Resilient Experiences in Appalachian Housing:
Architectural Experiments in Planned Housing

Appalachian Studies Conference

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Structure of Presentation

I. *Purpose*

II. *Goals*

III. *Relevance*

IV. *Context*

V. *Methods*

VI. *Expected Findings*

VII. *Implications*

Structure of Presentation

I.	*Purpose*	*Analyze past to inform future housing*
II.	*Goals*	*Provide template for future housing discussion*
III.	*Significance*	*Housing needs are changing now*
IV.	*Context*	*History and culture frame issue*
V.	*Methods*	*Mixed methods with focus on qualitative / historical*
VI.	*Exp. Find.*	*New family demographics demand new types*
VII.	*Implications*	*Land use, Construction methods, Design, Finance*

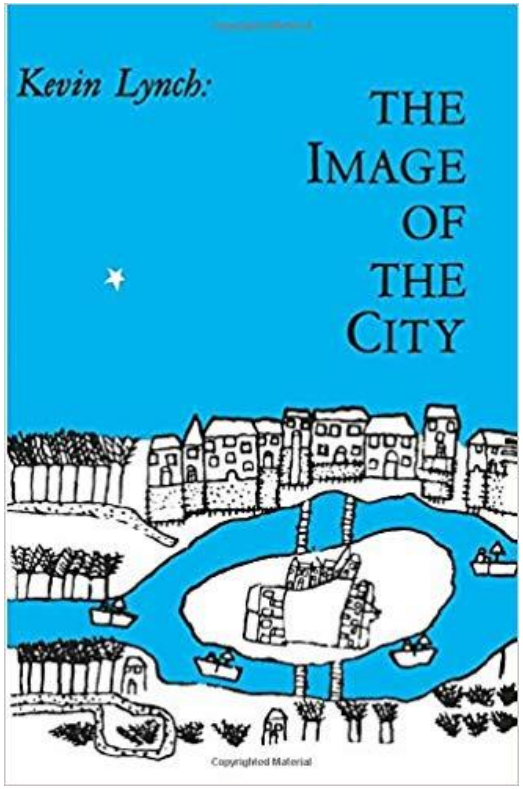
Purpose

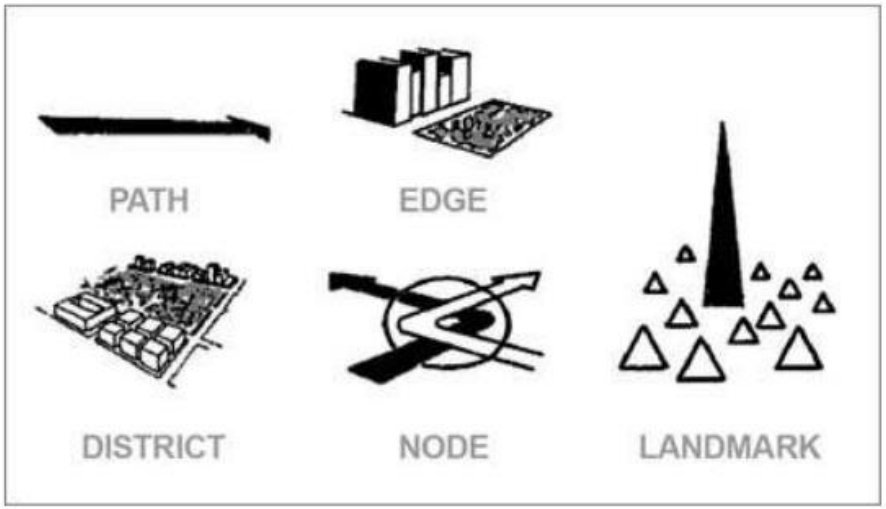
- ***Examine examples of historic West Virginia planned housing as a type***
- ***Analyze documents and data for patterns and insights***
- ***Situate within Appalachian history***
- ***Situate within company town and housing history***

