Living Traditions
and the
Original Green

School of Art, Design & Architecture
Judson University
10 September 10

Stephen A. Mouzon, AIA CNU LEED
The New Urban Guild
Miami Beach, Florida, USA
The Profession of Architecture
Very Few Left
How Things Operate
Lots of Controls
Massive Use of Energy
How Things Grow
THINGS that have Life
WHERE THEY can THRIVE
How We Get There
How We Participate
3 Levels of the Vernacular

★ Style
★ Design Principles
★ Living Vernacular Tradition

www.originalgreen.org
the ORIGINAL GREEN
Unlocking the Mystery of True Sustainability

Stephen A. Mouzon
The Guild Foundation Press
Miami

Foreword by
Robert F. Kennedy, Jr.
What’s the Problem?

1. the Absence of Plain Spoken Sustainability
2. the Achilles Heel of Architecture
3. the Carbon Focus
4. the Supply-Side Focus
5. the Trouble with Consumption
6. the Problem of Growth
7. the Fate of “Ought-To”
8. the Dilemma of Global Warming
9. the Danger of Wishes
10. the 2.5 Billion People

www.originalgreen.org
10. the Absence of Plain-Spoken Sustainability
9. the Danger of Wishes

www.originalgreen.org
8. the DILEMMA of Global Warming

www.originalgreen.org
7. the Fate of “Ought-To”

www.originalgreen.org
6. the Problem of Growth

www.originalgreen.org
5. the TROUBLE with CONSUMPTION

www.originalgreen.org
Planned Obsolescence

www.originalgreen.org
Throwaway Buildings

www.originalgreen.org
Throwaway Places

www.originalgreen.org
4. the Achilles Heel of Architecture

www.originalgreen.org
the Necessity of Uniqueness

www.originalgreen.org
the ENORMOUS EFFORT to FIGURE IT OUT

www.originalgreen.org
3. the Carbon Focus

www.originalgreen.org
2. the Supply-Side Focus
1. the 2.5 Billion People
WHAT CAN WE DO?

10. the Things that Work
9. the Diversified Extent
8. the Diversified Environment
7. the Diversified Means
6. the Expanded Uses
5. the Narrowed Resource Range
4. the Expanded Comfort Range
3. the Localized Operations
2. the Sharing of Wisdom
1. the Involvement of Everyone

www.originalgreen.org
9. the Diversified Extent

www.originalgreen.org
8. the Diversified Environment

The Transect is the operating system of the New Urbanism. The idea of the Transect originated in the 1900's as an ecological tool used to describe a series of natural habitats, but transects have existed in nature since the dawn of time.

www.originalgreen.org
the Transect

★ T1: Natural (the wilderness)

★ T2: Rural (fields & meadows)

★ T3: Suburban (the outskirts)

★ T4: General Urban (neighborhoods)

★ T5: Urban Center (main street)

★ T6: Urban Core (downtown)
7. the Diversified Means

www.originalgreen.org
the Classical Ideal

Charleston
Cotswolds
Nantucket
Santa Fe
New Orleans
Bermuda
6. the Expanded Uses

www.originalgreen.org
5. the NARROWED RESOURCE RANGE

www.originalgreen.org
4. the Expanded Comfort Range
CONDITIONING
the
Buildings First

www.originalgreen.org
LIVING in Season

www.originalgreen.org
3. the Localized Operations

www.originalgreen.org
Large-Scale Operations

Localized Operations

www.originalgreen.org
2. the Sharing of Wisdom

www.originalgreen.org
What’s The Delivery System?

★ Public Education’s Way
★ Higher Education’s Way
★ the Specialists’ Way
★ Nature’s Way

www.originalgreen.org
Public Education’s Way

www.originalgreen.org
Higher Education’s Way

www.originalgreen.org
the Specialists’ Way

www.originalgreen.org
Nature’s Way

www.originalgreen.org
1. The Involvement of Everyone

www.originalgreen.org
What Is A Living Tradition?

