

Storm Data and Unusual Weather Phenomena - November 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ALABAMA, Central

(AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (AL-Z043) ELMORE, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z047) LEE

11/01/10 00:00 CST	0	Drought
11/30/10 23:59 CST	0	

With near to slightly below normal rainfall during the month of November, ongoing drought conditions persisted across a portion of Central Alabama through the month of November. The hardest hit area remained in eastern Alabama, from eastern Elmore and northern Macon Counties, northward into Tallapoosa and Chambers Counties, where Extreme (D3) Drought conditions were identified by the U.S. Drought Monitor.

(AL-Z045) MACON, (AL-Z048) RUSSELL, (AL-Z049) PIKE, (AL-Z050) BARBOUR

11/23/10 06:00 CST	0	Drought
11/30/10 23:59 CST	0	

With near to slightly below normal rainfall during the month of November, ongoing Severe Drought (D2) conditions spread southeastward into the Tuskegee, Troy, and Eufaula areas by the end of the month.

WINSTON COUNTY --- DOUBLE SPGS [34.15, -87.40], 0.5 ENE MEEK [34.08, -87.21]

11/30/10 01:15 CST	5K	Thunderstorm Wind (EG 50 kt)
11/30/10 01:20 CST	0	Source: Public

Several large hardwood trees were blown down, from Double Springs to Arley.

LAMAR COUNTY --- 1.6 E FERNBANK [33.55, -88.10], 0.4 SW MILLPORT [33.57, -88.08]

11/30/10 01:41 CST	0.14M	Tornado (EF1, L: 1.37 mi , W: 150 yd)
11/30/10 01:43 CST	0	Source: NWS Storm Survey

The tornado touched down about 1 mile southwest of the city of Millport, where it uprooted several trees. From there, it moved northeastward and crossed AL-17 about a half mile west of Millport. On both sides of the highway, 50 to 70 trees were either snapped off or uprooted, and a few homes sustained shingle damage. Tree limbs were actually embedded into the roof of one home. In the same general area, a tractor trailer was overturned and a metal roof was blown off a garage building. In addition, Metal roof stripping was blown off a barn roof and was transported 100 yards downstream into the top of a 60 foot tree. The tornado lifted on the north side of Millport, near James Street, where a few more trees were snapped off and a barn was damaged.

LAMAR COUNTY --- 3.2 NNW MOLLOY [33.77, -88.22], 2.9 NNW MOLLOY [33.77, -88.21], 2.2 NNW MOLLOY [33.76, -88.21], 1.4 WSW MOLLOY [33.72, -88.22], 2.0 WSW MOLLOY [33.72, -88.23], 2.1 W MOLLOY [33.73, -88.24]

11/30/10 02:00 CST	50K	Flash Flood (due to Heavy Rain)
11/30/10 04:00 CST	0	Source: Emergency Manager

Several locations in western Lamar County became covered with water and temporarily impassable, including Old Calvert Road, Eason Branch Road, and Millie.

PERRY COUNTY --- 1.9 NNE SCOTT STATION [32.63, -87.42], 2.0 NNE SCOTT STATION [32.63, -87.42]

11/30/10 04:15 CST	25K	Tornado (EF1, L: 0.08 mi , W: 50 yd)
11/30/10 04:16 CST	0	Source: NWS Storm Survey

The tornado touched down briefly near CR-3, about a half mile south of CR-24. Several large pine trees were snapped off and several large hardwood trees were uprooted. The brick siding of one side of a home was heavily damaged, and a nearby storage shed was destroyed.

WALKER COUNTY --- 4.6 NE MARIGOLD [33.96, -87.21]

11/30/10 05:55 CST	3K	Thunderstorm Wind (EG 50 kt)
11/30/10 05:55 CST	0	Source: Amateur Radio

Several trees were blown down on Smith Lake Dam Road, blocking the roadway.

SUMTER COUNTY --- 1.8 W YORK MALLARD ARPT [32.50, -88.30]

11/30/10 05:57 CST	3K	Thunderstorm Wind (EG 50 kt)
11/30/10 05:57 CST	0	Source: Fire Department/Rescue

Trees and power lines were blown down in the city of York.

