the old houses in the inner city usable, to rework the house so it is more flexible, so it has enough bedrooms or a separate family room, a larger kitchen, master bathroom, a central homework or office or computer area, whatever it takes to make it work for the owner. This is a major key to curbing suburban sprawl. It is also quite fascinating and creative.

So next time you hear someone talking about moving to a larger house out in the suburbs because of the size or workability of their house, suggest to them they really take stock of their amenities, and the environmentally sustainable effect they would have if they renovate or put an addition on instead. Even in this market, they will get their investment out of it, and they will gain the benefits of staying in their established neighborhood, as well as doing their part to curb suburban sprawl and all of its wonderful effects for our community as a whole. **AIA**

Eileen is a principal with Moore Koenigsberg Architecture, where along with her partner and husband, Jon, she works out of their home providing creative yet appropriate environmentally sustainable architectural solutions for both small commercial and residential clients.

Lines & Columns

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AIA COLORADO ARCHITECT

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Sustainability Colorado Style

by Morey Bean, AIA

Every once in a great while a breath of fresh air sweeps over the Colorado community landscape, giving us hope that perhaps we're headed in the right direction, perhaps we will learn to do the right thing after all. Such is the case with the development of the Catamount Institute, a wonderful harbinger of a sustainable Colorado future. Centered on a 1360 acre preserve on the north slope of the Pikes Peak Massif west of Woodland Park that is protected by conservation easements, the Institute has sown its own seeds toward becoming a world renowned leadership, education and research facility. Endowed by a significant family trust, the Institute is led by Environmental Education professor Julie Francis and her husband Dr. Howard Drossman, the head of Colorado College's Environmental

Sciences Department. Catamount partners include NASA, Rocky Mountain Institute, National Science Foundation, Colorado College and the Center for

Creative Leadership.

The Institute works within a holistic philosophical framework revolving around

Science, Service, Spirit, Systems, Stewardship and of course Sustainability.

Its education programs includes helping underserved and minority youth to executive leadership development programs tailored by the Center for Creative Leadership.

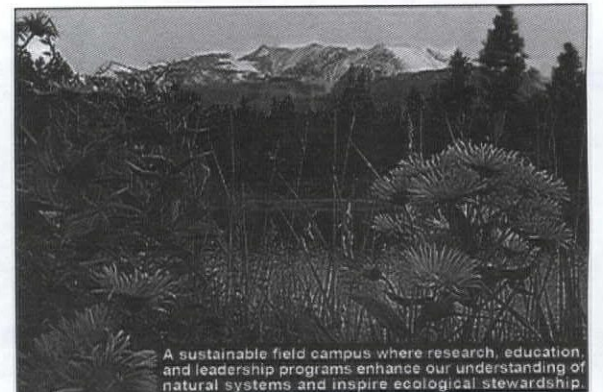
In a most significant commitment to service to Colorado, the Institute is the sponsor of the Colorado

Sustainable Business Network, a group "Fostering the economic, environmental, and social health of Colorado" led by past Rocky Mountain Institute (RMI) staffer David Shurna, an entrepreneurial oriented non-profit that is assisting businesses in their attempts to become more sustainable in their pursuit of building profit, helping people and protecting the planet (The three P's, the three bottom lines).

I encourage your support of the Institute through your membership in the Colorado Sustainability Business Network. David can be reached at 719-471-0910. Their web site is www.catamountinstitute.org. **AIA**

Everything we need to know about running a business can be learned by studying a forest.

—Ray Anderson,
CEO of Interface Carpet



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Studio^{K-12} executive summary

Architecture is a physical manifestation of society's values, beliefs, history, and vision. It engages us on a daily basis and gives us clues to the past, and perspective on the future. The story of all cultures is recorded around the world in buildings. **StudioK12** will explore architecture and include:



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Masters



Types

Virtual Architectural Field Trips: Virtual Architectural Field Trips ranging from an introduction to architecture, the exploration of architecturally significant cities, the study of specific building types, to architects of particular significance will be developed.

Architectural Correspondents: The Architectural Correspondents Program will utilize an actual "Correspondent" that visits classrooms to build a personal connection with students prior to embarking on an Architectural Expedition to sites around the United States and the World. The Correspondents journey will not only investigate significant buildings but also the social, economical, political, historical and cultural influences on the design of architecture. These explorations will be documented and reviewed daily by students within the classroom via the internet.

The Teachers Briefcase: A comprehensive resource that includes lesson plans, testing materials, and additional classroom activities to support the Virtual Field Trips Program and the Architectural Correspondents Program will be developed. These resources will meet national education standards, containing lessons for grades K through 12 on Math, Science, History, Social Studies, Writing and Visual Arts.

Teacher and Mentor Training: Connect will provide training and support to teachers and mentors around the country to assist in the implementation of these programs. Mentors will act as contacts for students in the classroom throughout the course of our programs via email.

Utilizing architecture as a tool in education opens the door to limitless possibilities for interdisciplinary integration. **StudioK12** will provide students with a viable link between lessons learned in classrooms and their daily lives.



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CU Students Build An Energy-Efficient Solar Powered Home

by Jessica Lorenz, AIA



renewable energy technologies

- Promote commercially available technologies and practices for widespread applications that are adaptable in cost, size, climate, and architectural program

incoming air. Sun Utility Network evacuated tube panels will be used to meet the hot water needs of the house. The roof will also be covered with 7.2 kW of Astropower solar panels. All the chosen appliances and office equipment are energy efficient.

Another team goal was to embrace environmentally friendly building products. Materials were chosen based on the following criteria: low embodied energy, sustainably harvested, environmentally friendly manufacturing process, recycled, recyclable, value added, non-toxic, low VOC (volatile organic compounds), and made in the USA. Typically these materials were either less expensive or comparable in price to conventional building materials while generally providing greater efficiency. Check the team web site to see what environmentally friendly products will be showcased in the CU competition home.

Construction of the CU Solar Decathlon home took place in the Home Depot parking lot in Louisville, Colorado this summer. Students and professionals worked side by side to construct the competition home. This project has provided significant educational opportunities for the students. If enough money is raised to fund this project, the house will return to campus to be used as a laboratory for students and a workshop site for the surrounding community. **AIA**

For more information or to follow the team's activities during the competition go to the Web site:
<http://solar.colorado.edu>

The University of Colorado has assembled a team of engineering and architecture students from the Boulder and Denver campuses to collaborate on a student competition project. This project, called the Solar Decathlon, is a national competition among fourteen university teams to design, build, and operate a small home office powered entirely by solar energy. Teams will compete in ten events during a three-week program of activities on the National Mall in Washington, D.C. in Fall 2002. The Solar Decathlon is an event sponsored by the Department of Energy, the National Renewable Energy Laboratory, American Institute of Architects, and BP Solar.

The home design was guided by a concept they call BASE+. This concept consists of an energy efficient home that can be readily customized to address a wide range of site climates, building budgets, and homeowner needs. The following objectives were kept in mind when designing the house:

- Educate students, the building industry, policy makers, and the public about the benefits of energy efficient and

- Develop an elegant and integrated architectural design, guided by the following principles:

- 1) Minimize energy use
- 2) Decrease waste
- 3) Promote education
- 4) Create an appealing design that can be easily reconstructed
- 5) Execute quick, on-site construction

One of team's goals was to build an annual "zero-energy" home. To minimize thermal losses, structurally insulated panels (SIPs) were used in the wall and roof construction. Southwall high performance glazing was selected for all glazing areas. To supplement passive heating and cooling strategies, a high efficiency heat pump-air conditioner was chosen. Since the CU home will be built with tight construction an Energy Recovery Ventilator or ERV will be used. An ERV maintains the indoor air quality and reduces the amount of energy that is required to heat or cool the fresh air by exchanging the heat and humidity of the outgoing conditioned air with the



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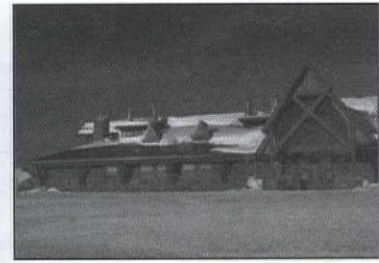


Sustainability – What is It?

by Ann Darby, AIA

We have all heard the buzzwords “sustainable development,” “green architecture,” and “environmentally friendly design.” Recently, BP Amoco, Ford, DuPont, and Shell (just to name a few) have been published in their efforts of improving the standards of their businesses to benefit the environment. William McDonough, FAIA, a pioneer of eco-efficient thinking, has been practicing his environmental ideals. What does all of this really mean? The idea of building a sustainable environment is something we as developers, architects, and builders all need to understand. In general, the model of designing for sustainability incorporates doing more for less which means using fewer trees, generating less waste and pollution, using less energy and replacing consumption with renewable sources of energy, and recycling materials. In a place like Colorado, in which we are responsible for preserving the resources and environment that surround us, it is essential for us to think progressively about green building.

