### **EXAM INFORMATION** ❖ Exam Two will be Friday, April 7. · Format same as Exam 1 Covers regions from Northlands to Appalachia including Canada's National Core. > The Extra Credit for Multiple choice questions Exam Two is due no later than the start of including maps, plus choice the exam on April 7. of essay topics. All other extra credit is by See Study Guide. Review PP lecthe end of the semester. tures on home page + text chapters. Missed exam make-up is all essay format. IOW DAY MAKE-UP HANDOUT: Take home assignment is due on April 21st. Canada's National Core material will be on Exam II.

### **Regional Landscape Studies** NORTHLANDS <<<For each region: NORTHEAST COAST Know its physical MEGAL OPOLIS geography. CANADA'S NATIONAL CORE Identify its unique AMERICA'S HEARTLAND **APPALACHIA** and characteristics. THE OZARKS Be able to explain the ☐ THE SOUTH human imprint. ☐ PLAINS and PRAIRES Discuss its sequence ■ MOUNTAINS and PLATEAUS occupancy and eco-□ DESERT SOUTHWEST nomic development. ☐ NORTH PACIFIC COAST □ HAWAII

Regional Landscapes of the United States and Canada

Appalachia and The Ozarks

Prof. Anthony Grande

CAPG 2017

Parts of Chapters 13, 15 and 16 in Conzen textbook



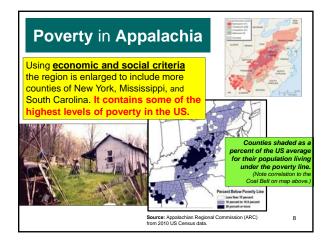


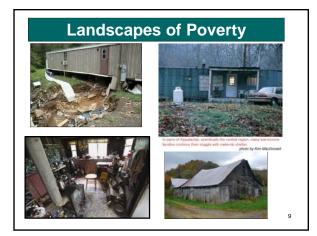


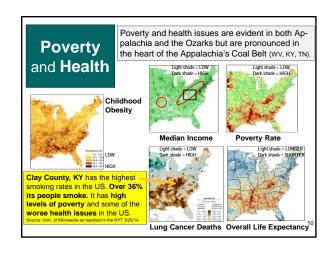
# **TERM: Appalachia**

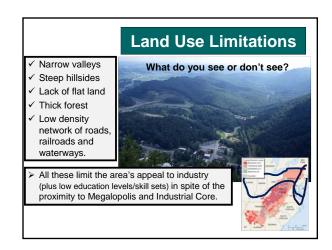
- Appalachia: area of eastern US characterized by poverty/lifestyle that is below the national norm.
  - ✓ It is a cultural region, a social region and an economic region.
  - ✓ But it is NOT a physical region.
  - ✓ It is different from the physical region called The Appalachians (Appalachian mountains, highlands and plateau).
  - Yet "Appalachia" is located within the Appalachians and owes its identity and uniqueness to its geologic setting!

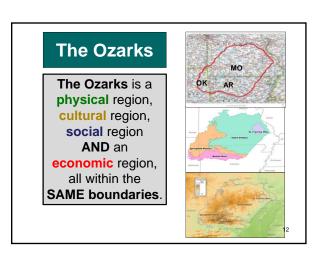
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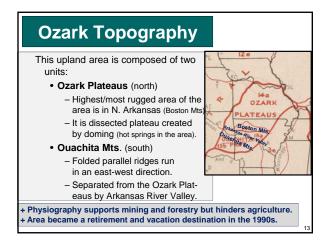