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TUSCALOOSA COUNTY --- 6.3 SSE SAMANTHA [33.33, -87.59]				
	11/30/10 06:08 CST		2K	Thunderstorm Wind (EG 50 kt)
	11/30/10 06:08 CST		0	Source: Amateur Radio
Trees were blown down on Lary Lake Road, near Lake Tuscaloosa.				
WALKER COUNTY --- 1.3 WSW CORDOVA [33.74, -87.20]				
	11/30/10 06:20 CST		0	Thunderstorm Wind (EG 52 kt)
	11/30/10 06:20 CST		0	Source: Trained Spotter
A car was blown off the road by winds estimated around 60 mph, at the Cordova exit on future Interstate 22.				
BLOUNT COUNTY --- 4.0 NW LIBERTY [34.16, -86.58], 3.4 NNW LIBERTY [34.16, -86.55]				
	11/30/10 07:09 CST		26K	Tornado (EF1, L: 1.72 mi , W: 150 yd)
	11/30/10 07:11 CST		0	Source: NWS Storm Survey
The tornado touched down about a mile south of US-278, just west of the intersection of Black Road and Hidden River Drive. Initial damage consisted of minor roof and gutter damage. From there, the tornado traveled eastward and crossed Black Road, where a metal car port had its roof pulled off. Another home had a portion of its roof removed and a large section of privacy fence was toppled. The tornado then traveled along CR-6 for about a mile, crossing CR-49. The most significant damage was near the intersection of County Roads 49 and 6, where several large hardwood trees were uprooted. The tornado lifted just east of Wilson Road, where a metal building suffered damage.				
BLOUNT COUNTY --- 1.2 ENE INLAND JCT [33.84, -86.55]				
	11/30/10 07:35 CST		0.50K	Thunderstorm Wind (EG 40 kt)
	11/30/10 07:35 CST		0	Source: Law Enforcement
A tree was blown down across Inland Dam Road.				
BLOUNT COUNTY --- 1.7 W HORTONS MILL [34.02, -86.48]				
	11/30/10 07:37 CST		5K	Thunderstorm Wind (EG 50 kt)
	11/30/10 07:37 CST		0	Source: Emergency Manager
A trees was blown down onto a mobile home, on Towns Road.				
PERRY COUNTY --- 1.4 WNW ZIMMERMAN [32.63, -87.40]				
	11/30/10 07:38 CST		6K	Thunderstorm Wind (EG 70 kt)
	11/30/10 07:38 CST		0	Source: NWS Storm Survey
Metal roofing was peeled off a porch awning and adjoining mobile home. Several large trees were snapped.				
BLOUNT COUNTY --- ONEONTA [33.95, -86.47]				
	11/30/10 07:40 CST		4K	Thunderstorm Wind (EG 50 kt)
	11/30/10 07:40 CST		0	Source: Emergency Manager
Several antennas were blown down on a radio station tower in Oneonta.				
SHELBY COUNTY --- 0.4 NE ARGYLE [33.33, -86.63]				
	11/30/10 08:25 CST		3K	Thunderstorm Wind (EG 50 kt)
	11/30/10 08:25 CST		0	Source: Emergency Manager
Trees and power lines were blown down near the intersection of Chelsea Road and Liberty Road.				
SHELBY COUNTY --- 5.5 SSW MOSTELLERS [33.02, -86.56]				
	11/30/10 08:53 CST		2K	Thunderstorm Wind (EG 50 kt)
	11/30/10 08:53 CST		0	Source: Emergency Manager
Trees were blown down near CR-47 and Waxahatchee Road.				
ETOWAH COUNTY --- 0.7 N GLENCOE [33.96, -85.93]				
	11/30/10 09:16 CST		3K	Thunderstorm Wind (EG 50 kt)
	11/30/10 09:16 CST		0	Source: Emergency Manager