★ Inspiration
★ Resonance
★ Repetition
★ Adoption

www.originalgreen.org
THE DEATH of TRADITION

www.originalgreen.org
The Great Decline

1925–1945

www.originalgreen.org
Lost Their Way
~
Lost Their Green

www.originalgreen.org
The Dark Ages of Architecture

1945–1980

www.originalgreen.org
The New Renaissance

★ First Phase: 1980–2005
★ Second Phase: 2006–?
★ Third Phase: ?–

www.originalgreen.org
WORKINGS of a LIVING TRADITION

★ EASILY PERCEIVED
★ EASILY LOVED
★ EASILY PERFORMED
★ ... by the People, not just the Specialists

www.originalgreen.org
THE TRANSMISSION DEVICE

www.originalgreen.org
Building the Future
Can Traditional Architecture and Urbanism be Green?
21 - 22 November 2006, London, UK

Sustainable design has changed the direction of this century's architecture and sustainable communities have become the mantra for planning. The growing awareness of global climate change has led to an awakening of interest in green urbanism and architecture. Most often, green design is seen as something that is quite high-tech, as opposed to natural. Vernacular architecture and organically evolved cities have always responded to the limits of the time, whether in response to climate, to resources, or to skills.

This conference examines whether vernacular traditions can offer some lessons about responding to today's environmental challenges, and the emerging limits imposed by climate change.

Speakers

- Bill Dunster
- Elizabeth Moule
- Stefanos Polyzoides
- James Steele
- Quinlan Terry
- Tom Woolley & others.

The need to create a traditional response is vital when one considers two factors: the overwhelming preference of consumers for traditional residences and the fact that, according to the Sustainable Development Commission, 75% of the homes in which Britons will live in 2050 have already been built. Prominent architects, urbanists and scientists will examine ways that traditional architecture and urbanism can respond to 21st century environmental issues; will look at the sustainable refurbishment of Victorian and Edwardian terraces and will develop a practical agenda for moving forward.

The conference is organised with the support of our partner, the Building Research Establishment. The event will be held at:
Patterns vs. Styles

★ Early Necessity of Style
★ Blunt Instrument vs. Surgical Precision
★ Intelligence of Pattern Discourse

www.originalgreen.org
Bench Rail

Dormer Bar

www.originalgreen.org
“This is how we build here”
That which can reproduce and live sustainably is green; that which is incapable of doing so is not green. This is the standard of life. Life is that process which creates all things green.
What Is the Original Green?

www.originalgreen.org
ASPHALT GREEN
MUNICIPAL ASPHALT PLANT
BOROUGH OF MANHATTAN (1944-1968)
Changing Direction

www.originalgreen.org
Workman/Tool/Product
OG/LT/Artifacts

www.originalgreen.org
The Original Green
The Original Green

PLACES
The Original Green

NOURISHABLE

PLACES

BUILDINGS
PLACES

ACCESSIBLE

NOURISHABLE

BUILDINGS

The Original Green
The Original Green

PLACES
NOURISHABLE
ACCESSIBLE
SERVICEABLE

BUILDINGS
The Original Green

Places

Nourishable

Accessible

Serviceable

Buildings

Securable
The Original Green

PLACES
NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS
LOVABLE
The Original Green

NOURISHABLE  LOVABLE

ACCESSIBLE  DURABLE

SERVICEABLE

SECURABLE
PLACES

SECURABLE

SERVICEABLE

FLEXIBLE

ACCESSIBLE

DURABLE

NOURISHABLE

LOVABLE

BUILDINGS

The Original Green
PLACES

SECURABLE
FRUGAL

BUILDINGS

SERVINGABLE
FLEXIBLE

ACCESSIBLE
DURABLE

NOURISHABLE
LOVABLE

The Original Green
The Original Green

PLACES

Nourishable
Accessible
Serviceable
Securable

BUILDINGS

Lovable
Durable
Flexible
Frugal
PLACES

SECURABLE
FRUGAL

BUILDINGS

THE ORIGINAL GREEN

NOURISHABLE
LOVABLE

SERVICEABLE
FLEXIBLE

ACCESSIBLE
DURABLE
The Original Green

PLACES

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL
The Original Green

PLACES

NOURISHABLE  LOVABLE
0.0  1.0

ACCESSIBLE  DURABLE
0.0  1.0

SERVICEABLE  FLEXIBLE
0.0  1.0

SECURABLE  FRUGAL

BUILDINGS
The Original Green

PLACES

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL
The Original Green:BUILDINGS PLACES