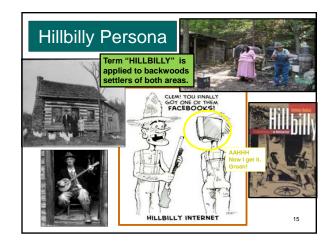


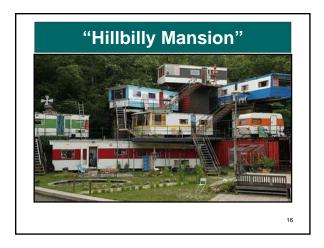


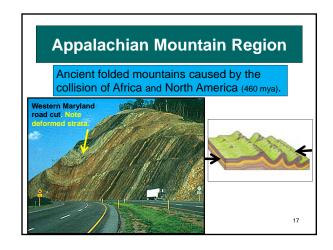


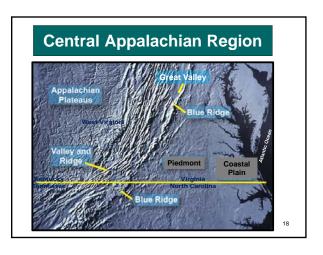


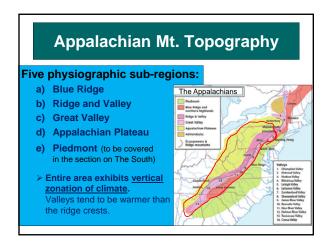


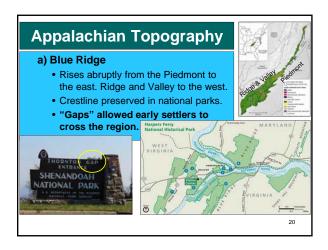


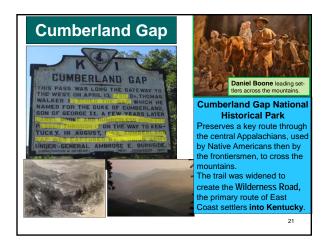




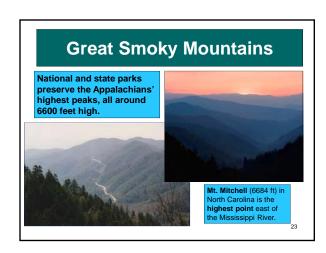


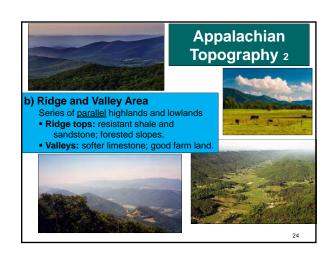


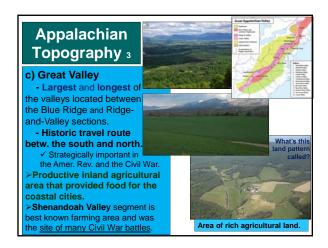


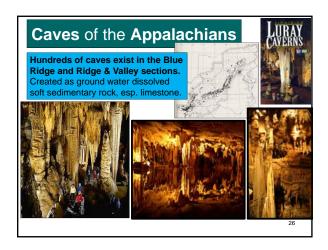


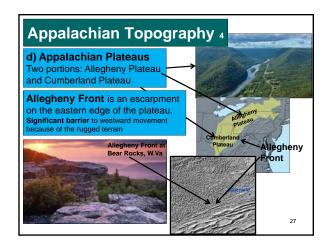


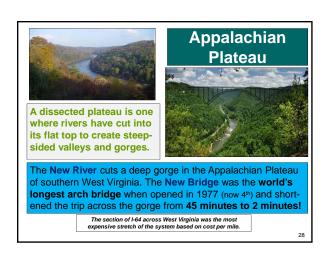












## **Appalachia's Social Landscapes**

### Northern Portion NY/PA/OH/MD

- Characterization: Less isolated, more modern, and less poor than southern portion
  - Mountains easier to cross
  - Access to coast
  - Links to Industrial Core and to Washington/Baltimore areas
- Population: Settled by people from Europe and New England.
- Religion: Less conservative; fewer fundamentalist churches
  - Catholic and Orthodox Christian church affiliations

### Southern Portion or Upland South (West Virginia to Alabama)

- **Characterization: Limited** mobility and interaction
  - Width/height of ridges plus living in small valleys isolated development
  - · Little in-migration; little outmigration; minimal interaction with rest of country = assimilation/acculturation issues
- **Population: Predominantly** white, Anglo-Saxon, Protestant with roots in Southern Colonies
  - Largest US white low-income area Politically/religiously conservative

# Early stereotyped: "Behind the times" and "unsophisticated

### **Divided States of Appalachia**

### ❖ West Virginia: only state totally within Appalachia

- Mountain people opposed secession from the Union - Plantation agric. was not part of mountain way of life
- In 1863 mountain part of Virginia became the State of West Virginia (see maps in Section 5 of Historical Atlas)
- ❖ The states that are partially in Appalachia have:
  - Their largest city, industrial center and/or state capital (centers of power) sited outside of the Appalachia region.
  - Thus the Appalachia areas within those states became marginalized by more prosperous/progressive sections.
    - Less access to education, media, economic incentives.
    - Less access to the state's tax base.
- ! SO isolation does NOT pay off (you are forgotten) especially if you avoid paying taxes (you are ignored).

# **Rural 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.
- > Different from the Agricultural Core.
- Coal mining/lumbering are still locally important.



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# COAL

### Allegheny Plateau Beds

 World's largest deposit (in volume) with seams up to 10 ft thick.