While the possibilities of effective land development, commercial and home building are endless, the goal is to change the thought process from design through construction. As architects, we can build upon natural processes and energy flows by regulating energy flows from the sun and wind. We can implement solar panels and sod roofs that reduce solar heat gain and increase energy efficiency. We can reduce waste by incorporating composting toilets. We



can create cleaner indoor air by specifying products with low volatile organic compounds and incorporating natural ventilation. As mentioned, the possibilities are expanding, however, there are guidelines to assist architects in progressing towards designing eco-efficient buildings. One government-sponsored program is the US Green Building Council's LEED “Leadership in Energy and Environmental Design” Rating System. This Rating provides a “national standard which aims to improve environmental, health, and economic performance of buildings using established and/or advanced industry principles, practices, materials and standards.”

A local example of a completed LEED rated project is the Sundeck restaurant on Aspen Mountain. The architect, Cottle Graybeal Yaw, and the client, Aspen Ski Co., worked closely together to incorporate features to qualify the project for the LEED Rating. The design team applied processes of energy and water conservation, a waste management and recycling plan, construction air

quality plan, and use of low “VOC” (Volatile Organic Compounds) products. The Aspen Ski Co.



purchased renewable energy from wind power and low water-use plumbing throughout the building. An on-site recycling and job site waste recovery program was in place during demolition and construction. An estimated 86% of the original Sundeck was recycled. These efforts in waste management also reduced the waste disposal fees and quantity of material going to the land fill. Guidelines for the use of the building's mechanical system during construction were followed to avoid contamination and to provide for clean ventilation for occupancy, as well as specified to be an efficient and balanced system. Building materials are all low or no VOC's, as well as CFC free, to prevent depletion of our ozone layer.

The features integrated into the design of the Sundeck restaurant are invisible to the end user but add to the overall performance of the building and indoor air quality. For more information on green implementation of the Sundeck design, please contact Doug Graybeal, AIA of Cottle Graybeal Yaw Architects, (970)927-4925 or Auden Schendler, Aspen Skiing Company, (970)923-8628. **AIA**

special focus

Sustainability in Urban Growth

by Alan Gass, FAIA

There is no more misunderstood and emotionally charged phrase in modern American culture today than "Urban Growth." Each individual has his or her own ideas on what constitutes desirable and undesirable patterns of civic development. In addition, numerous experts are arrayed in any number of specialties, each dealing with a different aspect of urban design.

As architects, we have the skills to arrange the physical elements that make up urban settlements. We all recognize, nevertheless, that experts in a wide range of disciplines are needed to effectively manage urban growth. Prominent contemporary architect and urban designer, David Lewis, at the First Denver Urban Design Symposium in 1982, defined urban design as, "politics in three dimensions." That definition more effectively recognizes the complexity of our contemporary planning and development process that each of us practitioners has experienced in recent years.

We do need to scrutinize several points, however, looking back at the history of American urban development since the end of World War II.



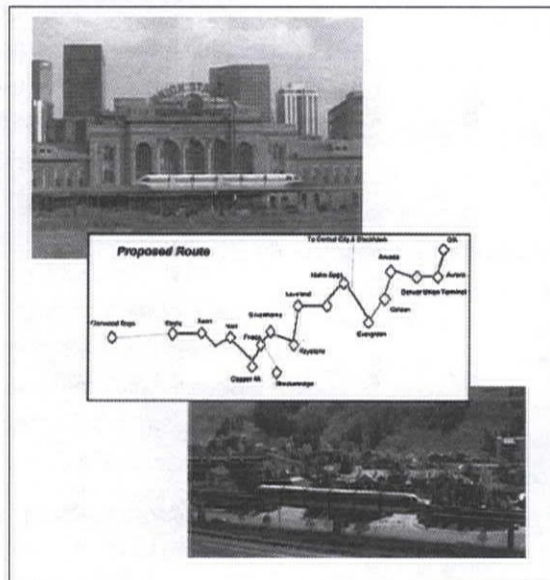
The simplistic blame of all of our urban ills on the internal combustion engine vehicle has gone too far. The automobile, for all of its shortcomings as the answer to all of our urban transportation needs, is not the only villain. The automobile has, in some ways,

been a blessing, by us allowing freedom of travel. Automobiles have also benefited the American economy by providing jobs and capital.

We still have much to learn to find that ideal mix of transit, walking, bike-

ways, and transit-pedestrian-based housing patterns that will increase the quality of urban life and economize on the rate of urbanization of our agricultural land.

The fear of traditional city form and culture has driven many to the suburbs. The suburb, as an urban form, has not served all citizens equally.



The Institute of Medicine of the National Research Council of the National Academy of Science has released a report, on 17 May 2002, concluding that the "ram-page shootings," such as at Columbine

High School, are unique to suburban areas.

The "New Urbanism" that we now hail as the newly found humanizing factor in our 21st Century urban planning is certainly welcome. It is nothing new,

however. Many of us have been lobbying for such an approach for several decades.

Jane Jacobs proposed housing "with eyes on the street" in 1965. Further, those of us who have grown up in Denver and any number of older Midwestern town and cities still have appreciate those existing examples of front porches and walking to neighborhood shops providing for the daily needs of residents, on sidewalks that are separated from the accessible grid streets by tree lawns.

In the late 1960's, a number of young architects, neighborhood activists, and planners who were put together by the Colorado Highway Department (now, CDOT), wrote the first critical "Analysis" of the auto-only 1963 Denver Metropolitan Area Transportation Study (DMATS). That report led to lobbying and action that formed the Regional Transportation District.

In the early 70's, some of the same individuals devised a proposal for an integrated transportation and urban design study for the region, called ITUDS. Blueprint Denver promises to achieve such integration for Denver, a long

(Continued on page 23)