Planned Housing

Wagner Style House,
Arthurdale, WV

Tools of Analysis





Tools of Analysis

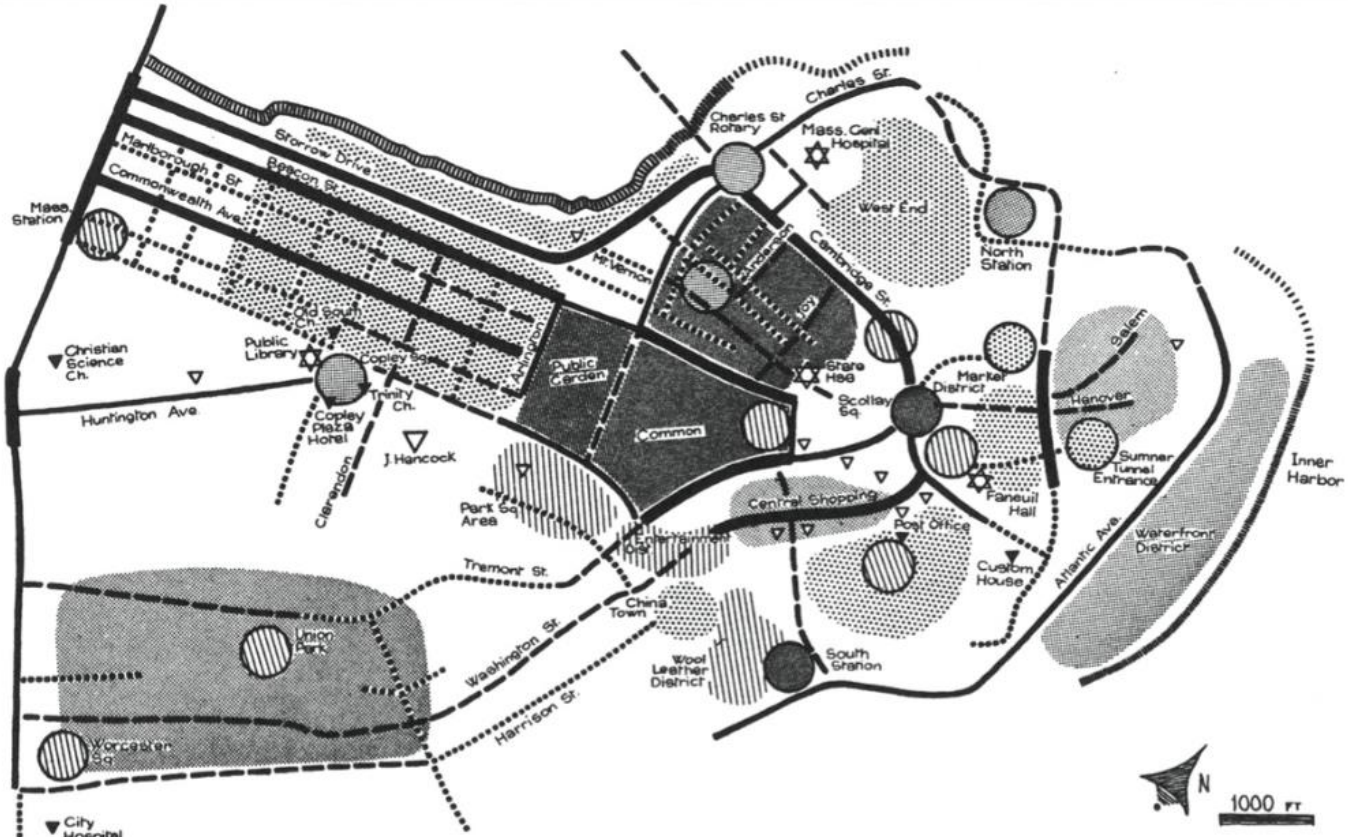
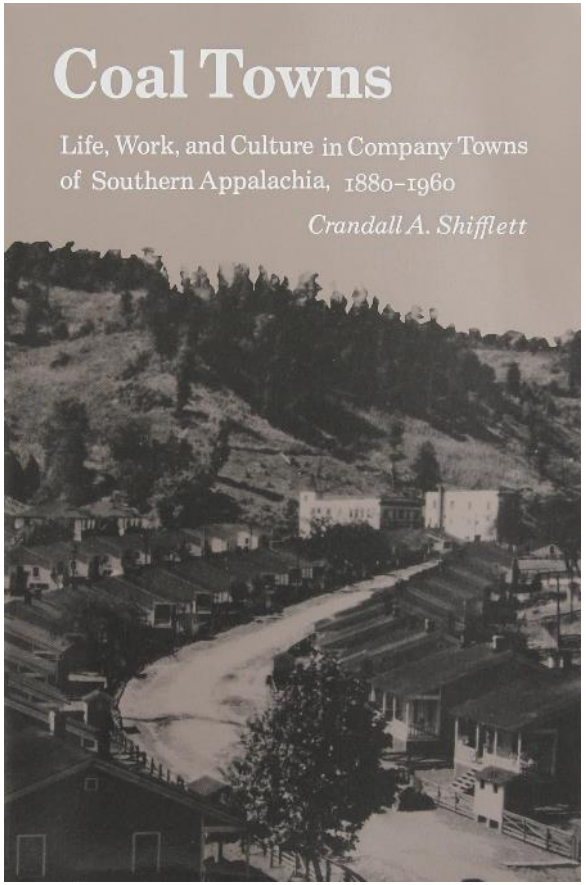


FIG. 35. *The Boston image as derived from verbal interviews*

The Image of the City, Kevin Lynch, 1960

Differences with Company Towns



Goals

- ***Examine historic planned town examples***
  - ***War Related Planned Towns – Nitro, WV***
  - ***Industry Related Planned Towns – Company Towns in WV***
  - ***Government Planned Towns***