### **Rise of Coal Mining**

- New iron and <u>steel</u> furnaces (post-1870s) use **bituminous** coal.
- Sparked growth of Pittsburgh, PA and Birmingham, AL as "steel cities."
- Coal-powered generators created electricity for East Coast cities and the Industrial Core in early 1900s.



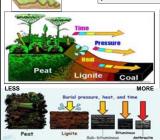


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Coal beds were created as tectonic movement compressed organic material in swamps under great heat and pressure.

Geologically, it happened quickly: little decomposition so a **high carbon content** is retained.





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# **Coal Definitions**

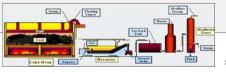
- Anthracite ("hard coal") is a metamorphic rock.
  - Highest grade of coal.
  - Burns the hottest.
  - Naturally clean and smokeless.
  - Became the preferred fuel in cities in the mid-1800s and was supplied from mines in NE Pennsylvania.
- <u>Bituminous coal</u> is softer, cheaper and more plentiful, but dirtier, than anthracite.
  - Powered railroad locomotives and stationary steam engines.
  - Used to make coke for furnaces (coking coal).
- Lignite (brown coal) and peat are the lowest grades
  - They are the "coolest" and "smokiest" burning of the carbon fuels.

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# **Coking Coal**



- Coke (coking coal) is created by processing bituminous coal with intense heat to drive off its volatile components.
  - Result is almost pure carbon and creates little ash.
  - Coke is used in blast furnaces to make steel.
  - It is usually manufactured on site.
  - Region's proximity to the industrial core is important because cheap bituminous coal was moved by rail from the coal fields to the steel mills.





# Mining Coal in Appalachia

machinery.

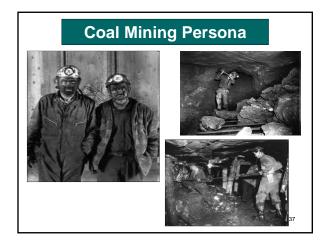
Early coal mining was very labor

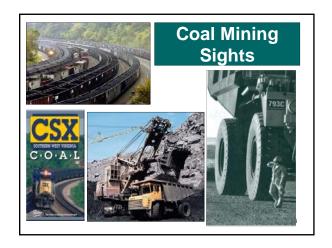
**intensive.** Provided steady source of income for local men with little education.

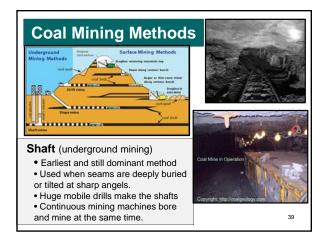
- Tunnels were dug by hand.
- Coal was mined by hand.
- Mine workers carried coal to mule-drawn carts or to the surface.
- Conveyor belts for use in coal mines were invented in the early 1900s.

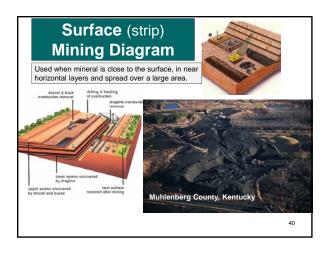
- Mechanization = fewer miners
   Unions protested the use of
- Strikes and concessions (high er salary in return for using machinery) hurt the miners more by eliminating jobs.



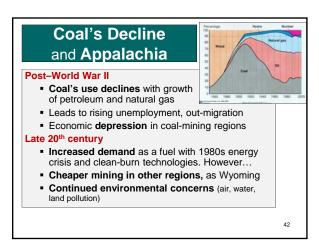


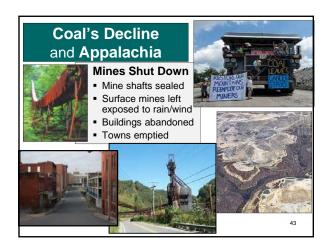




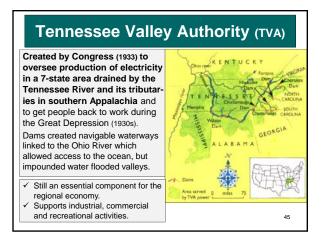


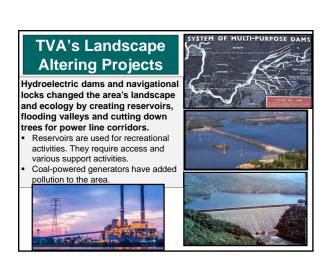












# Then "The South": Atlantic and Gulf Coastal Plains, The Piedmont, and Florida (in two parts)