Critical information from one professional to another

Architects

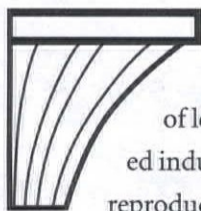
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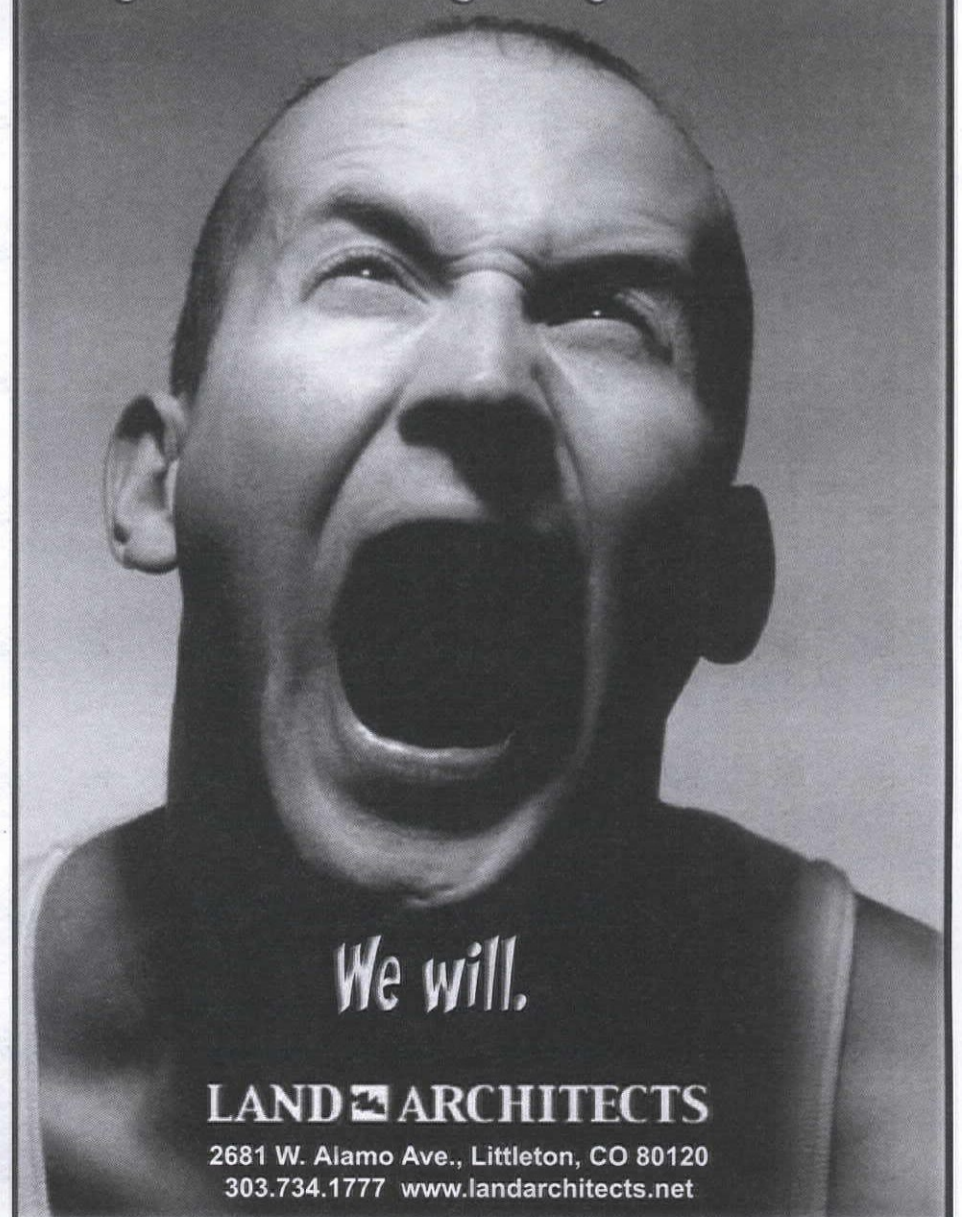


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A Sustainable Profession

Jason Pettigrew, Associate AIA, Associate Director, AIA Western Mountain Region

Sustainability requires renewal, and for our profession the key force in renewal and growth is architectural education. This education goes well beyond what we learn in studio. In many cases, architecture school is a hot house where students flourish and bloom, but aren't prepared for the cold of the real world which they are cast into upon graduation. It is within this period with a chill to the air that I believe our greatest attention should fall. With energy retained from school, interns and young architects are the lifeblood of the overall education process and are the most important component in sustaining the profession.

Sustaining Education. One of the nine recommendations of the Collateral Internship Task Force (CITF) states that "continuous learning and mentorship are fundamental to the profession. The demands of the architectural profession require a lifelong pursuit of knowledge, and acceptance of the obligation to be leaders and teachers." The profession must be committed to providing this continuous learning for all of its members, and it is up to all of us to recognize the importance of mentoring to the process. It is our job to share information, either with those we mentor or are mentored by. Specifically, through the relationships between interns and those they are learning from, the "culture of internship" must be strengthened.

And it should fall to the interns not to isolate themselves behind their headphones and within their specific tasks at hand, but become engrossed within a culture of shared knowledge they help to create. This culture is the key for the growth of the profession as a whole, and it must be rooted in mentoring.

Sustaining Leadership. In leading and in learning we must direct our attention. There are opportunities which come along, like the recent Internship Summit, which are excellent chances for participants to come together to discuss methods of improving internship and other key components of the profession. But it must go further. Programs need to be initiated or enhanced at local and national levels for interns and young architects to become more involved in and to lead. Leadership is the key as it includes both individual motivations and work with group dynamics—qualities needed to reach the highest levels. Louis Sullivan once addressed this matter with respect to our profession, saying:

We have at times individually sought to lead the public, when we more wisely should have followed; and we have, as a body, often followed, when, with beneficent results, we could have lead.

Sustaining Membership. The most successful way to sustain the membership of an organization is to get people involved early and then keep them active through contin-

ued programs they can get involved with and clearly see the benefits from. Currently within the AIA, Associates are the fastest growing membership category and comprise about twenty percent of the total membership. Many programs do exist on local levels to include Associates but there continues to be a gap in the activity level for this group. On the national level, there have been many strives to include better Associate representation, including the recent addition of an Associate representative to the AIA Board's Executive Committee. In an editorial response, AIA President Gordon Chong commended this action by saying, "I have no doubt that the associates, who represent the future of our profession, will enrich the discussion and leadership of the executive committee just as the addition last year of a CACE member has. Another page in our commitment to inclusiveness has been turned, and time will prove the boldness and wisdom of this move."

Sustaining Community. At the AIA Western Mountain Region Conference of early September near Albuquerque, New Mexico, Dr. David Stuart spoke of the fall of the Chaco Anasazi society and the Pueblo communities which survived because of their investment in community. They built for the living future rather than building monuments for the past. The legacy of the Chaco

is hence not the artifacts and the architecture, but rather the knowledge that cultural survival comes from hard work in building sustainable communities. These are arguments which can be made for our survival as a people on this planet, especially in regions feeling the affects of changing climates such as our own. But they are equally strong arguments for our profession, as we should be investing in our future through all levels of education: internally and to the communities which we serve. Educating the public, our long-term client, is our continued and developing charge as a profession. It is also where we should get our future leaders involved in efforts of building community.

It is by interns and associates being strong leaders that they will become strong mentors, and through mentoring, they will strengthen education in internship and for all architects. By raising the level of internship and recognizing its importance to the profession, we will create these leaders and thus continually sustain our profession. It is in the spirit of inclusiveness that teamwork makes things happen—with the support and guidance of others, goals are set and achieved, and the highest heights are reached. And it is by looking to the greater community of which we are a part that we not only promote the advancement of our profession, but sustain a world we are helping to build. **AIA**

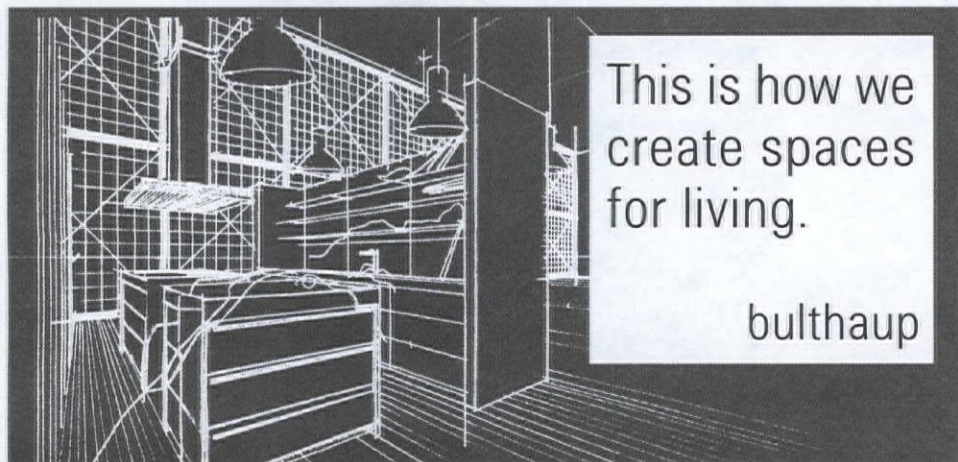


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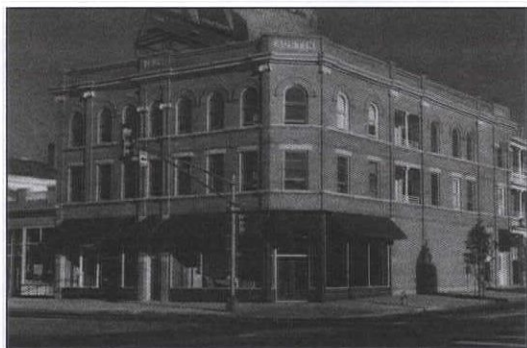
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How The Austin Building Contributes To Sustainability

by Cheryl A. Spector, AIA



The renovation of a historical building, recycling building materials, use of natural products, energy efficiency and the production of affordable, functional housing constitute the main elements of sustainability at the Austin Building. In the design and development of the project, partnerships were formed with the public and private sector that have an on-going contribution to sustainability. From the beginning of this project, our team was interested in approaching the "redevelopment" of the building with as much attention as possible being given to the sustainability of the design. Designation for local, state and National Historic Landmark was obtained, validating the integrity and importance of existing buildings and creating community support and pride by recognizing local historic

significance of our built environment.

