

July 25, 2022, RAWSEP news paraphrased

## 1.The U.S. Midwest & the U.S. South

Arkansas

### EDITORIAL: Winter is coming - The Arkansas Democrat-Gazette

The Arkansas Democrat-Gazette

Meanwhile, like Arkansans after an ice storm, Germans are making runs on **wood-burning** stoves and electric and oil-powered heating systems, ...

RAWSEP View: RAWSEP thinks it is good that the Arkansas Democrat Gazette editorial stance is that wood burning represents a threat to civilization. RAWSEP thinks Arkansans should have back up natural gas generators, or should rely on batteries storing solar power energy, or should rely on geothermal heat pumps, for example, to use after an ice storm, rather than wood burning. RAWSEP wonders if it is helpful to say Putin is similar to a fictional television villain in The Game of Thrones (GOT). Would it be helpful to say a wood burning neighbor is similar to the Night King of GOT, or would it be more helpful to point out that the wood burning neighbor is a sentient human being who is subject to the same laws as others in his community, and as a sentient human being should care about the health impacts on others of burning wood? In Arkansas an editorial in the Arkansas Democrat-Gazette blames Putin of Russia for Germans turning to wood burning for heat, since Putin is threatening to cut off Russia's natural gas pipeline to Germany. German households could soon have their natural gas energy consumption cut by one fifth. Otherwise, it is thought Germany may have to shut down factories using natural gas. The article states "Meanwhile, like Arkansans after an ice storm, Germans are making runs on wood-burning stoves and electric and oil-powered heating systems., according to reports." The editorial concludes "The Night King of GOT infamy lived in the eternal cold beyond The Wall and represented a perpetual threat to civilization. As winter draws closer, Vladimir Vladimirovich seems to be taking on a distinct likeness to the character." The RAWSEP editor was unfamiliar with the Night King of GOT. The **Night King** is a fictional character appearing in the HBO high fantasy television series *Game of Thrones*, based on George R. R. Martin's novel series *A Song of Ice and Fire*. He is depicted as the leader and the first of the White Walkers, having existed since the age of the First Men, and is the most dangerous and powerful of his race. The Night King is an original creation of the television adaptation, thus far having no counterpart in the novels upon which the show is based.

## 2.The U.S. Northeast

## 3.The U.S. West Coast & South America

California & Nevada

### Fire **burning** near Yosemite expected to push smoke to Northern Nevada

Nevada Appeal

The Oak Fire is burning near the town of Midpines in Mariposa County, Calif. ... Using gas, propane or **wood-burning** stoves and furnaces.

RAWSEP View: The Oak Fire is burning near the town of Midpines, in Mariposa County, California, near Yosemite Park. The fire burning near Yosemite is expected to push smoke to northern Nevada.

## 4.Canada

Canada

### Reminder issued to be fire smart as heat in Okanagan continues - Global News

Global News

That includes campfires and outdoor **wood-burning** appliances, like fire pits. "This includes private property," noted the fire department. Read more: ...

RAWSEP View: In Canada, Kelowna, British Columbia reminds residents to be fire smart.

## 5. Australia

ILL WEBSITE URL REDACTED

RAWSEP View: The focus of the editor of the RAWSEP Residents Website and the RAWSEP Residents Podcast is that PM 2.5 (particulate matter of 2.5 micron size) Air pollution from Wood Burning is a health threat to near neighbors of residential wood burners. The facts in support of this health-related focus are First, that 90% of wood burning emissions are PM 2.5. Second, wood burning produces more particulates than coal burning. Third, the bridge fuel of Natural Gas is a temporary alternative to burning wood. Natural Gas can be referred to as the bridge fuel to the clean energy sources of wind and solar, since it emits thousands of times less particulates than wood burning. The objective of the RAWSEP Residents website and the RAWSEP Residents Podcast is to shut down residential wood burning, whether it is for home heating, cooking, or for recreation. RAWSEP Residents believes these shutdowns will save the health and lives of both near neighbors of residential wood burners and the wood burners themselves.

