

& AQI

USA TODAY is the nation's top-selling newspaper. It is published via satellite at 36 locations in the U.S. and 5 sites abroad. With a total average daily circulation of 2.3 million, USA TODAY is available worldwide.

The 3 most widely read pages of USA TODAY:



Neget the leight. Desire, trust other - with death or several throws is - got the awards (2D). ByWilliam 676 declares

Certification restricted difference day 7 days a seek at research adaption

USA TODAY Snapshots

Sending love through roses, plants





the charges

From saided

offices to trush

Lab founder, trainer indicted in doping case

Feds say 4 men supplied athletes with steroids, 'designer' drugs

A filter of the control of the contr

Stay two times and earn a free night.









We'll see you there.

choicehotels.com ROO ACMORDIS

www.usatoday.com

Jakob Dylan making music his life, 7E Likable 'Notice,' 6E; wild 'Thornberrys,' 11E You're invited to 'Providence' wedding, 13E

Weekend



Friday, December 20, 2002

The 13-track gospel, according to Aaron Neville

Relieve, Aaron Neville's second set of gospel tunes, should erase any doubts about the New Orleans steger's spiritual roots and angelic vocals. The 13-track album, due Jan, 28 on Tell It/EM Gospel, collects: beloved hymns

Coming attractions



Neville: Favors the DVD-Audio format.

from Neville's chilchood and church upbringing as well as three originals. The lytics for Story Me Right and Jesus, Jesus, from wore culled from Newtie's diary of poetry.

A same-titled companion DVD-Audio disc from Silverine Records, featuring interviews, performances and berrus track With God on Cur. and establishes Neville as the first artist to release two procedure albums in that format. His gospel debut, Devotion, was issued in DVD-Audio in early 2000.

petime was co-produced Barry Beckett, who colby Barry Beckett, who col-laborated with Bob Dylan on 1979's Christian-therned Slow Train Coming, Nevillo covers Dylan's Gotta Serie Scraebody and revises 1964's A Change At Comm Come, which Sam Cooke wrote in response to Dylan's Albusto, in the Wind. He also sacides two Bildiong Savorites, Amusing Croce and Art Munic (with a choir and orchestra), plus Oh Mappy Day, Witor a Friend We Have in Jesus and if I Hod a Homeur. Guests include the Darty Dozen Brass Band and two siblings from the long-numing Neville Brothers: keyboardist Art Neville and satophonist Charles Nevite

- Edna Candersen

Hanks hops aboard 'Polar Express'

Tom Hanks, whose Conth Mr & You Con opens Christmas Day, will stay in the holiday spirit longer than most of us, in February, he plans to start shooting an adaptation of Chris Van Allsburg's be-Royed children's book, The Falor Express, to be di-sected by Bob Zerneckis (Formsz Gump). The movie will tell the tale of a boy who discovers a train that

goes from his house to the North Pole.
But will Hanks, who famously previded the voice for Woody in the Toy Stary films, play Sarsa?
"It's hand to describe who's going to be who."
Hanks says carefully, calling the film "a nest-genera-

tion amalgam" of computer-generated images.
"We will provide the raw data for everything in
the computer, and then it will be manipulated by the computer," Harks says, "It's not like we're just giving them a voice and then they just draw our characters. We actually go in and do all the movements. They photograph us. We act it out with an much intensity as we can. Then it all goes into the computer and is regenerated and remodulated and all this other stuff. The goal: "A Christmas movie that is going to be