We organized a design charette during the design development phase, to allow a local chapter of Architects, Designers and Planners for Social Responsibility (ADPSR) to brainstorm ideas with our team (architect, owner, general contractor and key subcontractors) for using sustainable materials and practices throughout the project. Some of the practices and materials included are as follows:

Project Start

- Recycle "waste" on site.
- Volunteers gathered clothing for Goodwill donation
- Deposit all glass bottles, aluminum and newspapers to area recycles
- Old appliances donated to local Appliance Recycler

Project Duration

- Re-use existing building materials for the project.
- Wood panel doors were restored.
- Door hardware cleaned and reused.

Kitchen cabinets, medicine cabinets and "ice box cabinets" were all repaired.

Involve Americorps

A national service organization comprised of local 18 to 24 year olds who work to improve their communities and the environment. On the job training was provided in construction and sustainable materials. A total of 5,720 hours were provided on this project.

Project End and On-going

- Low energy consumption.
- Energy efficient boilers for heat and domestic hot water.
- Day lighting incorporated throughout the design of the apartments.
- Energy efficient appliances.
- Reduced water usage.
- Reduced level of toxic emission by appliances and products used.
- Hardwood floors refinished with waterborne sealer.
- Low VOC paints were used.
- Low toxic cleaning methods.
- Landscape design incorporates native plants and low water use.

Tenant manual provided to residents on sustainable practices and usage throughout the building.

Showcase the Austin Building to teach policy makers and practitioners about sustainability.

SUMMARY

Utmost care was given to the design of the living spaces and quality materials were used throughout the building. Intense coordination with the contractor and subcontractors allowed us to retain original wood molding and trim, floors, doors, cabinetry, original hardware and light wells which give the building much of it's character. Our final result was a project with eighteen affordable rental units which comply with current building code requirements, spotlight outstanding historic features, integrate sustainable practices and materials and contributes to revitalizing the neighborhood. The Austin Building provides it's own dimension to the neighborhood, by rekindling historic integrity, pride and the essence of a new community through its unique living and retail spaces. Together, these things resulted in a project for which the owner, the tenants and the community can be proud. **AIA**

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Sustainability

(Continued from Front Cover)

by Eric J. Miller, LEED™ Accredited Professional

A client building a new hospital had a picnic at the job site today to celebrate the contractor's recycling efforts during construction. Thus far, they have diverted 90% of construction waste from landfills to local recycling centers. Their efforts are a great example of an attempt at a closed loop system; a system in which the materials are generated, used, and re-used. A true closed-loop system recycles 100% of the materials, but this is definitely a step in the right direction. The architects, clients, and local community worked together to make this happen and the job site celebration is a sign that all are pleased with the results.

Consider the materials needed to construct that new building and the amount of energy necessary to manufacture its contents and structure. Consider the amount of energy consumed once it's operational and the amount of waste generated within that structure. Consider how a building affects not only its occupants but also the community it is a part of, both regionally and globally. Experts predict that within the next 50 years there will be more building construction than the cumulative total of all construction in human history. If this prediction is true, we had better implement

methods for achieving sustainable building practices, otherwise we will need to find another habitable planet. Current building practices are gobbling up natural resources, producing tons of waste for overflowing landfills, and using massive amounts of non-renewable energy that pollute our water and air. What will happen to the planet if we continue to build in this manner?

Sustainability involves utilizing resources and energy without harming that which prolongs our existence. An example of sustainability is a building that self-generates all of the energy needed for the operation of that building using a renewable energy resource, such as photovoltaic roof tiles, or wind turbines. Another example is cleaning and reusing the wastewater generated within the building. Sustainability does not involve taking, using, and throwing away, but rather, generating, using, and reusing—in other words, a closed loop system. As the people charged with designing the new buildings popping up all over the country, architects have an enormous role to play in ensuring that closed looped systems come into play. Finding a new planet is unlikely and we are in the midst of a building boom as the earth's population grows; therefore, not only do we need to

embrace sustainability, we must push beyond it and develop regenerative processes to restore that which has already been destroyed.

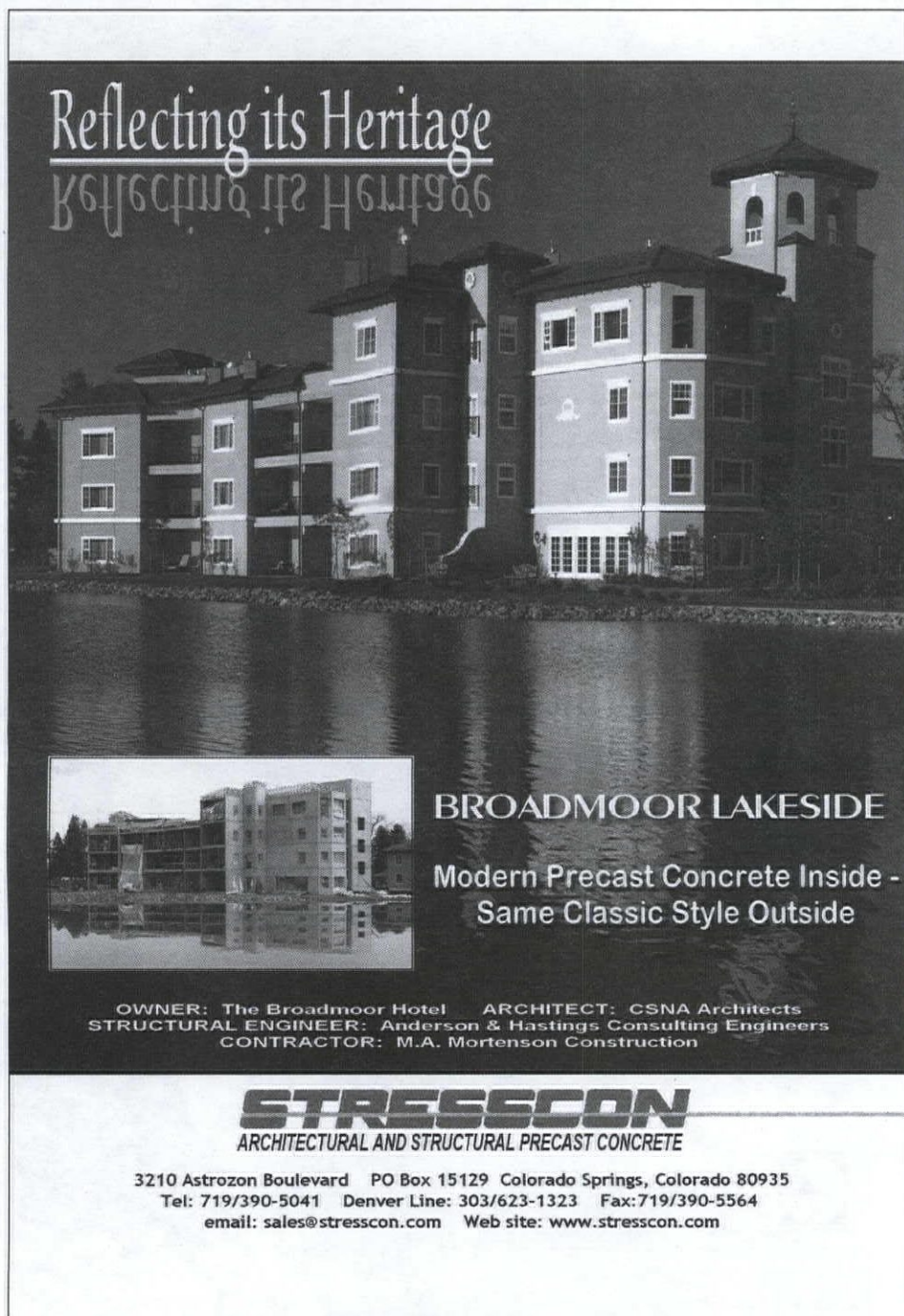
The time is past due for architects to embrace the life cycle analysis of a structure, closed-loop systems, and whole building design and to realize that every decision made effects so much more than the financial bottom line. Contrary to common belief, sustainability does not mean compromising finances. Utilizing a closed loop system often will provide substantial financial savings over the long term, even though putting those systems into place may cost more in the beginning. Architects are in a position to not only inspire but also educate their comrades, clients, and local communities about the long-term financial and planetary benefits of sustainable building practices, instead of merely thinking in terms of the immediate budget. With collaboration, architects can achieve a level of sustainability with lasting global impact. The contractors, clients, and community members who are celebrating today worked together to ensure that the materials used to construct their building, matter that can neither be created nor destroyed, is going to be reused, a good first step toward a sustainable future. **AIA**

West of the 98th Meridian

the impact of these problems and Stuart saw the contrasting fates of the Anasazi and their Pueblo descendants as a parable for modern societies, if not, a lesson in itself about sustainability.