PLACES BUILDINGS

NOURISHABLE FRUGAL

ACCESSIBLE FLEXIBLE

SECURABLE DURABLE

SERVICEABLE LOVABLE

SERVICABLE X

FRUGAL

DURABLE

LOVABLE

X
The Original Green

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

LOVABLE
DURABLE
FLEXIBLE
FRUGAL

PLACES
BUILDINGS
The Original Green

PLACES

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL
The Original Green

NOURISHABLE

ACCESSIBLE

SERVICEABLE

SECURABLE

LOVABLE

DURABLE

FLEXIBLE

SERVICEABLE

FRUGAL
The Original Green

PLACES

NOURISHABLE

ACCESSIBLE

SERVICEABLE

SECURABLE

BUILDINGS

LOVABLE

DURABLE

FLEXIBLE

SERVICEABLE

FRUGAL
The Original Green

PLACES

NOURISHABLE 1.0
ACCESSIBLE 1.0
SERVICEABLE 1.0
SECURABLE 1.0

BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL
<table>
<thead>
<tr>
<th>Places</th>
<th>Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nourishable</td>
<td>Lovable</td>
</tr>
<tr>
<td>Accessible</td>
<td>Durable</td>
</tr>
<tr>
<td>Serviceable</td>
<td>Flexible</td>
</tr>
<tr>
<td>Securable</td>
<td>Frugal</td>
</tr>
</tbody>
</table>

The Original Green
The Original Green

Places
- Nourishable
- Accessible
- Serviceable
- Securable

Buildings
- Lovable
- Durable
- Flexible
- Frugal
<table>
<thead>
<tr>
<th>Places</th>
<th>Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nourishable</td>
<td>Lovable</td>
</tr>
<tr>
<td>Accessible</td>
<td>Durable</td>
</tr>
<tr>
<td>Serviceable</td>
<td>Flexible</td>
</tr>
<tr>
<td>Securable</td>
<td>Frugal</td>
</tr>
</tbody>
</table>

**The Original Green**
<table>
<thead>
<tr>
<th>PLACES</th>
<th>BUILDINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nourishable</td>
<td>LOVABLE</td>
</tr>
<tr>
<td>Accessible</td>
<td>DURABLE</td>
</tr>
<tr>
<td>Serviceable</td>
<td>FLEXIBLE</td>
</tr>
<tr>
<td>Securable</td>
<td>FRUGAL</td>
</tr>
</tbody>
</table>

The Original Green
The Original Green

PLACES

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL

LEED
NOURISHABLE PLACES

www.originalgreen.org
Accessible Places

www.originalgreen.org
SERVICEABLE PLACES

www.originalgreen.org
Securable Places

www.originalgreen.org
Lovable Buildings

www.originalgreen.org
Down the Unlovable Carbon Stair-Steps

LOVABLE LEED
LOVABLE NON-LEED
UNLOVABLE LEED x 2
UNLOVABLE LEED
UNLOVABLE NON-LEED

www.originalgreen.org
Engineering

Design

www.originalgreen.org
GREEN
MOCKERY

SUSTAINABLY GREEN

www.originalgreen.org
THE DEMOLITION OF THE MONTH

MONTEREAU, France, Ile-de-France - Tours Lavoisier: demolition, 2006

(A) Tours Lavoisier: BEFORE demolition

(B) Tours Lavoisier: BEFORE demolition

(C) Tours Lavoisier: DURING demolition

(D) Tours Lavoisier: DURING demolition

(E) Tours Lavoisier: DURING demolition

(F) Tours Lavoisier: DURING demolition

www.originalgreen.org
Of Our Time

www.originalgreen.org

Of Here, Of Us
Things that Reflect Us

★ Reflecting the Human Form
★ Reflecting the Culture of our Groups
★ Reflecting the Culture of our Region
★ Reflecting the Culture of our Nation

www.originalgreen.org
THINGS that Delight Us

★ Sensual
★ Group
★ Memory
★ Intellectual
★ Sheltering
★ Challenging

www.originalgreen.org
THINGS that Put Us in HARMONY

★ Mathematical
★ Natural Processes
★ Natural Laws
★ Natural Forms
★ Harmony with the Region

www.originalgreen.org
Durable Buildings

www.originalgreen.org
Unnaturally Used Materials

Naturally Used Materials

www.originalgreen.org
“No Maintenance”