interesting to everybody, and that isoft about pop



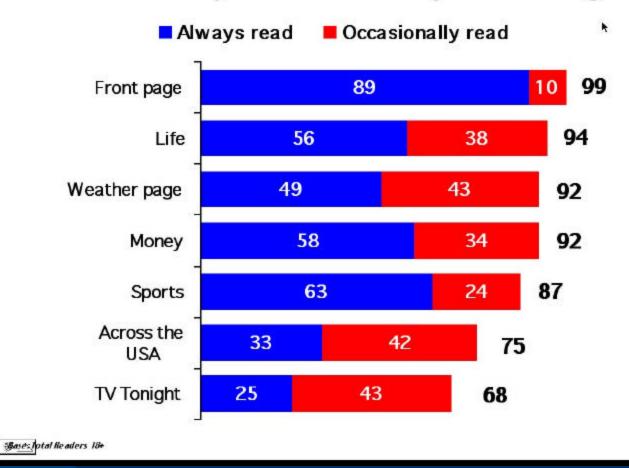


Year of the woman in film

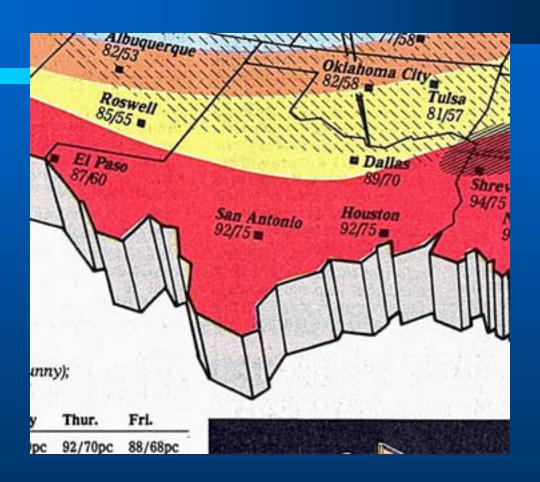


3.





AREA WEATHER CLOSE-UP										
MANY TO SERVICE THE PROPERTY OF THE PROPERTY O	STATE OF	CLOUGH CLOUGH CLOUGH COLON COL	CHARLES TO STATE OF THE PARTY O		STATE OF THE PARTY	STEAMY SELLIS S	CONTRACTOR			
MALES SUPPLY SUP	CATALOG AND	MATERIAL STATES	PRIME PAR MANY GLP- MINNE MINNESS OF THE MINNESS OF	Principal Co.	CAN'THAN CANCELLY CAN	BLANCE OF THE STREET	MARK BE HART DUTO DONE DONE DONE DONE DONE DONE DONE DON			