In Colorado, the issue of water highlights the concept of sustainability. The complex web of water in the West again finds a unique place in the country. Unlike the Eastern part of the United States where water rights are determined by land ownership, the tenet of Western water law is first-come, first served, or, first in time, first in right. The first one to stake a claim on water gets the water. As most of you know, the process is called adjudication. To complicate the picture, water rights can be transferred, sold, even rented. Water from underground aquifers is more difficult to replenish than water from mountain snowpacks and other surface supplies. It is important to note that water use varies widely. For instance, owners of residential properties along the Front Range are using water at unprecedented rates given an average metropolitan use of 75,000 gallons/person/year. Recent statistics show that in Douglas County, Castle Pines North,

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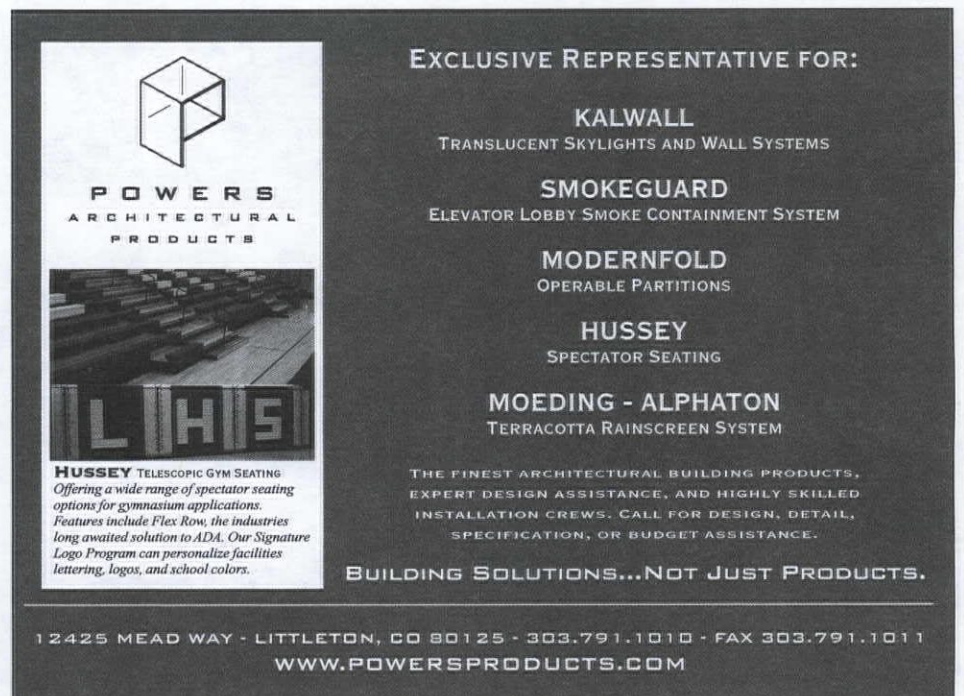
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(Continued from previous page)

West of the 98th Meridian

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For architects in the West it is no small task to develop appropriate design to handle the many sustainable considerations. Speakers at the recent Aspen Design Conference noted that we have to "design the future, not just live it; that we need to care about the outcome" Design to live within the environmental constraints – not only to sustain our existence but to secure our existence. Design matters, not merely as the crafting of pieces or places but the entire range of life and work. It is an overwhelming challenge for all design professionals.

We look forward to seeing you at our important **2002 Design Conference in Vail, Colorado on November 8 and 9!** **AIA**

A Reading List:

Anasazi America by David E. Stuart, Prof. of Anthropology, University of New Mexico with researcher Susan Moczygemba-McKinsey, University of New Mexico Press, Albuquerque 2001 pp 248

The Great Plains by Walter Prescott Webb, University of Nebraska Press, 1931 pp 525

Colorado Water by The League of Women Voter of Colorado, 1410 Grant St., B-204, Denver, Colorado 80203 (303 863-0437) \$10

And many others including *The Sand County Almanac* by Aldo Leopold; *Design with Nature* by Ian McHarg

(Continued from page 2)

Members on the Move

and the desire to learn how an architectural practice functions.

Leila Connard Leila comes to us from the office of Sear Brown. She graduated Cum Laude from Hobart and William Smith Colleges in New York and is an architectural intern with 2 years experience in the development and construction document phases of projects. Leila is working on the new Louisville Police and Courts facility and is becoming our in house computer tech wizard as well.

Eric Mallon Eric is an architectural intern with a construction background to supplement his University of Michigan and University of Colorado education. He is providing design and construction document support on the Cohen Ranch facility, the Warner residence and the Louisville Public works facility. In his spare time, Eric is an outdoors enthusiast and struggling musician.

Gena Gussenbauer Gena is our new office manager. She is responsible for everything including the phones, invoicing, bookkeeping, human resources and the general day to day operations of the office. In addition to her practical experience, Gena has an Associate of Applied Science Degree in Graphic Design from the Art Institute of Colorado. We look forward to viewing her next art works and enjoy her sense of design and wonderful personality.

Other Firm News

Partner, Jeffrey L. Sheppard, AIA was a recent lecturer at the AIA Young Architects Forum. He also chaired the Mississippi AIA Awards Jury and gave two

lectures at the Mississippi AIA design conference. Mr. Sheppard is presently serving on the Colorado Convention Center and Hotel Design Advisory committee.

Slifer Designs and The Roaring Fork Club bring Home the Gold at the 2002 ARDA Awards

Slifer Designs received the ARDA Gold Award for the interior design of the Roaring Fork Club Member's Lodge. Every year the American Resort Development Association (ARDA) recognizes the top resort designers, developers, architects and managers with these awards. In the Resort Design, Interior Design – Common Area category, the Roaring Fork Club Member's Lodge came out on top, up against The Ritz-Carlton Club Aspen Highlands (interiors also by Slifer Designs), and Sheraton's Vistana Village in St. Augustine, FL. Beth Slifer accepted on



behalf of Slifer Designs and the Roaring Fork Club during the awards ceremony on April 16 in Las Vegas, NV. The Roaring Fork Club is a private golf and fishing club located in Colorado's Roaring Fork Valley

and was completed in July of 1999.

Slifer Designs was also the recipient of two ARDA Silver Awards for the design of The Ritz-Carlton Club, Aspen Highlands. In the categories of Resort Design, Interior Design – New Resort Unit and Resort Design, Interior Design – Common Area, the Silver Awards were both handed to Slifer Designs. The Ritz-Carlton Club, Aspen Highlands is a high-end fractional ownership residence club that was recently completed at the base of the Aspen Highlands Ski Area in February of 2001.

Christian Fussy recently joined UNIT design studio pc,

bringing seven years of professional experience in Architecture and Urban Design. Graduating first in his class from the University of Applied Sciences in Kiel, Germany, with a degree in Architecture, and special emphasis on design and urban planning, Christian has since managed numerous projects spanning three different continents. Highlights of his experience include: the design and planning of a five star beach resort in Cape Town South Africa, a large scale multi-family housing and mixed-use project in Germany, and most recently, working on the trauma and education center for Denver Health and Hospital Authority in Denver. Christian is a licensed Architect in Germany, and an international associate of The American Institute of Architects.

