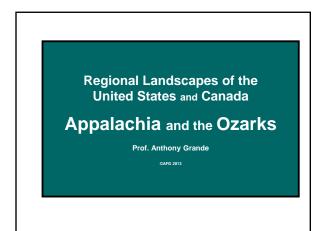
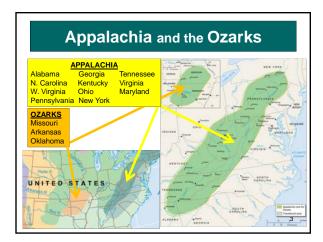
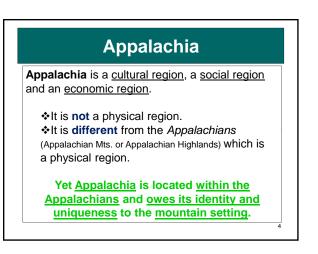
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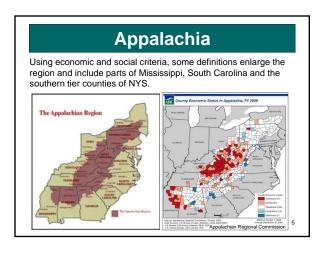


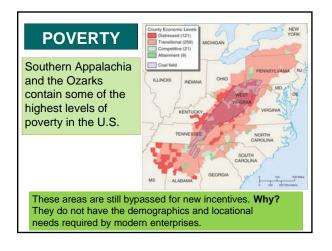
### **OVERVIEW**

- ✓ One region with two parts 300 miles apart having a similar physical geography.
- ✓ Both parts in relative isolation.
- Human geography distinguished by unique cultural development, lack of economic opportunities, poor farming and poverty.





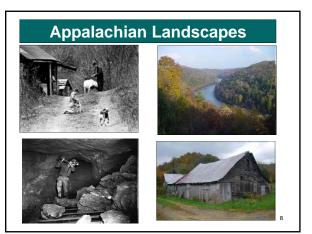


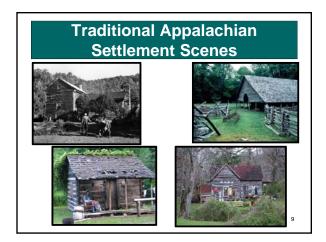


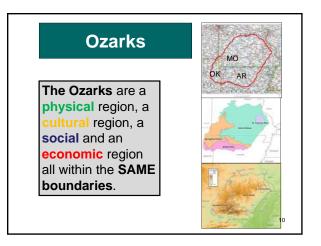
### **Settlement Limitations**

- Narrow valleys
- Steep hillsides
- Lack of flat land
- Poor soils
- Thick forest cover
   Low density network of roads and railroads; few navigable rivers.

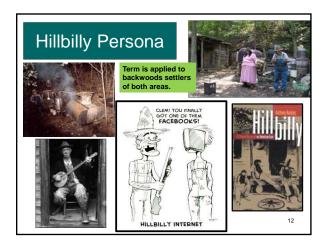


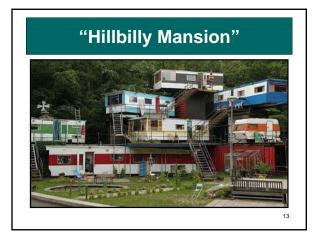




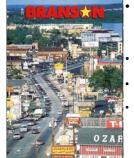








### **Ozark Tourist Center**



Branson, SW Missouri, is known as "the Live Music Show Capital of the World" and the "family-friendly Las Vegas."

Specializes in country music; has museums and theme parks Many well-known entertainers have their own theaters.

Grew from a one-venue town in 1960 to become a major tourist and convention destination of the Ozarks.

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### **Ozark Topography**This area is composed of two regions: Ozark Plateau (north) Highest and most rugged area is in northern Arkansas. Separated from Ouachita Mts. by Arkansas River Valley. It is dissected plateau (separate puteau areas) created by doming.

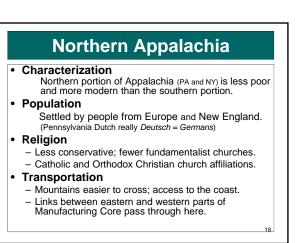
Ouachita Mts. (south)
 – Folded parallel ridges run in
 an east-west direction.

### The Ozarks ✓ This area is rich in minerals and forest products. ✓ Limited flat land hinders agriculture. ✓ Rural setting and lower cost of living has made it a retirement destination. ✓ Scenery, wild rivers for rafting, forests and cultural heritage have made it a vacation destination.

The Southern Appalachians (New York-Alabama) Region of contrasts: Northern portion vs. southern portion Beauty and pollution Wealth and poverty

- A major source of coal.
- A landscape greatly impacted by coal mining.
- Federally financed development programs.

New activities: recreation, second homes, and retirement property.