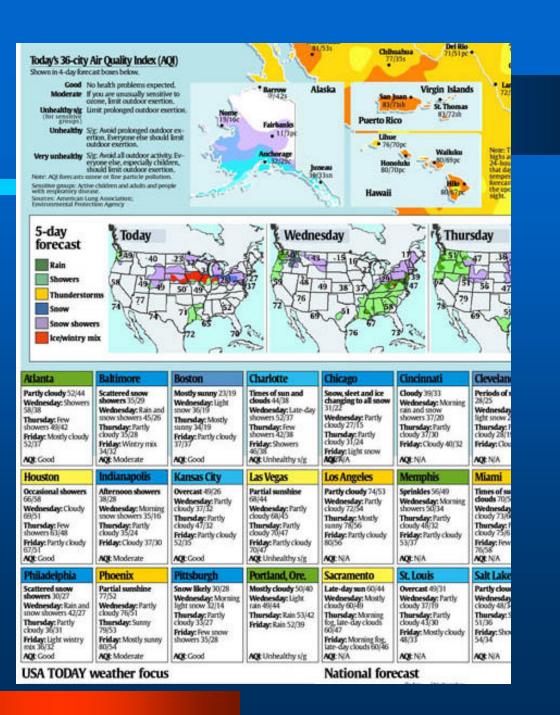












May 2000

EPA

&
American
Lung
Association

& USA Today

Launch AQI in USA Today

Atlanta	Baltimore	Boston	Charlotte	Chicago	Cincinnati	Cleveland	Columbus	Dallas-Ft. W.	Denver	Detroit	Honolulu
Merning clouds 51/29 Wednesday: Partly cloudy 55/41 Thursday: Showers 63/51 Pridge: Showers 61/34 AQI Good	Rain and freezing rain 39(27 Wednesday, Mostly sunty 42(25) Thursday, Cloudy 38(35) Pridge Shawers 44(28) AQI Moderate	Snow showers 39/36 Wednesday: Morning showers 49/36 Thursday: Partly douby/36/20 Priday: Wintry mix 33/26 AQI Moderate	Showers ending by midday 54(3) Wednesday: Sunny 54(34 Thursday: Light rain and sket 49(45 Priday: Showers 61/39 AQI Good	Morning stow showers 298 Wednesday Partly deanly 24/17 Thursday Snow sheavers 29/21 Priday Scattered flurnes 29/18 AQI Modesate	A few snow showers 37/24 Wednesday, Mostly douby 33/29 Thursday, Wintry mix 36/30 Priday: Mostly douby 37/24 AQI Moderate	Wintry mix changing to all snow 34/25 Wednesday: Okody 27/16 Chansday: Snow showers 28/19 Priday: Rain 31/23 AQI Moderate	Rain and snow showers 38/25 Wednesday: Mostly donely 30/24 Thursday: Snow showers 34/25 Priday: Cloudy 36/25 AQI Good	Partly cloudy 53/40 Wednesday: Rain 49/40 Thursday: Mostly cloudy 56/32 Priday: Morning clouds 43/27 AQI Good	Chance of late day snow showers 41[20 Wednesday: Snow 31[14] Thursday: A few snow showers 30[14] Priday: Mostly cloudy 24[10] AQI Moderate	Morning wintry mix 32/20 Wednesday: Partly dendy 28/15 Thursday: Snow showers 25/20 Priday: A few snow showers 29/21 AQI Good	Times of sun and clouds \$1,70 Wednesday: Partly deenly \$1,70 Thousday: Afternoon showers \$1,00 Priday Scattered thunderstoms \$1,68 AQI Good
Houston	Indianapolis	Kansas City	Las Vegas	Los Angeles	Memphis	Miami	Mpls,-St, Paul	Nashville	New Orleans	New York	Orlando
Times of sun and douds 60/48 Wednesdag: Showers 66/53 Thursdag: Showers 66/39 Pridag: Cloudy 56/34 AQI Good	Afew snow showers 34/17 Wednesday, Partly dough 29/24 Thursday, Wintry mix 34/27 Priday, Sostered Burries 34/20 AQI Moderate	A few clouds 28/22 Wednesday, Alternoon light snow 30/25 Thursday, Snow showers 28/19 Priday, Cloudy 24/11 AQI Moderate	Showers 51/37 Wednesday: Mostly sunny 54/35 Thursday: Mostly sunny 54/36 Friday: Mostly sunny 54/36 AQI Good	A few morning showers 58/46 Wednesday; Sunny 65/46 Thursday; Sunny 67/47 Priday; Sunny 65/48 AQI Good	Plenty of sun 44/29 Wednesday, Mostly chooly 48/39 Thurnday, Cloudy 53/38 Priday, Mestly cloudy 52/39 AQI Good	More son than clouds 81/90 Wednesday, Polostly sunity 78/95 Thursday, Partly cloudy 81/94 Priday, Partly cloudy 81/93 AQI Good	Rair 13(-9 Wednesday: Sunny 13(6) Thursday: A few snow showers 23/14 Priday: A few snow showers 25/11 AQI Good	Clouds giving way to sun in the afternoon 42/25 Wednesday: Mostly cloudy 46/38 Thursday: Shawers 56/38 Briday: Cloudy 49/29 AQI Good	More sun than clouds 59/43 Wednesday, Partly doubly 63/53 Thursday, Scritered thindersterms 71/53 Priday: A few showers 64/34 AQI Good	Wintry mix of precipitation 41/33 Wednesday: Mostly somey 4227 Thursday: Mostly deady 39/25 Priday: Showers 36/29 AQI Moderate	Mostly sunny 77/52 Wednesday, Partly dendy 73/59 Thursday: Mostly dendy \$1/58 Briday, Partly dendy 81/58 AQI Good
Philadelphia	Phoenix	Pittsburgh	Portland, Ore.	Sacramento	St. Louis	Salt Lake City	San Diego	San Francisco	Seattle	Tampa-St, Pete	Washington
Mix of rain and freezing rain 42/32 Wednesday, Hostly sunny 41/26 Thursday, Cloudy 38/27 Friday, Showers 38/28	Showers possible 56/42 Wednesday: Partly doudy 57/42 Thursday: Partly doudy 60/33 Priday: Sunny 63/40	Wintry mix changing to all snow 34/26 Wednesday: Mostly dough 25/18 Thursday: Snow showers 31/23 Priday: Showers 35/26	Chance of late-day showers 45/37 Wednesday: Showers 47/32 Thursday: Mostly doubt-45/35 Priday: Ught rain 46/33	Occasional showers 54(40) Wednesday: Partly cloudy 57(39) Thursday: bilostly sunny 57(42) Priday: A few showers 54(42)	Partly cloudy 32/18 Wednesday: Mostly cloudy 30/27 Thursday: A lew snow showers 34/26 Priday: Scattered flurries 33/19	Snow filedy 35/25 Wednesday: Snow shewers 33/22 Thursday: A few snow showers 32/16 Priday: Partly daudy 29/14	Cloudy with rain filtely in the morning 57/46 Wednesday, Mostly sunny 52/4 Thursday, Sunny 63/48 Priday, Sunny 63/48	A few showers 54/46 Wednesday: Partly cloudy 56/42 Thursday: Idently sunny 57/46 Priday: A few showers 55/47	Chance of late-day showers 47/39 Wednesday: Showers 48/31 Thursday: Mostly doubly 45/35 Priday: Light rain 45/37	Sunshine 74/52 Wednesday: Partly doudy 73/59 Thursday: Mostly doudy 79/59 Priday: Partly doudy 78/58	Mix of rain and freezing rain 39/28 Wednesday, Mostly sunny 43/26 Thursday, Cloudy 31/28 Friday, Showers 42/30
AQI Moderate	AQI Good	AQI Good	AQI Good	AQI Good	AQI Good	AQI Good	AQI Good	AQI Good	AQI Good	AQI Good	AQI Moderate