UNIT design studio, pc specializes in urban infill, adaptive reuse, and historic preservation, and also has experience in passive solar design, timber frame construction, and cost effective material use for residential, recreational, and

(Continued on page 20)

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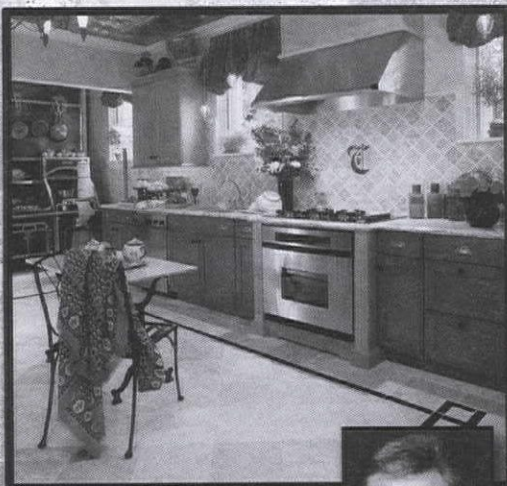
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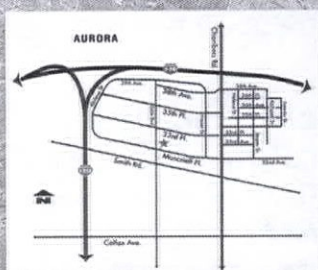
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(Continued from page 19)

Members On The Move



commercial projects. Current clients include: Post Properties, Hope Communities, Denver Housing Authority, Housing and

Neighborhood Development Services, Faith Action, Speeder and Earls, High Country Sales and Service, Park County, and Stapleton Development Corporation.

Reid A. Tucker, P.E. has successfully completed the requirements for the Professional Engineer's license for the state of Colorado. Mr. Tucker has been an intricate part of the Bucher, Willis and Rattliff Corporation's Denver engineering team since 1998 and has led projects such as the design of roadway improvements to 128th Ave. at Washington St. and Claude Ct. in Thornton, Rosemary Street & 96th Avenue in Commerce City, and tunnel and utility extensions for new and existing buildings at the University of Northern Colorado.

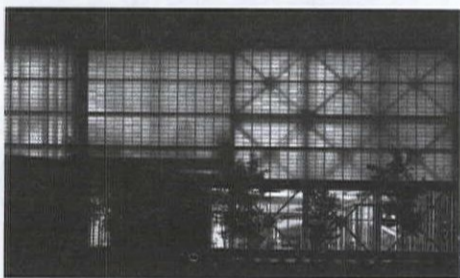
Prominent Female Architect Joins RNL Design in L.A. as Design Principal



Katherine Diamond, FAIA, recently joined RNL Design as Design Principal of the firm's Los Angeles office. Her award-winning project

experience includes the landmark LAX Air Traffic Control Tower, four light rail train stations on the Los Angeles to Long Beach Blue Line, the University of California at Davis Medical Center Central Plant with Cogeneration, and the joint U.S. and Canadian Port of Entry at Sweetgrass, Montana and Coutts, Alberta. Ms. Diamond's design work has been recognized by numerous publications including Architecture, Progressive Architecture, Contemporary American Architects and Costruire L'Architettura Italiana.

Ms. Diamond's 26 years of experience as an architect includes educational, transportation, civic, transit-oriented development, and community planning projects. Prior to joining RNL Design as Design Principal, Ms. Diamond's career took a unique turn when she left the private practice of architecture to join Lennar Communities' new Urban Development Group as Vice President of Architecture and Public Policy. Ms. Diamond's combined focus on architectural design and urban planning, as demonstrated by both her professional efforts and her years of pro bono service on the LA Board of Zoning Appeals and the Westwood Design Review Board, served Lennar well as they moved into the world



of urban development. This year of focus on the development of multifamily housing and mixed-use projects gave her insights into the world of development from the client's perspective, which she looks forward to bringing back into her practice of architecture.

In 1996, Ms. Diamond was elected to the College of Fellows at The American Institute of Architects. Ms. Diamond has also served as the AIA Los Angeles Chapter's first female President in 99 years, as President of the Association for Women in Architecture, on the National

Peer Review Council for the GSA Design Excellence Program, on the Westwood Design Review Board, and on the Los Angeles City Board of Zoning Appeals for 3 years, including one year as Chair. She presently serves on the boards of the St. Barnabas Senior Center and the Westside Urban Forum.

Ms. Diamond earned her Bachelor of Architecture degree in Town Planning from The Technion, the Israel Institute of



Technology, in 1978 and is a registered architect of California and Israel.

Committed to education, Ms. Diamond has served as a guest juror and lecturer in architecture programs at universities across the country. For the past six years, she has taught Design Studio part-time at the University of Southern California School of Architecture, and is serving this year as its Ned Fox Visiting Professor of Urban Design.

DTJ Wins Three SMPS Marketing Excellence Awards

Downing, Thorpe & James (DTJ), a Boulder-based design firm, was recently recognized by the Colorado Chapter of the Society for Marketing Professional Services (SMPS) 2002 Marketing Excellence Awards. DTJ received awards in the following three categories: Direct Mail (Insights Newsletter), Project-Client-Specific Marketing (Marketing Collateral Materials designed by Jennifer Davis of Davis Lovett Design), and Advertising

(DTJ's Logo Campaign)

DTJ provides architecture, planning, landscape architecture, urban design, and environmental graphic design for clients nationwide.

CommArts Hired for Australian Retail Project

Communication Arts (CommArts), a Boulder, CO multi-disciplinary design firm, has been engaged by Queensland Investment Corporation (QIC), one of the largest institutional funds managers in Australia, to work on theming, branding and graphics for Watergardens Town Centre, an urban retail village to be built 25 miles west of Melbourne city center in Victoria, Australia.

CommArts will work with the architects for Watergardens, The Buchan Group, headquartered in Melbourne. Services will focus on common areas, special features, amenities, and place/brand strategy. QIC initially contacted CommArts as a result of seeing the Boulder firm's award winning design work on The Block at Orange (California), an entertainment/retail center owned by The Mills Corporation.

QIC manages investments for the public sector, the Queensland Government, and other select investors. A government owned corporation established in 1991, QIC operates on a wholly commercial basis, providing competitive service and achieving returns that consistently rank it among the most successful funds managers in Australia. QIC's staff of 180 is based in Queensland in Brisbane's central business district.

CommArts specializes in bridging brand and place and works in the areas of identity and graphic communication, environmental graphic design, and placemaking. CommArts, designers draw upon backgrounds and education in architecture, industrial design, graphic and interior design. The firm has completed numerous and diverse projects, including an award winning identity program for Value Retail, London; Vail Resorts and the Downtown Boulder Mall, retail design of the new JFK International Arrivals Terminal in New York City; an award-winning Web site for Uptown Houston; a dozen sports facilities such as Madison Square Garden and Staples Center in Los Angeles; over 50 shopping centers including Diagonal Mar in Barcelona, Prudential Center in Boston, Park Meadows in Denver, Dolphin Mall in Miami, and Mall of Georgia in Atlanta. The company employs 52 and is located at 1112 Pearl Street, Boulder, Colorado.

Established in the year 2002, **Bender Design Studio, LLC** is an Architectural Firm located in Parker Colorado, with a wide range of experience in commercial and residential architecture. Project types include

(Continued on next page)

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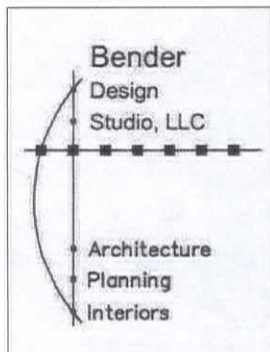
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(Continued from previous page)



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room labs, tenant finishes and residential renovations. **303.646.8935**

Powers' Progress



Powers Total Openings is pleased to announce that **Sharon Wilson** has been promoted to the position of Operations Manager for its Littleton branch.

Mrs. Wilson began her career in the Commercial Door, Frame, and Hardware industry in 1991, before joining Powers in 1994. Since then, she has served as a Project Manager and Detailer while gaining her credentials as an Architectural Hardware Consultant. In her new role, she will be responsible for all processes and personnel involved with order fulfillment. Mrs. Wilson graduated from Pepperdine University in 1990.

Powers Total Openings has been a leading supplier of Commercial Doors, Frames, and Hardware throughout the Front Range since the 1950's. Recent projects include the Denver Civic Center Office Building, CU Research Complex One at Fitzsimmons, and Skyridge Medical Center Office Building. With offices in Cheyenne and Littleton, it employs five Architectural Hardware Consultants.