Significance / Theoretical Framework

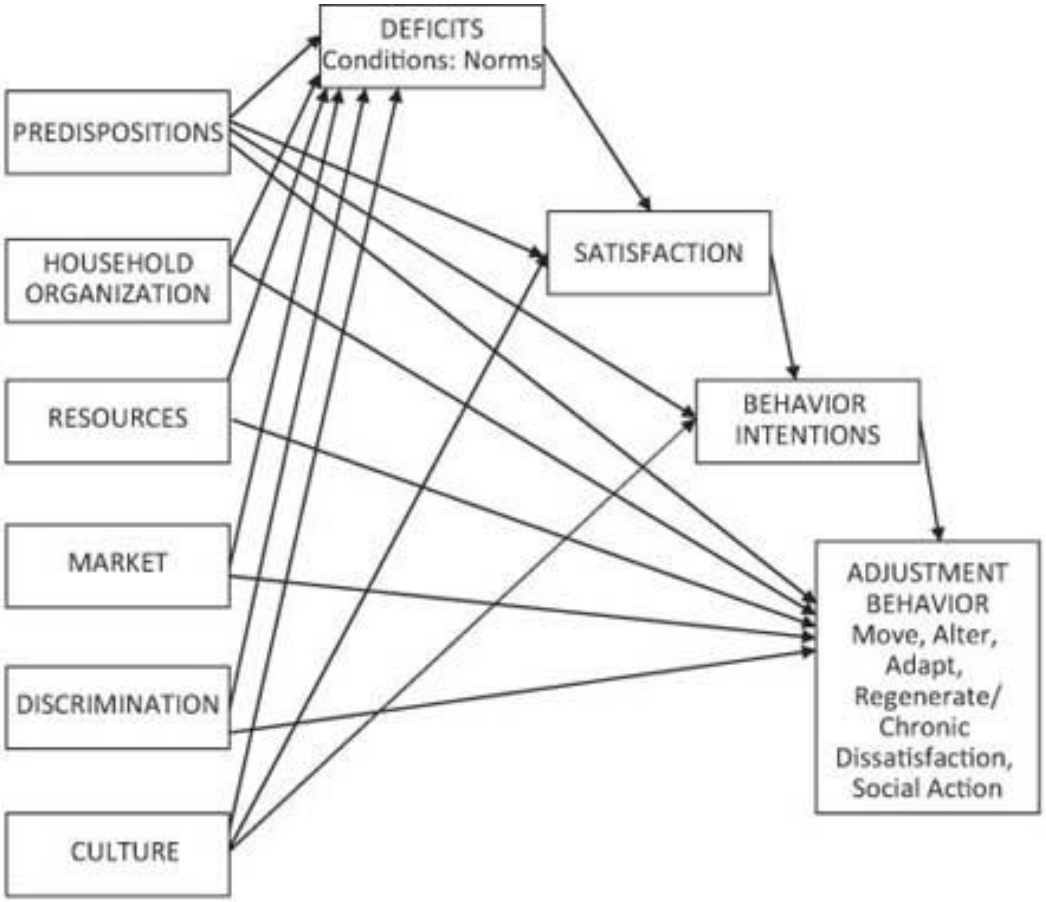
- *Morris and Winter (1975) – Housing Norms*
- *New Urbanism*
- *Architectural Experimentation*

Eleanor Roosevelt motorcade at Arthurdale, WV

Significance / Theoretical Framework

"A Theory of Family Housing Adjustment"

-Morris and Winter, 1975



Source: Based on Morris and Winter, 1978.

Significance / Theoretical Framework

- *Morris and Winter (1975)*
- ***Family norms and cultural norms as basis for decisions***

- *Residential mobility*
- *Residential adaptation*
- *Family adaptation*

Significance / Theoretical Framework

CONGRESS FOR THE NEW URBANISM

- ***New Urbanism***
- *1980s*
- *Reaction to post war suburbia*
- *Design led*
- *Focus on traditional and walkable neighborhoods*

Significance / Theoretical Framework

- ***New Urbanism***
- ***Traditional Neighborhoods***
- *Porches*
- *Sidewalks*
- *Hidden Garages*
- *Density*

Significance / Theoretical Framework

- ***New Urbanism***
- *Traditional Architecture*
- *Urban Design*

Significance / Theoretical Framework

- ***Architectural Experimentation***
- *Elemental, Santiago, Chile*
- *Alejandro Aravena – Pritzker Prize*

Significance / Theoretical Framework - Chile

Significance / Theoretical Framework

- ***Architectural Experimentation - Rural Studio, Auburn Univ.***

Significance / Theoretical Framework

- ***Architectural Experimentation - 3D printing and construction***

Methods

- ***Presentation***
  - ***Document Analysis***
  - ***Literature Review***
  - ***Statistical Data***

- ***Paper***
  - ***Case Study***
  - ***Interview***
  - ***Observation***
  - ***Surveys***

Renovated original house at Arthurdale

Expected Findings

- *Historic structure of towns often intact*
- *Infrastructure – Need for improvement*
- *Suburbanization not as prevalent?*
- *Housing stock older than typical*

Expected Findings

- *Manufactured housing infill*
- *Infill Housing – Housing types devoted to family cost needs.*
- *Older population needs AIP needs met*
- *Family demographics influence new housing models*

Implications

- *Adaptation of existing neighborhood development models*
- *Historic towns – Re-energized with infill housing that meets family type needs*
- *Innovation in funding models*

Implications

- *Build on artistic, historic, and cultural*
- *Housing that is planned but incremental*
- *Adaptations of co-housing when appropriate*
- *Rethink of historic model for 21st century Appalachia*

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