## **EXAM INFORMATION**

- Exam Two will be Tuesday, April 12.
- Format same as Exam 1.
- Multiple choice short answer including maps plus choice of essay topics.
- · See Study Guide.
- Missed exam make-up is all essay format.
- ➤ The Extra Credit for Exam Two is due no later than the start of the exam on April 12.
- ✓ Remember to provide examples from all 4 choices for max extra points.
- ✓ All other extra credit is by the end of the semester.

## **Regional Landscape Studies**

- ✓ NORTHLANDS
- ✓ NORTHEAST COAST
- ✓ MEGALOPOLIS
- ✓ CANADA'S NATIONAL CORE
- AMERICA'S HEARTLAND
- APPALACHIA and THE OZARKS
- ☐ THE SOUTH
- □ PLAINS and PRAIRES
- MOUNTAINS and PLATEAUS
- □ DESERT SOUTHWEST
   □ NORTH PACIFIC COAST
- □ HAWAII

- <<<For each region:
- 1. Know its physical geography.
- 2. Identify its unique characteristics.
- 3. Be able to explain the human imprint.
- 4. Discuss its sequence occupancy and economic development.

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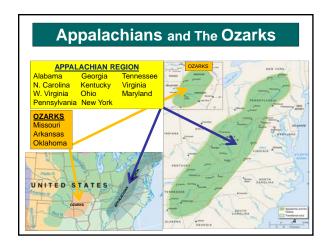
Regional Landscapes of the United States and Canada

Appalachia and The Ozarks

Prof. Anthony Grande

CAFG 2016

Parts of chapters 13, 15 and 16 in Conzen textbook





# Geographic Theme: Limited Opportunity in a Landscape of Isolation Grouped together because of similar geographies (physical and human), yet 300 miles apart. Both experience isolation because of geologic setting. Human geography distinguished by poverty resulting from poor farming, poor education, poor transportation network and a lack of economic opportunity.

**OVERVIEW** 

- ✓ N. Appalachians have ties to the Heartland as a coal supplier; S. Appalachians and the Ozarks have ties to the South through historical interaction.
- Unique regional culture and landscapes are the result of numerous site and situation factors.

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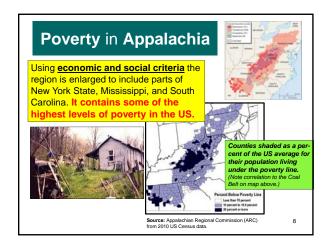
## **TERM: Appalachia**

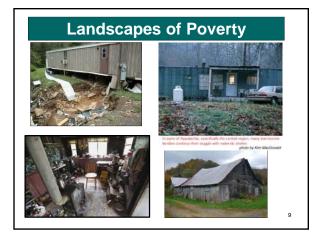
Appalachia: an area of eastern US characterized by poverty/life-style that is below the national norm.

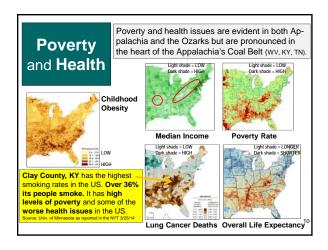
- It is a cultural region, a social region and an economic region.
- ❖It is not a physical region.
- ❖It is different from the *Appalachians* (Appalachian Mountains or Highlands or Plateau) which is a physical region.

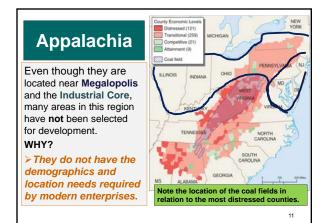
Yet <u>Appalachia</u> is located <u>within the</u> <u>Appalachians</u> and <u>owes its identity and uniqueness</u> to its <u>geologic setting!</u>

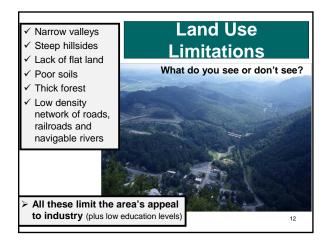
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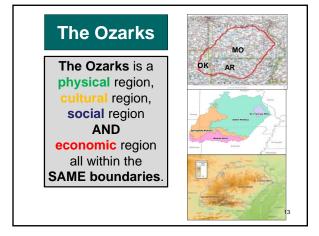