RAWSEP Residents does not view stopping Residential Wood Burning as being antithetical to supporting efforts to stop or slow Climate Change. RAWSEP Residents believes Climate Change is real, and is supportive of real solutions to this crisis, which has been dramatically demonstrated by news stories of the heat and wildfires emerging in the United Kingdom, Europe and North America just in the last month.

The author of "Burning Biomass Fuels Climate Stupidity" brings up facts in support of the focus of RAWSEP Residents Podcast, such as the fact that wind and solar are not the most readily available energy sources for home heating and cooking in the Third World at this time. Russian cutoff of natural gas to developed countries like Germany reportedly may have German citizens turning to wood burning this winter for heat, because solar and wind energy sources are not sufficiently developed yet.

RAWSEP Residents always uses the term "bridge" before mentioning Natural Gas as an energy source to be used instead of wood burning, until wind and solar energy sources are sufficiently developed in countries for those clean sources to be used universally for home heating and cooking.

However, RAWSEP Residents differs in some ways from the philosophy expressed by the Australia Spectator author of "Biomass Burning Fuels Climate Stupidity".

Unfortunately, the author of "Biomass Burning Fuels Climate Stupidity" uses pejorative terms for government action to curb climate change. RAWSEP Residents believes government action is the key to both shutting down residential wood burning and curbing Climate Change. If government takes benevolent steps that improve the health and lives of citizens and improves the future of our planet, RAWSEP Residents views this government action positively. RAWSEP Residents believes both fossil and biomass fuels should be phased out as quickly as possible. But natural gas is a cleaner bridge to a cleaner future without both fossil and biomass fuels. The distinction between solid-fuels and non-solid fuels is more important than distinguishing between fossil and biomass fuels, as far as particulate emissions are concerned. RAWSEP Residents cannot ignore Fossil Fuel pollution and Fossil Fuel Greenhouse Gas emissions that exist side-by-side with Particulate Pollutants in the Earth's atmosphere. But RAWSEP Residents must bring Particulate Emissions caused by Residential Wood Burning to the forefront of everyone's mind, along with Industrial Biomass Burning, in order succeed at the objective of shutting down Residential Wood Burning.

To be clear, RAWSEP Residents does not think concern about Climate Change is "hysteria" as the author of "Biomass Burning Fuels Climate Stupidity" does. RAWSEP Residents believes Climate Change is real. RAWSEP Residents does not believe that a "nanny state" curtailing Anything-Goes Pollution is a real problem in the real world. If ignoring Biomass Burning pollution is an orthodoxy, RAWSEP Residents believes that orthodoxy can be altered, and a new philosophy about what fighting Climate Change means can be expanded to INCLUDE the fact that Biomass Burning emits harmful pollutants.

RAWSEP Residents appreciates the article "Burning Biomass Fuels Climate Stupidity" citing and quoting from articles about the health effects of residential wood burning emissions on women and children in Third World Countries. The article quotes the author of a July 2022 Nature magazine article saying, **"Cooking with biomass results in more deaths than tuberculosis, malaria and HIV/AIDS combined."** But the article notes that in France the **"European Union's climate policy intends to devote one-fifth of cultivated land to bioenergy and to increase wood imports."** **That fact may no longer be true since in May 2022 the European Parliament voted to no longer call Biomass Burning "Carbon Neutral" and no longer provide subsidies to Biomass Burning with taxpayer dollars.** The conservative philosophies expressed in the article are disconcerting and do not reflect views of RAWSEP Residents. The "Burning Biomass Fuels Climate Stupidity" author also has created a recent website with a website image identical to the current RAWSEP Residents website image and identical to the predecessor RAWSEP website image used since 2007. This may be confusing to

visitors to these websites in the future. But the photo of a person walking down an avenue of trees in the countryside is available for public use.