What it takes to make a graphic

Does the information have context and impact?

Can the information be visual?

Is it a step-by-step process?
A chart? A picture?

Can we give next-day information: The forecast



Calm conditions in the valleys of Utah's Wasatch Mountains are resulting in thick fog and poor air quality. Winds strong enough to clear the air aren't forecast until Thursday. **What's happening:**

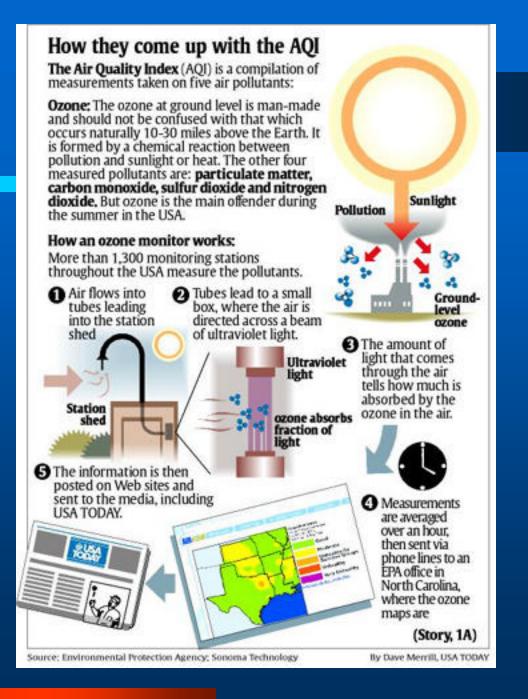
1 Warmer air aloft acts as a lid and holds cold air near the ground.

- 3 The winter sun, low in the sky, supplies less warmth to burn off the fog.
- Water vapor condensing into fog and pollution from wood fires and cars also are trapped.