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One large tree and several power lines were blown down near Cherry Lane, in Glencoe.				
TALLADEGA COUNTY --- 5.2 WSW TALLADEGA MUNI ARPT [33.53, -86.13]				
	11/30/10 09:28 CST		1K	Thunderstorm Wind (EG 50 kt)
	11/30/10 09:28 CST		0	Source: Emergency Manager
Winds blew cars off the road on AL-77, between I-20 and the city of Talladega.				
AUTAUGA COUNTY --- 0.8 E PRATTVILLE ARPT [32.43, -86.51], 1.3 SSE FAYS [32.46, -86.42]				
	11/30/10 09:57 CST		58K	Tornado (EF1, L: 5.80 mi , W: 150 yd)
	11/30/10 10:06 CST		0	Source: NWS Storm Survey
The tornado touched down near the Selma Highway and CR-29, just south of the Autauga County Airport, where a few trees were snapped off. From there it traveled northeastward, causing its most significant damage as it crossed US-82 near Steward Street. Numerous trees were uprooted, several homes sustained minor roof damage and a few metal buildings were damaged. The tornado then crossed US-31 near Prattville Middle School, where an awning was damaged and tossed at least 50 yards. Roof coverings and awnings were also damaged on several homes and businesses along Sheila Blvd. The tornado finally lifted just west of the Elmore County line in the Premiere Place Shopping Center, where a portable, free standing security tower was damaged.				
ELMORE COUNTY --- MILLBROOK [32.48, -86.37]				
	11/30/10 10:13 CST		4K	Thunderstorm Wind (EG 50 kt)
	11/30/10 10:13 CST		0	Source: Emergency Manager
Several trees were blown down on Edgewood Road and on Grandview Road, in Millbrook.				
CLAY COUNTY --- 1.5 SW HATCHETT [33.11, -86.07], 0.6 SE HATCHETT [33.13, -86.04]				
	11/30/10 10:14 CST		15K	Tornado (EF0, L: 1.67 mi , W: 40 yd)
	11/30/10 10:16 CST		0	Source: NWS Storm Survey
The tornado touched down about 4.5 miles east of Hollins, near the Brownsville Community, just south of Chapman Road on Brownsville Loop Road. Much of the damage path was very minor and consisted of tree limb damage. The most significant damage occurred along CR-7 just north of Partridge Creek Road. Several trees were either uprooted or snapped off in this area. One vehicle suffered moderate damage due to a fallen tree. The tornado lifted just after it crossed CR-7.				
CALHOUN COUNTY --- 0.9 NW WHITE PLAINS [33.76, -85.69]				
	11/30/10 10:18 CST		2K	Thunderstorm Wind (EG 50 kt)
	11/30/10 10:18 CST		0	Source: Emergency Manager
Trees were blown down on AL-9, southeast of Jacksonville.				
ELMORE COUNTY --- 3.4 N WETUMPKA [32.60, -86.23], 1.8 NNW SANTUCK [32.65, -86.14]				
	11/30/10 10:23 CST		35K	Tornado (EF0, L: 6.65 mi , W: 100 yd)
	11/30/10 10:31 CST		0	Source: NWS Storm Survey
The tornado touched down west of US 231, north of Wetumpka. Some homes suffered shingle damage along River Falls Road. The tornado moved northeastward and as it approached US Highway 231, a roof of a large hay barn collapsed. The tornado then crossed CR-209 near Fortner Road, where several trees were uprooted. The tornado finally lifted near the intersection of Balm Road and Mt Zion Road.				
CLEBURNE COUNTY --- 0.4 ESE HEFLIN [33.65, -85.57]				
	11/30/10 10:41 CST		4K	Thunderstorm Wind (EG 50 kt)
	11/30/10 10:41 CST		0	Source: Emergency Manager
Trees and a power pole were blown down along Bells Mill Road, near Cherokee County High School.				
CLEBURNE COUNTY --- 2.9 W HEFLIN [33.65, -85.63]				
	11/30/10 10:41 CST		3K	Thunderstorm Wind (EG 50 kt)
	11/30/10 10:41 CST		0	Source: Emergency Manager
Several trees were blown down near the intersection of US-78 and AL-281, west of Hefflin.				
ELMORE COUNTY --- 0.7 N ECLECTIC [32.64, -86.03]				

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	11/30/10 10:45 CST		5K	Thunderstorm Wind (EG 45 kt)
	11/30/10 10:45 CST		0	Source: Emergency Manager

A large tree limb was blown down and heavily damaged a vehicle.

A powerful late fall storm system, and associated cold frontal passage through Alabama, brought widespread thunderstorms to the state. Some of the storms in Central Alabama produced damaging winds and tornadoes.

ALABAMA, North

(AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN

11/01/10 00:00 CST	0	Drought
11/30/10 23:59 CST	0	

Severe drought (D2) conditions were reported in portions of Cullman, DeKalb, Jackson, and Marshall Counties.

DEKALB COUNTY --- 0.9 NW RIVER PARK [34.51, -85.63]

11/16/10 01:42 CST	2K	Thunderstorm Wind (EG 43 kt)
11/16/10 01:47 CST	0	Source: Emergency Manager

A tree was blown down onto Highway 117 near Mentone.

A quasi-linear convective system produced gusty winds during the late morning of the 16th. A heavy shower within the line knocked a large tree down onto a county road in DeKalb County near the town of Mentone.