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### Southern Appalachia

### Characterization

- Unique culture development: relative immobility plus historic isolation
- Little in-migration; little out-migration
- Little interaction with rest of country

### Population

- Predominantly white, Anglo-Saxon, Protestant
- Largest white low-income region of the US
- Politically and religiously conservative

### Early stereotyped

- Labeled unsophisticated and behind the times;

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"Hillbilly" tag remains.

### **Divided States of Appalachia**

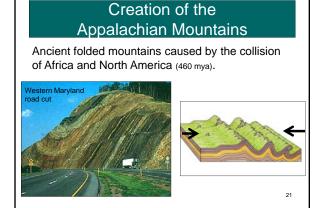
### 1. Civil War Disparity (see maps in Section 5 of Historical Atlas) • Mountain people of Virginia opposed secession as did those of PA and NY

- PA and NYPlantation agric. was not part of mountain way of life
- Plantation agric: was not part of mountain way of in
   Mountain part of VA became West Virginia (1863).

### 2. West Virginia: only state wholly within Appalachia

### 3. In all other states that are part of Appalachia:

- Largest city, chief manufacturing center and/or state capital located <u>outside</u> Appalachia region.
- So these areas became marginalized by more prosperous/urbane sections of their states.
- Prosperous/urbane sections of their states.
  Less access to education, media, eco. incentives.
- Less access to the state's tax base.
  - (Especially if you avoid paying taxes!)



### Appalachian Mt. Topography Five physiographic sub-regions: a) Blue Ridge b) Ridge and Valley c) Great Valley d) Appalachian Plateau e) Piedmont (covered with the South)

# <section-header> Appalachian Mt. Topography Blue Ridge Abrupt rise from the Piedmont to the east. Narrow in north, wide in south. Crestline preserved in national parks. River gaps through the ridge allowed early settlers to cross the region.

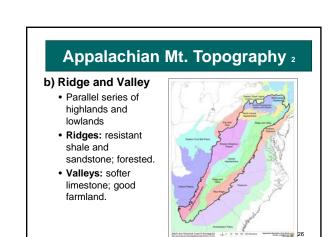


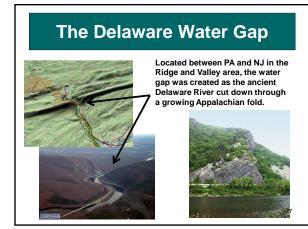
### **Great Smoky Mountains**

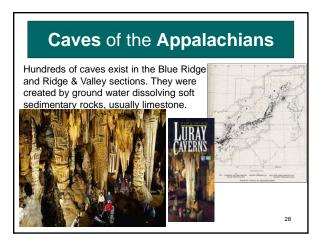
National and state parks preserve some of the highest peaks of the Appalachians, all around 6600 feet high.



Mt. Mitchell (6684 ft) in North Carolina is the highest point east of the Mississippi River.

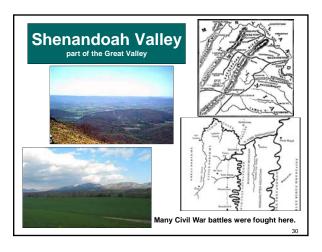






### Appalachian Mt. Topography 3 C) Great Valley Between the Blue Ridge and the Ridge and Valley sections. Historic travel route between the southern and the northern areas. Early important agricultural area.

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### Appalachian Mt. Topography 4

- d) Appalachian Plateau. It is divided into 2 portions: Allegheny Plateau and Cumberland Plateau
  - Allegheny Front is an escarpment on eastern edge of the plateau.
  - Significant barrier to early westward movement because of the rugged terrain.



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### **Appalachian Plateau**

### "A dissected plateau."

The section of I-64 across West Virginia was the most expensive stretch of the system based on cost per mile.



The New River cuts a deep gorge in the Appalachian Plateau of southern West Virginia. The bridge is the **world's longest arch structure** and shortened the trip across the gorge from 45 minutes to 1½ minutes!

### **Appalachian Agriculture**

- More than 50% the people are rural.
- Farming
  - Many owner-operated farms, no corporations.
  - Tenancy rare.
  - Few resources:
    - Rugged topography
    - Poor soil
  - Short growing season in many areas
  - Small farm sizes (ave. 100 acres)
  - Recent trend: part-time farmers.

### Agricultural Products

- General farming (no one crop dominant)
- Herding (cattle/sheep/goats) best use of steep slopes
- · Valley-area crops
  - Tobacco
  - Tomatoes
- Cabbage Grains

- Dairying

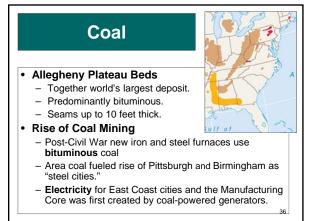
Corn for animal feed (historically it was distilled into moonshine)

- Apples

- Marijuana (the new illegal cash crop)

### Mining

- Coal: PA, WVA, OH, KY, TN, AL
- Mainly bituminous; anthracite in Pennsylvania.
- Oil
  - First oil well in Pennsylvania (1859); also SW NYS.
  - High-quality oils and lubricants (not fuel); Quaker State
- Zinc: Tennessee
- Copper: North Carolina/Georgia border
- Lead
  - Ozarks Tristate District (OK, KS, MO)
  - SE Missouri



### **Coal Grades**

- Coal is graded by assessing the relative presence of carbon vs. waste material.
  - The higher the percent of carbon, the higher the grade.
  - The higher the grade, the hotter the coal burns, and the less the pollution.
- Grades in order of purity: peat (LOWEST), lignite (called "brown coal"), bituminous, anthracite (HIGHEST)



### **Coal Definitions**

• Anthracite ("hard") coal is naturally clean and smokeless.