Source: Research by Chris Vaccaro, USA TODAY

By Dave Merrill, USA TODAY



Worst pollution often occurs during summer

Record and near record heat is possible today in parts of the East and West coasts. While temperatures will be hot near the ground, it will be even warmer aloft. This will lead to unhealthy air quality, especially from Washington, D.C., to Portsmouth, N.H., and in western California.

Morning

A layer of hot air just above ground level acts like a lid, preventing surface air from rising

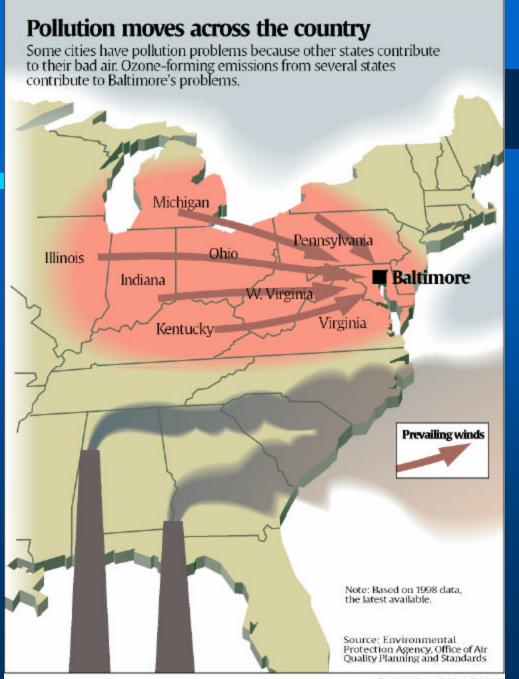
Afternoon

The day's pollutants from motor vehicle exhausts and factory emissions are trapped near the surface.



Sources: USA TODAY research; Environmental Protection Agency

By Julie Snider, USA TODAY



Miami's ozone problem is not as bad as it was

Miami has ozone violations, but not many compared with several other cities. During the 1980s, Miami frequently exceeded the government ozone standards. But in the 1990s, a vehicle inspection and maintenance program, emission standards, reduction of emissions at gasoline stations and low-volatility gasoline have helped the city make progress on its air quality.

What causes Miami's ozone problem?

1. Lots of sunshine and warm summer air heat the area.

2. A rapidly growing population of nearly 5 million and a heavy dependence on cars adds emissions to the air.

3. Daily wind patterns: Emissions from cars in the morning rush hour are carried over the ocean, where they react with sunlight to form ozone.

4. In the afternoon, sea breezes carry the ozone back over the city, increasing ozone levels.

Why Los Angeles is so polluted

Los Angeles is considered to have the worst air pollution in the nation, although it has made improvements. Its pollution problems are made worse by geography and weather.

Lots of sunshine all year converts raw pollutants — such as utility, industrial boilers and highway vehicle emissions — into ozone.

Air pollution is trapped by summer inversions, when warm desert air keeps cooler ocean air close to the ground.

San Fernando Valley

Los Angeles is in a basin or natural 'bowl.' Often, the three mountain ranges surrounding the city act as a wall and block pollution from being blown eastward.

Los Angeles

Long Beach Anaheim

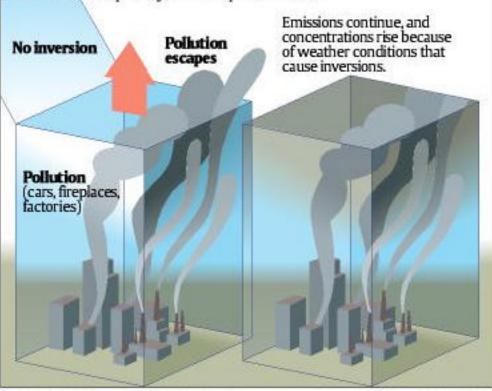
Pacific Ocean Santa Ana

Ocean breezes

Since the mid-1950s, Los Angeles' population and the number of cars and trucks there have more than tripled.