<https://www.nytimes.com/2022/07/25/opinion/climate-change-conservatives.html>

RAWSEP Residents is heartened by an article in the New York Times “How to Talk About ‘Extreme Weather’ With Your Angry Uncle” In the article the author met with the chief scientist of the Nature Conservancy who works in Tennessee, in the United States, not Australia. The chief scientist likes to point out that more than 70 percent of Americans believe climate change is happening. The vast majority understand that climate change is harming the natural world and the human world. The writer of the article says “Regardless of how they vote, most people, even the most ideologically invested, don’t discount their own senses. They can feel the effects of this summer’s heat wave. They can see the lakes drying up and the trees dying. They can smell the smoke of wildfires. They may prefer a term like “extreme weather” over a term like “climate change,” but they understand what’s going on. You’d never know it from listening to red-state politicians or right-wing “news,” but only 14 percent of Americans are outright climate deniers.” But the chief climate scientist also said “a lot of the news outlets are doubling-, tripling-, quadrupling-down on fear-based messages because they think more fear is going to make more people pay attention. What they don’t realize is this: Most people are already worried. And if you’re already worried but you’re not activated, more fear is not going to activate you.”

## 6. New Zealand

## 7. U.K. & Ireland

## 8. Germany in the European Union, & Europe & Mideast

Arabic-speaking country

/صوت و منظر مريح لاشتعال النار والحطب ٣ ساعات متواصله/ Comfortable sound of fire and **wood burning**

YouTube

RAWSEP View: Wood burning is being marketed as having a comfortable sound to Arabic-speaking people, or by Arabic speaking people. The Google translate of this message is Sound and comfortable view of fire and firewood 3 hours continuous/comfortable sound of fire and d burning.

## 9. Nigeria in Africa

## 10. India in Asia & Pacific Islands

<https://www.tribuneindia.com/news/nation/government-no-proof-to-link-deaths-to-air-pollution-415099>

**Tribune News Service**

**New Delhi, July 23**

RAWSEP View: There is climate change denial, and apparently there is still pollution denial, even in Delhi, India. This article says, “Days after a significant study in The Lancet, a globally acclaimed medical journal, estimated 16.7 lakh deaths in India due to air pollution in 2019, the government said there was no data to link mortality with air pollution.” The India Minister of State for Environment said, “There is no conclusive data available to establish a direct correlation of death/disease exclusively with air pollution.” The Minister continued “Health is impacted by a number of factors which include food habits, occupational habits, socio-economic status, medical history, immunity, heredity, etc of the individuals apart from the environment.”

## 10.5 Technology & Research Papers

EBike with PM 2.5 sensor

Retro-Style Noordung E-Bike Cruises the Streets With a Boombox and Air Pollution Sensors

AutoEvolution

But the biggest innovation inside the Boombox is the **PM 2.5** and PM 10 particle sensor, which keeps track of air pollution and provides real-time ...

RAWSEP View: An EBike with air pollution sensors seems helpful, but this model is too expensive. The advertising says “There have been plenty of jaw-dropping bicycles on display at this year’s Eurobike event in Frankfurt, Germany, but one of the ones to really stick with you was the striking Noordung e-bike, a retro-looking two-wheeler with air pollution sensors. It has a 300 Wh battery, with up to 60 km (37 miles) a charge. Three hours for the battery to fully charge. Inside an audio Boombox is the PM 2.5 and PM 10 particle sensor, which keeps track of air pollution and provides real-time data on air quality via the Noordung mobile app. By using this feature, you can ensure you always ride the bike on the freshest routes. The Noordung electric bike is available to pre-order, price €6,990 (approximately \$7,100).”

## 11.The Future

In future these topics will be covered

### **Hyper-Localized PM 2.5 Monitors or Sensors**

#### **Naming and Rating the Hyper-Localized PM 2.5 Sensors**

Are they being used to help stop residential wood burners?

Why are some PM 2.5 sensors driven around in electric vehicles?

Are they being used widely in a municipality to detect residential wood burning?

Are they being used widely nationwide to detect residential wood burning?

Are they being used widely in a municipality to detect primarily wildfire smoke?

Are they being used widely nationwide to detect primarily wildfire smoke?

Are they being used in the United Kingdom?

Are they being used in Europe?

Are they being used in Africa?

Are they being used in Asia?

Are they being used Australia?

Are they being used in New Zealand?

Are they being used in Canada?

Are they being used in the United States?