(AL-Z010) DEKALB

11/16/10 09:11 CST	2K	Strong Wind (MAX 30 kt)
11/16/10 09:11 CST	0	

Gusty southerly flow atop Lookout Mountain knocked a tree down onto a county road in DeKalb County southwest of Fort Payne during the early morning hours of the 16th. A few showers and thunderstorms were in the area during this time, but it was difficult to correlate the wind damage directly with a shower or thunderstorm cell.

JACKSON COUNTY --- 1.1 S DUTTON [34.60, -85.93]

11/25/10 22:32 CST	50K	Thunderstorm Wind (EG 70 kt)
11/25/10 22:35 CST	0	Source: Broadcast Media

Thunderstorm winds demolished two barns at a farm on CR 18 near Highway 71 in Dutton. One of the metal barns which was mounted in concrete was torn up and lifted onto an adjacent farm building.

JACKSON COUNTY --- 1.0 SE DUTTON [34.61, -85.92]

11/25/10 22:35 CST	0.50K	Thunderstorm Wind (EG 65 kt)
11/25/10 22:37 CST	0	Source: Emergency Manager

Two trees were uprooted near the intersection of Highway 71 and CR 47 in Dutton. Time estimated by radar.

JACKSON COUNTY --- 1.3 SSE DUTTON [34.60, -85.92]

11/25/10 22:35 CST	3K	Thunderstorm Wind (EG 56 kt)
11/25/10 22:37 CST	0	Source: Broadcast Media

Multiple trees were knocked down, blocking the intersection of College Road and Main Street in Dutton. Time estimated by radar.

DEKALB COUNTY --- 0.7 SW IDER [34.71, -85.69]

11/25/10 23:49 CST	0.50K	Thunderstorm Wind (EG 43 kt)
11/25/10 23:51 CST	0	Source: Emergency Manager

A tree was knocked down along CR 141 near Ider. Time estimated by radar.

A quasi-linear convective system consisting of a broken line of low-topped showers with no lightning tracked southeast along a strong cold front. The temperature contrast on either side of the front was 25-35 degrees. Despite limited convective instability, strong low level wind shear provided a favorable environment for low level meso-cyclones to develop with the stronger cells, despite shallow

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<p>updrafts consisting of no lightning activity. One of the cells during the late evening developed a pronounced meso-cyclone which produced a narrow path of damage in the Dutton (Jackson County) and Ider (DeKalb County) areas.</p>				
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(AL-Z006) MADISON				
	11/29/10 22:25 CST		12K	Strong Wind (MAX 35 kt)
	11/30/10 02:10 CST		0	
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COLBERT COUNTY --- 22.9 S OLD BETHEL [34.25, -87.58]				
	11/30/10 01:15 CST		5K	Thunderstorm Wind (EG 43 kt)
	11/30/10 01:20 CST		0	Source: Broadcast Media
<p>Trees and power lines were knocked down.</p>				
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LAWRENCE COUNTY --- 0.4 W TOWN CREEK [34.68, -87.41]				
	11/30/10 01:18 CST		5K	Thunderstorm Wind (EG 52 kt)
	11/30/10 01:23 CST		0	Source: Newspaper
<p>Several trees were knocked down along College Street and Lemay Street in Town Creek resulting in downed telephone and cable lines. Time estimated by radar.</p>				
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LAWRENCE COUNTY --- 1.9 WNW COURTLAND AIRFIELD [34.68, -87.36]				
	11/30/10 01:28 CST		5K	Thunderstorm Wind (EG 52 kt)
	11/30/10 01:33 CST		0	Source: Newspaper
<p>Several trees were knocked down along County Road 585 near Alabama Highway 20. Time estimated by radar.</p>				
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MADISON COUNTY --- 1.1 E MADISON [34.70, -86.75]				
	11/30/10 02:45 CST		2K	Thunderstorm Wind (EG 43 kt)
	11/30/10 02:50 CST		0	Source: Emergency Manager
<p>Trees down on Gillespie Road.</p>				
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LAWRENCE COUNTY --- 1.6 ESE OAK GROVE [34.54, -87.42], 2.0 SE OAK GROVE [34.53, -87.42], 4.0 SE HATTON [34.53, -87.37], 3.7 SE HATTON [34.54, -87.37]				
	11/30/10 03:30 CST		0	Flash Flood (due to Heavy Rain)
	11/30/10 08:30 CST		0	Source: Emergency Manager
<p>Flash flooding was reported on County Road 161.</p>				
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LAWRENCE COUNTY --- 5.5 W SPEAKE [34.43, -87.17], 5.7 W SPEAKE [34.43, -87.17], 4.0 NE POOL [34.40, -87.18], 4.7 WSW SPEAKE [34.39, -87.14], 4.5 W SPEAKE [34.43, -87.15]				
	11/30/10 03:30 CST		0	Flash Flood (due to Heavy Rain)
	11/30/10 08:30 CST		0	Source: Emergency Manager
<p>Flash flooding was reported on County Road 203 in Speake.</p>				
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MORGAN COUNTY --- 0.6 ESE RUSSELL HILL [34.55, -86.99], 0.7 WNW CEDAR LAKE [34.55, -86.98], 0.7 SSW FAIRVIEW [34.57, -86.95], 1.8 NNW UNION [34.48, -86.74], 0.4 SSE EVA [34.32, -86.75], 0.1 WNW MASSEY [34.37, -87.02]				
	11/30/10 03:51 CST		0	Flash Flood (due to Heavy Rain)
	11/30/10 09:00 CST		0	Source: Emergency Manager
<p>Rainfall amounts of 2 to over 5 inches produced flash flooding of several roads. Many streets in the Hartselle and Decatur communities were flooded. Rainfall of 5.75 inches was measured in southwest Decatur. Some specific streets impacted in Decatur included Riverview Avenue SE, Poole Valley Road at Central Parkway SW, Ray Avenue SW, Bird Springs Road SW, Somerville Road SE at Magnolia and Corsbie Streets, Stratford Road at Country Club Road SE, Ben Poole Road at Crown Point Drive SE, Pennylane at Quince Drive SE, Cedar Lake Road at Central Parkway SW and Sandlin Road at Hay Drive SW. In the county, other roads included Gum Springs Road and Hobb Ward Road at Highway 36. Portions of highway 36 in the western portions of Hartselle and Forest Chapel Road were barricaded due to flash flooding.</p>				
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MADISON COUNTY --- 1.7 ESE HAZEL GREEN [34.92, -86.55], 1.8 WNW BLOUCHER FORD [34.88, -86.51], 1.6 NNW RYLAND [34.79, -86.50], 1.8 ESE HADEN [34.67, -86.49], 0.6 SSW MADISON [34.69, -86.77], 1.1 NW MADISON [34.71, -86.78], 3.4 E JEFF [34.81, -86.66]				
	11/30/10 05:32 CST		0	Flash Flood (due to Heavy Rain)
	11/30/10 08:15 CST		0	Source: Newspaper