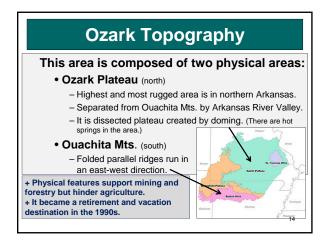




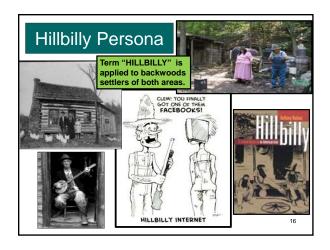


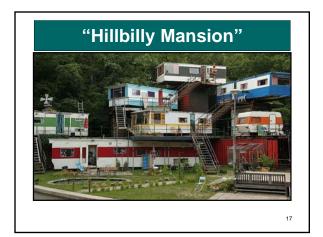


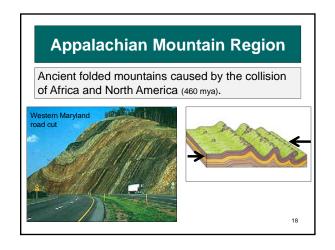


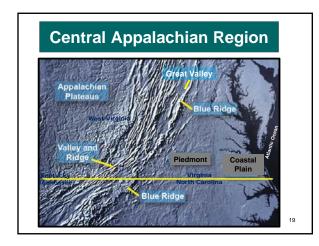


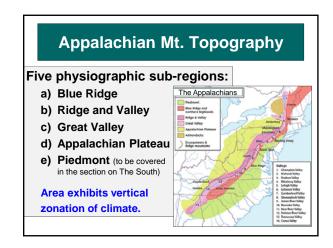


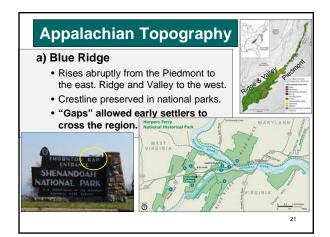






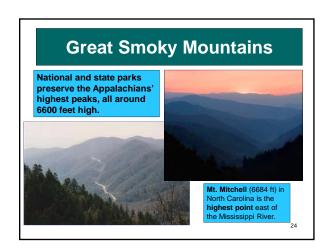


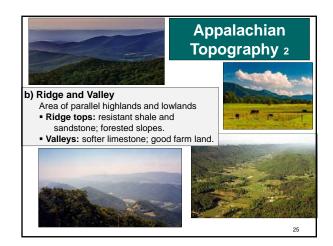


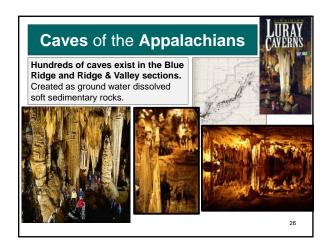


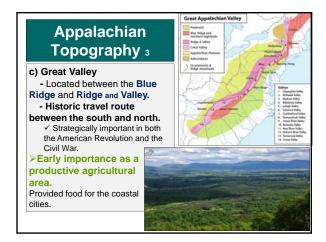


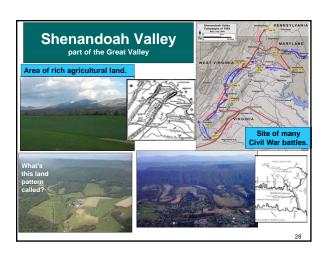


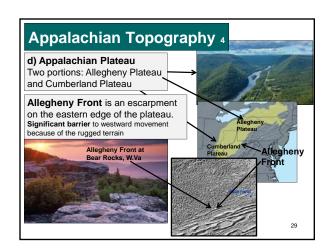


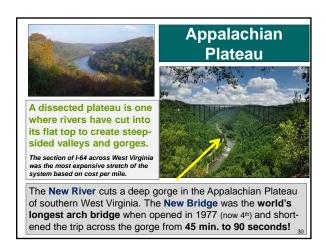












## **Northern Portion Social** Landscapes (NY, PA, OH, MD)

**Characterization**Northern portion is less isolated, less poor and more modern than the southern portion.

#### Population

Settled by people from Europe and New England.

#### Religion

- Less conservative: fewer fundamentalist churches.
- Catholic and Orthodox Christian church affiliations.

#### Transportation

- Mountains easier to cross; access to the coast.
- Links between eastern and western parts of Industrial
- Link to Washington-Baltimore Metro Area.

## **Southern Portion Social** Landscapes (West Virginia to Alabama)

#### Characterization

- Unique culture development; limited mobility: width and height of ridges plus historic living in small valleys.
- Little in-migration; little out-migration; little interaction with rest of country (assimilation and acculturation issues).

#### Population

- Predominantly white, Anglo-Saxon, Protestant with roots in Southern Colonies.
- Largest white low-income region of the US.
- Politically and religiously conservative.

#### Early stereotyped

- Labeled unsophisticated and behind the times.
- "Hillbilly" tag remains.

## **Divided States of Appalachia**

Civil War Disparity (see maps in Section 5 of Historical Atlas)

- Mountain people of Virginia opposed secession (as did those of OH, PA and NY)
- Plantation agric. was not part of mountain way of life
- The mountain part of Virginia became West Virginia (1863).