Repairable & Patchable

www.originalgreen.org
Flexible Buildings

www.originalgreen.org
Ceiling Height

www.originalgreen.org
Simplicity of Massing

www.originalgreen.org
Simplicity of Circulation

(???)

www.originalgreen.org
Pipes

www.originalgreen.org
Frugal Buildings

www.originalgreen.org
SUSTAINABILITY and the MELTDOWN

www.originalgreen.org
Putting Buildings Back to Work

www.originalgreen.org
Artificially Green

Naturally Green

www.originalgreen.org
INSTRUCTED
OPERATION

SELF-EVIDENT
OPERATION

www.originalgreen.org
Double the Size
Half the Family

www.originalgreen.org
Small is the New Luxury

www.originalgreen.org
The Original Green

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE
FRUGAL

PLACES
BUILDINGS

LOVABLE
DURABLE
FLEXIBLE

BUILDINGS
The Original Green

PLACES

NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL

Organic Farming
The Original Green

PLACES

NOURISHABLE
ACCESSIBLE
SECURABLE
BUILDINGS

LOVABLE
DURABLE
FLEXIBLE
FRUGAL

ORGANIC
FARMING

NU:
COMPACT & WALKABLE
SERVICEABLE
The Original Green

PLACES

NOURISHABLE

ORGANIC

FARMING

ACCESSIBLE

COMPACT & WALKABLE

SERVICEABLE

DIVERSE

SECURABLE

BUILDINGS

LOVABLE

DURABLE

FLEXIBLE

FRUGAL
The Original Green

PLACES
ORGANIC FARMING

BUILDINGS

NOURISHABLE
LOVABLE

ACCESSIBLE
DURABLE

SERVICEABLE
FLEXIBLE

SECURABLE
FRUGAL

NU:

COMPACT & WALKABLE
DIVERSE
IDENTITY
PLACES

BUILDINGS

SECRURABLE
F R U G A L

SECURABLE
FRUGAL

NOURISHABLE

LOVABLE

ACCESSIBLE
DURABLE

ACCESSIBLE
DURABLE

SERVICEABLE
FLEXIBLE

SERVICEABLE
FLEXIBLE

IDENTITY

COMPACT
& WALKABLE

COMPACT
& WALKABLE

ORGANIC

FARMING

ORGANIC

FARMING

FRUGAL

DURABLE

DURABLE

LOVABLE

LOVABLE

THE ORIGINAL GREEN
The Original Green

PLACES

- Nourishable
- Accessible
- Serviceable
- Securable
- Flexible

BUILDINGS

- Lovable
- Durable
- Frugal
- Identity
- Codes
- Traditions

Organic Farming
Compact & Walkable
Diverse
The Original Green

PLACES

NOURISHABLE
Organic Farming

ACCESSIBLE
Compact & Walkable

SERVICEABLE
Diverse

SECURABLE
Identity

BUILDINGS

LOVABLE
NU: Codes

DURABLE
Living Traditions

FLEXIBLE
Living Traditions

SERVICEABLE
Living Traditions

FRUGAL
NU: Identity
The Original Green

Places
- Nourishable
  - Organic Farming
- Accessible
  - Compact & Walkable
- Serviceable
  - Diverse
- Securable
  - Identity

Buildings
- Loveable
  - Living Codes
- Durable
  - Living Traditions
- Flexible
  - Living Traditions
- Frugal
  - Living Traditions
- Gizmo Green
  - Living Traditions
Rose Town

www.originalgreen.org
By Today’s Builders

By Their Grandparents

www.originalgreen.org
AN EDUCATED MAN IS ONE WHO HAS LEARNED HOW TO GET WHAT HE WANTS WITHOUT VIOLATING THE RIGHTS OF OTHERS.
Living Tradition

Building in Rose Town

Where to Build

Higher Ground

Build your house on higher ground so that the floods do not make you homeless.