Steve Mauro recently joined Powers Architectural Products as a Design Consultant for the Moeding - Alphonso Clay

Tile Façade system. Mr. Mauro has over 8 years of construction industry experience initially serving as a Field Engineer for a local general contractor, and serving the last three years as an Owners Representative for a national hotel developer. He will be responsible for introducing this award-winning, Clay Tile Façade system to the Colorado marketplace for the first time. Mr. Mauro graduated from Colorado State University in 1993 with a degree in Construction Management.

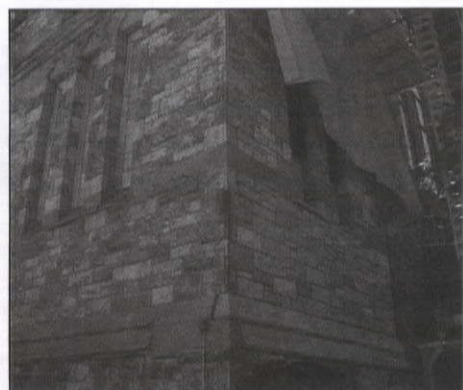
Powers Architectural Products is a sub-contractor of various commercial building

systems including Kalwall Translucent Skylights and Walls, Skyline Glass Skylights, Modernfold Operable Partitions, Hussey Spectator Seating, Smoke Guard Elevator Lobby Smoke Containment, and Moeding-Alphonso Clay-Tile Façade. For each of these systems, we provide architectural design assistance, in-house installation and project management, and after-market service. **AIA**

(Continued from page 3)

What's Going Up

tion is renowned. We extend our appreciation to Jim Ranniger, Rev. Darrel Mount, Rev. George Brunner and the congregation whose dedication to the project has been instrumental in making this project possible.



Ash & White Construction Company is a medium sized Colorado based general contractor specializing in commercial, light industrial and historic preservation construction. Ash & White has had the opportunity to successfully work for hundreds of private and public clients in Colorado and can be contacted by mail at: P.O. Box 97 Castle Rock, CO 80104, or by phone at: (303) 688-6924 or www.ashandwhite.com

The Roybal Corporation

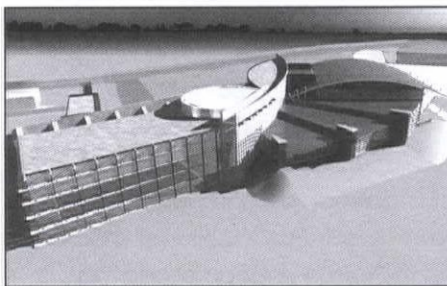
Rude Recreation Center

Project Info:
Building Location: Denver, Colorado
Building Type: Recreational Facility
Building S.F.: 42,900s.f.
Building Cost: \$7.9 million
Client: The City and County of Denver, Department of Parks and Recreation

The location and form of the building is a response to the tight site constraints. There is a restrictive flood way to the north, an existing child care center to the south east, and a city baseball field to the southwest. The new center will be located between these features and amenities and is designed to take full advantage of the beautiful park setting and its views of downtown and the new Bronco's stadium.

The Rude Recreation Center is a unique facility. The Weight Room is uncommonly large and benefits a strong weight lifting community. The multi-purpose rooms and kitchen serve the Food Bank of the Rockies, one of metro

Denver's most recognized supplemental meals, and youth assistance programs.

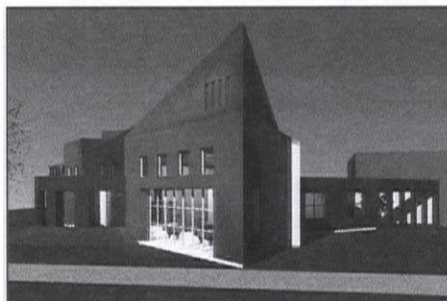


La Alma Recreation Center

Project Info:
Building Location: Denver, Colorado
Building Type: Recreational Facility
Building S.F.: 4,000s.f. addition, 900s.f. renovation
Building Cost: \$790,000
Client: The City and County of Denver Department of Parks and Recreation

The design of the new senior center located at the La Alma Recreation Center extends the range of services offered to the surrounding neighborhood. The new senior center will provide facilities for an expanding arts and crafts program as well as providing flexible multipurpose space to conduct a wide range of community events.

The project includes a large multipurpose room, game room, arts and crafts room, reading room, offices, renovated kitchen facilities and a computing and conference room.



The design is reflective of the local culture and is evocative of the modern Mexican architectural movement of the "wall culture". The use of brilliant colors is intended to complement the existing mural by local regional artist, Emmanuel Martinez. The bold form transforms the existing nondescript building into a focal point for the community.

DHHA Rita Bass Trauma & EMS Education Institute

Project Info:
Building Location: Denver, Colorado
Building Type: Adult Educational Facility

Building S.F.: 15,600s.f.
Building Cost: \$3.8 million
Client: Denver Health & Hospital Authority

The Roybal Corporation provided programming and design services for the Rita Bass Trauma and EMS Education Institute. The education, training, and research center is an extension of the Denver Health Hospital campus.



The Institute provides training and education facilities for the world renowned trauma center, paramedic division, and emergency medical services. The center will conduct extensive off site training for rural and remote communities through integrated satellite uplink and video production facilities.

In addition to its emphasis on production through technology, the program includes a large auditorium, classrooms, personal training stations, offices, reception area, waiting room, and catering facilities for fund raising events. **AIA**

(Continued from page 4)

Professional Project Management Course

- Contractual communications
- Communication process and interfaces

Module 5: Contract Management

- Types of contracts
- Contract administration
- Contract negotiation

Module 6: Cost Management

- Cost estimating and forecasting
- Cost budgeting
- Cost controls

Module 7: Risk Management

- Risk types and identification
- Risk response planning
- Risk deflection and mitigation

Module 8: Human Resource

(Continued on page 22)



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(Continued from page 21)

Professional Project Management Course

Management

- Organization types
- The project team
- Employee relations

Module 9: Integration

- Project management plan
- Project management process groups
- Develop measures of success

Dates and Times:

Five evenings, Nov 2002: Tues-11/5, Thurs-11/7, Tues-11/12, Thurs-11/14, Tues-11/19, 6:00-9:00 PM

Cost: \$915 (includes all materials)

Location: The class will be held at CU Interlocken, located at Level 3 offices in Broomfield, Colorado.

Directions will be included with registration confirmation.

Continuing Education:

Participants who successfully complete the course will be awarded a certificate of completion and earn 1.5 Continuing Education Units (CEUs). Also available, as applicable, are 38 PDUs (Professional Development Units) through the Project Management Institute or 15 LUs (Learning Units) through the American Institute of Architects. **AIA**

(Continued from page 5)

U.S. Green Council Checklist

buildings are designed, built, and maintained. No other organization represents the entire green building industry. Our unique coalition of members from every discipline of the building industry is rapidly transforming the marketplace.

You are invited to explore our programs and resources, and to join the growing green building community. By joining the Council and actively participating in the programs and committees, you will help speed the adoption of green building practices and become more knowledgeable as well. You will find that your involvement in the U. S. Green Building Council will expand your knowledge of sustainable design, strengthen relationships with industry leaders and practitioners, and provide access to new products and emerging trends. You will learn how to educate your clients, design better buildings, and promote sustainable practices.

Local Chapter for the State of Colorado

The first organizing meeting for

establishing an USGBC Colorado Chapter was held this August with 28 folks attending, including the USGBC staff Chapter Coordinator from Washington, D.C. The primary goals of USGBC Chapters are 1) collaboration, 2) networking and 3) education. The process for establishing a local chapter is to first be established as an Organizing Group, then a Provisional Chapter and finally a Full Chapter with its own 501c3 status. We have now formed a steering committee and subcommittees, which consist of:

Education / Program / Events;
Networking
Collaboration
Finance

USGBC Chapters across the country provide on-the-ground resources and networking for green building practitioners. Meet green building experts in your area, help speed the adoption of green building at the local level and tour green building projects by joining your local chapter.