Winter inversion causes problems

Temperatures usually are lower with elevation. But when an inversion occurs, temperatures climb with elevantion and a warm "cap" prevents poor-quality air from escaping. This can occur even in winter, as it has in western Washington state this week. Stagnant air there has led to poor air quality in the afternoon and evening. If it continues, burning wood will be banned temporarily to reduce pollution levels.

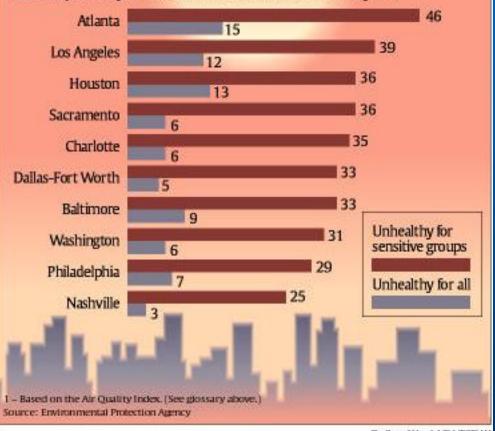


Source: Mike Cilroy, Puget Sound Clean Air Agency

By Sam Ward, USA TODAY

Ozone continues to affect air quality

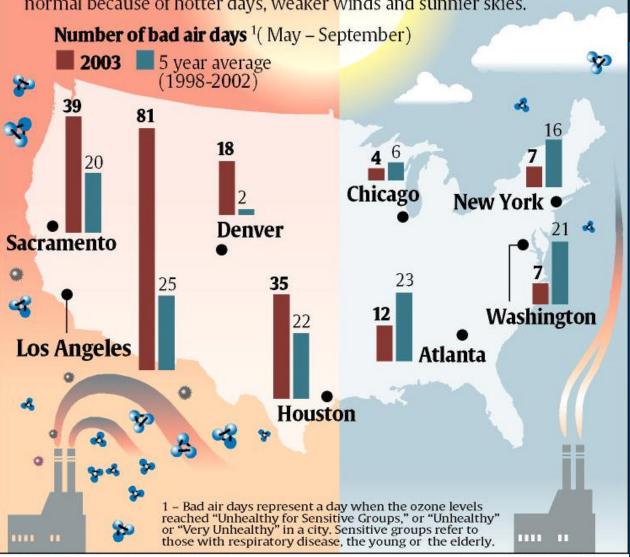
While summertime air quality has improved steadily over 20 years, ozone levels remain high in many areas. The average number of days with unhealthy air over the past five years for the cities with the most unhealthy air¹:



By Sam Ward, USA TODAY

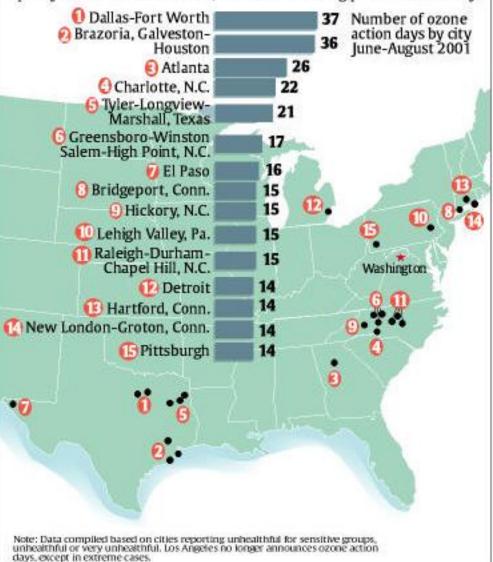
Weather's impact on air: East was cleaner

Air quality in the East was cleaner than normal because of cooler, cloudier weather that persisted into September. The West was smoggier than normal because of hotter days, weaker winds and sunnier skies.



Cities call for caution

More accurate forecasting led more cities to declare ozone action days this past summer, with several in Texas topping the list. Action days are advisories to people to use caution when outdoors because of poor air quality. In the summer months, ozone is the leading pollutant nationally.



News / Ideas:

Lynne Perri lperri@usatoday.com

Or
Dave Merrill
dmerrill@usatoday.com