How to Build

Building Shape & Walls

Above the Flood

Raise the floor of your house at least half your height above the ground because even the higher ground will flood in the worst of storms.

Strong Foundation

Build your foundation strong, with heavy columns of brick, block, or concrete so that logs and branches washing along in the flood do not smash your foundation and sweep your house away.

Light Wings

Build your house where each room has at least two outdoor walls, letting light and air into every room, because light exposes the dirt and air dries the wet things that would make you sick.

Ceiling Height

Build your ceilings high, up to twice your height or more, so that the hot air can rise, keeping you cooler.

* Kingston, Jamaica

* Kingston, Jamaica
1. Build the walls where the sun sets as narrow as possible, then protect it from the hot, afternoon sun with huts and louvered verandahs so that you stay cooler in your home.

Heavy Walls

Build your walls of mud or brick so that they are stronger when the hurricane comes.

BUILDING MATERIALS

Build most of your house from materials available in Jamaica whenever possible so that you do not have to pay for shipping heavy materials from overseas.

2. Doors & Windows

Window Shutters

Protect your windows with solid board shutters, so that you can quickly shut the shutters to protect your home when the storm is on its way.

Cool Breeze

Build at least one window on each end of your house that is either under a tree or under a verandah so you can leave these windows open and pull cool air into your home.

* KINGSTON, JAMAICA *
3 • Verandahs & Balconies

Street Verandah

Build a verandah opening onto the street, because it is in sitting on the street verandah that you can both visit with your neighbors and also take back your street from those who are behaving rudely or out of order.

Back Verandah

Build a verandah in your yard so you can work on things outdoors but out of the sun.

Bevelled Posts

Bevel the corners of all your Verandah posts so that they last longer and are more comfortable to lean against.

4 • Eaves & Roofs

Hip Roof

Build your roof sloping up equally from all walls so that each part of the roof strengthens the parts beside it in a storm.

Roof Slope

Slope your roof so that its height is 2/3 to 3/4 of its width, from ridge to eave, so that it will be strongest in a storm.
Let your roof overhang your wall a very short distance so that the hurricane has less area to grab so that your roof might better survive the storm.

SACRIFICIAL EVAP

If you must have a large overhang somewhere on your house, build it as a separate eave that can be sacrificed to the storm, leaving your main roof unharmed.

ZINC ROOF

Fasten your zinc roof using many screws, especially at the edges, which is where the hurricane attacks it most fiercely.

ZINC ROOF PAINT

Paint your zinc roof with zinc paint when it gets rainy so that it's life is prolonged, and so that the zinc will reflect the sun's heat back to the sky, keeping you cooler.

HIGH VENT

Build a high vent near the center of your house so that the hot air near your ceiling can escape, pulling cooler air in your windows.

5- ATTACHMENTS & SHINGLES

Upper Stairs

If you build an upstairs, put the stairs outside so that they do not take up space in your house.

Front Wall

Let there be a wall built at the front of your house which is as tall as your shoulders, so that your yard is private from the street but you can watch the street from your verandah.
Plant the land in front of your front wall with a front garden to make your street a more pleasant place and be a gift to your neighbors.

Build rain trough or gutters around your roof and store the rainwater in a cistern where you can use it later.

Build at least one bath in every yard so that the people living in that yard can clean themselves.

Do not release sewage into the ground but digester it in a septic tank so that you do not further contaminate Rose Tysen’s soil and water.

Build the place where you work near the street so your raw materials are easy to deliver and your customers don’t need to come into your yard.

Plant your yard with things you can eat; for why should your yard lay fallow while you spend more of your money at the grocery store?
Plant your yard with things you can eat for why should your yard lay fallow while you spend more of your money at the grocery store?
Plant your yard for why lay fallow while money at...
Fostering Life

www.originalgreen.org
Original Green

Partnership Opportunities

* A Living Tradition for Other Regions
* Benefactor for the Original Green
* Original Green Tour
* Guild Foundation 501(c)(3)

the

Original GREEN

www.originalgreen.org