Conference and Exposition

The U.S. Green Building Council (USGBC) will launch its First Annual International Green Building Conference and Exposition, November 13-15, in Austin, Texas. The Conference and Exposition will provide a much-needed annual "meeting place" for this rapidly expanding and dynamic green building industry. It will serve as the pre-eminent showcase for leading edge green technologies worldwide and will provide an outstanding educational program that highlights benchmarks of sustainability across a broad array of issues affecting site location and development, water use, energy, materials, indoor environmental quality, biophilia, health and productivity, financing-and the many technologies and systems supporting such interests. The USGBC's goal is to be inclusive, showcasing not just what the Council and its members have to offer, but to feature the best green building contributions from supporting industries, organizations, and the public at large.

Summary

Now you do know what a profound impact our buildings make on our natural environment, economy, health and productivity. Now is the time to get involved and make a positive difference with the work you do.

**"We shape our dwellings,
and afterwards our
dwellings shape our lives"**

— Winston Churchill

Spector and Associates, P.C. has been a member of the USGBC for five years. Cheryl A. Spector is a member of the Steering Committee for the Colorado Chapter and a member of LEED-R Technical Advisory Group. Spector and

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Associates, P.C. incorporates sustainable practices in all their projects and development. Spector and Associates, P.C. provides consulting services for LEED and sustainable building methods and materials. **AIA**

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USGBC/ LEED: www.USGBC.org
USGBC Colorado Chapter:
Annette@associates3.com

(Continued from page 9)

Colorado 2002 Renewable Energy in Buildings Awards

project, see:

Cres-energy.org/reba_shumei.html

The Colorado 2002 Renewable Energy in Buildings Awards winners for residential buildings are:

McStain High Plains Environmental Center in Longmont

CRES presented the award to McStain Neighborhoods, building owner and builder, in Loveland. In addition, CRES presented a certificate of recognition to Bloodgood Sharp Buster Architects in Scottsdale, Arizona. For more information

about this project, see:

Cres-energy.org/reba_hpec.html

Levi Residence, Boulder

CRES presented the award to the architect, Architectural Harmonics in Boulder. In addition, CRES presented a certificate of recognition to the homeowner, Ben Levi in Boulder. For more information about this project, see:

Cres-energy.org/reba_levi.html

The winner of the Colorado 2002 Exemplary Building Award:

Harmony Library, Fort Collins

CRES presented the award to the building owner, the City of Fort Collins. CRES also presented certificates of recognition to: Front Range Community College in Fort Collins; Davis Partnership in Denver; Lightforms in Santa Barbara, California; and R.C. Heath Construction Company in Fort Collins. For more information about this project, see:

Cres-energy.org/reba_harmony.html

CRES is the largest membership organization that advocates for energy efficiency and renewable energy in Colorado. Now in its fifth year, CRES is a state chapter of the American Solar Energy Society (ASES), and has about 500 members consisting mostly of professionals working in energy related fields around the state. For more information about the Colorado 2002 Renewable Energy in Buildings Awards, visit the CRES Web site at: <http://cres-energy.org/newspub.html> **AIA**

(Continued on page 15)

Sustainability in Urban Growth

anticipated victory for comprehensive planning.

The DRCOG MetroVison 2020 promises to create, on the Front Range, Ebenezer Howard's 1902 vision for walkable "Garden Cities," separated by green spaces and connected with transit at a new scale for this region and supports the concepts of what U. S. Department of Transportation used to call "joint development" of land at transit stops for residential and commercial density - now called Transit-Oriented Development (TOD). Again, this is nothing new, but finally, a direction for intelligent management of urban growth.

All of the above paints a rosy picture for the future of urbanization of the Front Range. Getting back to David Lewis's definition, however, that is definitely not the case in statewide politics

The Colorado legislature is not at all of one mind on the subject of "intelligent growth." The failure of the Governor to support the transmountain, I-70, DIA-to-Vail, transit referendum is one indicator. The hesitant way the Colorado legislature gave half-hearted approval to RTD's bid to raise its small

portion of the regional sales tax for "FasTracks" is another.

While some may believe the exciting proposals for change in our concepts of urban are too radical and other may believe they are "slamming the barn door after the horse has fled," I believe they are most welcome. The coming of Blueprint Denver and DRCOG's MetroVison 2020 are, most positive steps which should be encouraged.

I believe that it is incumbent upon us architects to support all of the new/old initiatives to achieve a higher quality of integrated and cohesive urbanization, including:

- economy in the use of water, land, and utility infrastructure
- a balance of all modes of transportation
- accessible and understandable street grids
- eyes on the street
- sidewalks separated from streets by tree lawns
- parking access off of alleys, etc.

We can learn from past errors. We are not doomed to repeat them if we have the courage to carry through the visionary plans that are now before us.

AIA

New Members

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Kyle D. Adamson, Assoc. AIA
RTKL Associates Inc.
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November 2002 thru December 2002

NOVEMBER

- 7th Communications Symposium
Vail, CO
- 8th West Chapter
Board Meeting
- 8th-9th Annual Design Conference
Vail, CO
- 13th South Chapter
Board Meeting
- 14th Denver Chapter
Board Meeting
- 15th AIA Colorado
Board Meeting
- 20th Urban Design Meeting
- 20th AIA Denver
Annual Membership Meeting
- 21st North Chapter
Board Meeting

DECEMBER

- 5th AIA Denver Joint (02/03)
Board Meeting
- 5th AIA Colorado North Joint (10/10)
Board Meeting
- 10th South Chapter
Design Awards Gala & Holiday Party
- 11th AIA Colorado South Joint (02/03)
Board Meeting
- 12th C. C. Lecture
Marc Peter Keane, 7:30pm
- 13th AIA Colorado
Board Meeting
- 13th AIA Colorado
Holiday Celebration

For more information on any of these events, call AIA Colorado at 800.628.5598 or visit our Web site at: www.aiacolorado.org, unless otherwise noted.

AIA

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Denver Apogee	11
Lines & Columns	12
North Chapter	13
109th Meridian	14
Members On The Move	2
What's Going Up	3
Professional Project Management Course	4
U.S. Green Council Checklist	5
Architect - Sustainability - Another Buzz Word?	6
The Historic Preservation Alliance of CS	8
CO 2002 Renewable Energy Awards	9
Denver Urban Station Advisory Committee	10
Sustainability in Urban Growth	15
A Sustainable Profession	17
The Austin Building Contributes to Sustainability	17
New Members	23



FALL 2002 \$ 5

A PUBLICATION OF AIA COLORADO

West of the 98th Meridian

by Elizabeth Wright Ingraham, FAIA



Elizabeth Wright Ingraham,
President 2002

In 1931, historian Walter Prescott Webb, wrote *The Great Plains*. It became a classic with its description of the interaction between the vast central plains of the United States and the people who lived west of the 98th meridian. Webb argued that the Great Plains and its semi-arid, treeless environment was so powerful that it put a characteristic mark on everything that survives within its borders, e.g. the six shooter, i.e. revolver, which became the weapon of the Plainsmen, the barbed wire and the windmill which made agriculture possible. He further argued that the 98th meridian constituted an institutional fault comparable to a major geological fault. Webb studied and carefully researched how the physical environment, weapons, tools, literature and law built the West. Coupled with the trail blazers who set out to discover the West - John Wesley Powell and the expedition leaders Lewis & Clark, Zebulon M. Pike and Stephen H. Long who called the area the Great American Desert, the West made unique changes as the new immigrants (eliminate people) modified Eastern influence. By 1876 with an estimated 12 million buffalo and the Plains Indians all but gone, law breakers reigned, not always because of criminal intent but because many of the imported laws did not fit the West. In short, the cultural baggage carried by those who moved West was unsuitable.

Today as an understanding and educated response to the physical environment slips away, an alarmed population responds to the onslaught of droughts, floods, fires, and tornadoes with legal efforts to gain restitution for their property loss as well as retribution to place blame. The underlying exploitation of natural resources which has been in full swing for many years while the limitations posed by the ecology of the Great Plains were being ignored, increases the complexity of the problems.

At the September 2002 AIA Western Mountain Region conference in Albuquerque, anthropologist David E. Stuart spoke eloquently about the Anasazi Indians in the Chaco Canyon area. He talked about a society which survived for some 200 years, only to collapse spectacularly in a mere 40 years. Stuart addressed the consequences of rapid growth in that region along with the misuse of farmland, malnutrition, disease, loss of community and the inability to deal with climatic catastrophe. The descendants of the Anasazi, the Pueblo Indians of the Southwest, adapted strategically to minimize

(Continued on page 18)