It became the preferred fuel in cities in the mid-1800s and was supplied from mines in northeast Pennsylvania.

The **Delaware & Hudson Canal** was an important link to get PA coal to east coast cities.

• **Bituminous ("soft") coal** is cheaper and more plentiful than anthracite but dirtier.

It came into demand for railway locomotives and stationary steam engines. It is used to make coke.

### Coal Definitions cont'd

 Coke (coking coal) is the result of processing bituminous coal with intense heat to drive off its volatile components.

- It is almost pure carbon and creates little ash when burned.
- Coke is used in blast furnaces to make steel
- It is usually made on site from bituminous coal shipped to the steel plant.

### Mining Coal in Appalachia

- Coal mining was very labor intensive.
  - Tunnels were dug by hand.
    Coal was mined by hand
  - Mine workers carried coal to the surface.
- The first conveyor belt for use in coal mines was invented and installed in the early1900s.
- Mechanization = fewer miners.
- Unions protested the use of machinery.
- Strikes and concessions (higher salary in return for using machinery) eventually hurt the miners more by eliminating jobs, esp. in West Virginia.

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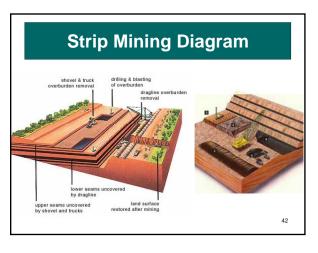
### Coal Mining Methods 1. Shaft (underground mining) Earliest and still dominant method Huge mobile drills Continuous mining machines here

 Continuous mining machines bore and mine at the same time.

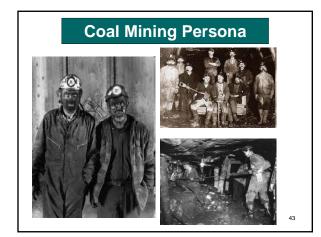
### 2. Surface

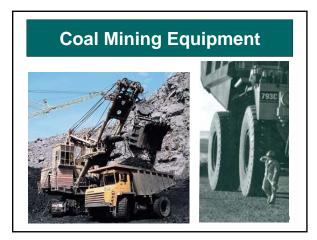
- Used in the central region
  - a. Contour (strip) mining
  - b. Area mining flatter terrain
     c. Mountaintop removal hilly areas; much smaller scale

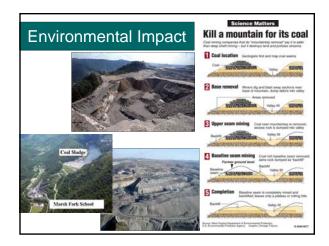
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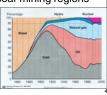


### Post–World War II

- Coal's use declines with growth of petroleum and natural gas
- Leads to rising unemployment, out-migration
- Economic depression in coal-mining regions

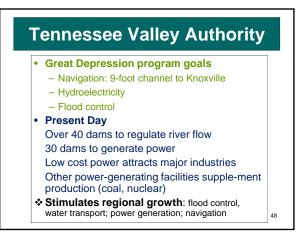
### Late 20<sup>th</sup> century

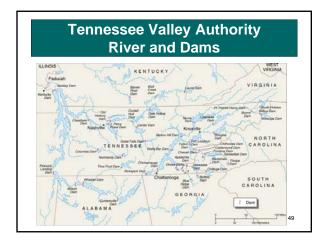
- Declining demand
- Shift to other regions
- Fluctuation in exports
- Environmental concerns

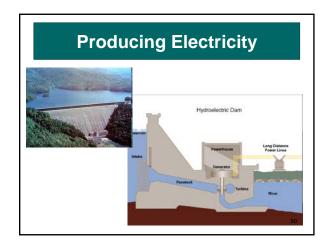


## A federally-owned<br/>corporation created<br/>by Congress in 1933<br/>to oversee production<br/>of electricity in a 7-<br/>state area drained by<br/>the Tennessee River<br/>and its tributaries.Image: Constant of the second of the

Great Depression.







### Appalachian Regional Commission (ARC) • Appalachian Redevelopment Act (1965) as extension of Area Redevelopment Act (1961) • Appalachian Regional Commission – Responsible for an area from New York to Alabama – Primary objective to improve highways • Decrease isolation • Attract manufacturers – Differences from TVA • Requires state-federal cooperation • Improving public and vocational education

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Regional economic planning