West Virginia: The only state totally within Appalachia.

#### In the other states that are part of Appalachia:

- Largest city, industrial center and/or state capital located outside of the Appalachia region.
- So the Appalachian areas became marginalized by more prosperous/progressive sections of their states. Less access to education, media, economic incentives.

  - Less access to the state's tax base.

Especially if you avoid paying taxes! So isolation does not pay off.

## **Appalachian Landscape**

Over 50% the population is classified as rural living outside of towns.

#### Farming is main occupation, but....

- · Most owner-operated farms, no corporations
- Small farm sizes (c.100 acres on average)
- · Rugged topography, poor soil, short growing season in many areas.
- General farming: no dominant crops
- · Recent trend: part-time farmers.
- Very different from the agricultural core
- Coal mining and lumbering are still important.







# COAL

### **Allegheny Plateau Beds**

- Together world's largest deposit.
- Seams up to 10 feet thick.

#### Rise of Coal Mining

- Post-Civil War new iron and steel furnaces use bituminous coal
- Area coal fueled rise of Pittsburgh, PA and Birmingham, AL as "steel cities."
- Coal-powered generators created electricity for East Coast cities and the Industrial Core.





## Coal Coal beds were created as tectonic movement compressed organic material in **Formation** swamps under great heat and pressure. Geologically, it happened quickly: little decomposition so a high carbon content is retained.





## **Coal Definitions**

Anthracite ("hard") coal is a metamorphic rock.
 Highest grade of coal. Burns the hottest. Naturally clean and smokeless.

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

 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 (coking coal).

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## Coal Definitions cont'd

- Lignite (brown coal) and peat are the lowest grade and "coolest" burning of the carbon fuel fuels.
- Coke (coking coal) is the result of processing bituminous coal with intense heat to drive off its volatile components (man-made substance).
  - It is almost pure carbon and creates little ash.
  - · Coke is used in blast furnaces to make steel.
  - · It is usually made on site.
  - Proximity to the industrial core is important because the bituminous coal was moved by rail from the coal fields to the steel mills.

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## Mining Coal in Appalachia

- Coal mining was very labor intensive at first.
  - Tunnels were dug by hand.
  - Coal was mined by hand.
  - Mine workers carried coal to mule-drawn carts or to the surface.
- The conveyor belt for use in coal mines was invented and installed in the early 1900s.



- Mechanization = fewer miners.
- Unions protested the use of machinery.
- Strikes and concessions (higher salary in return for using machinery) hurt the miners more by eliminating jobs, esp. in WVA.

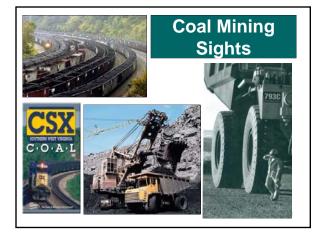
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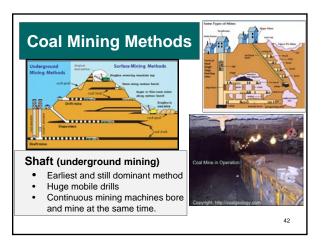
## **Coal Mining Persona**



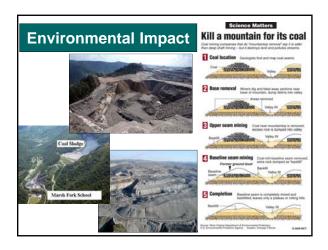


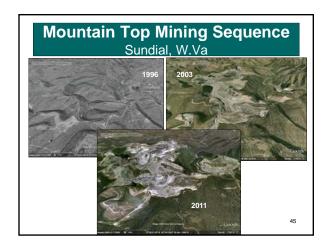


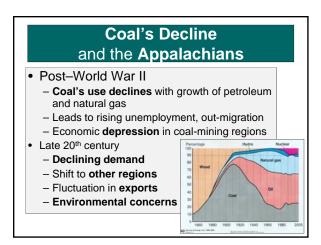


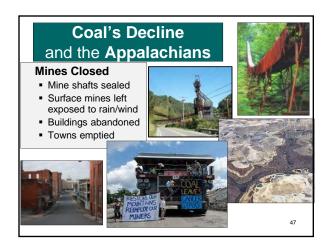




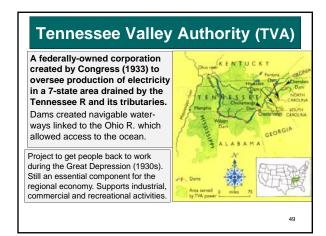














# **NEXT**

# The South:

Atlantic and Gulf Coastal Plains, The Piedmont, and Florida