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Rainfall amounts from 3 to over 5 inches produced flash flooding on numerous roads in the Moores Mill, Huntsville, and Madison communities. According to the Huntsville Times, parts of Hampton Cove, Redstone Arsenal, Harvest, Meridian Street, Bob Wallace Avenue and Triana Boulevard were under water. A boulder was dislodged from soggy Huntsville Mountain and rolled onto Cecil Ashburn Drive. Rainfall of 5.67 inches was reported along Aldridge Creek in Farley. A motorist was stranded due to high water on the 300 block of Naugher Road. Two vehicles were swamped in high water from an overflowing drainage ditch on First Street in Huntsville near Brahan Spring Park.

DEKALB COUNTY --- 0.9 SW ALLEN [34.49, -85.68], 1.0 SW ALLEN [34.49, -85.68], 1.0 N FISHER XRDS [34.48, -85.67], 1.0 N FISHER XRDS [34.48, -85.67]

	11/30/10 09:00 CST	0	Flash Flood (due to Heavy Rain)
	11/30/10 12:00 CST	0	Source: Emergency Manager

Intense rainfall of around 2 inches produced flash flooding and prompted the closure of 45th Street in Fort Payne. Time estimated by radar.

A long-lived mesoscale convective system that contained heavy rain and thunderstorms enveloped the region during the late evening and overnight hours. The initial wave of thunderstorms produced some isolated wind damage. Ahead of the line, gusty southeasterly winds caused isolated wind damage as well. 24 hour rainfall amounts from this system reached 3 to over 5 inches. A daily record rainfall of 3.93 inches was recorded in Huntsville. Runoff and flash flooding from the heavy rainfall began during the late evening on the 29th and lasted through the morning hours of the 30th. The runoff pushed several small creeks and streams out of their banks, flooding several roads, and submerging a few vehicles in the process. Hardest hit areas were in Morgan and Madison counties. Several county schools were delayed due to the high water and impassible roadways.

ALABAMA, Southeast

(AL-Z065) COFFEE, (AL-Z066) DALE, (AL-Z067) HENRY, (AL-Z068) GENEVA, (AL-Z069) HOUSTON

	11/01/10 00:00 EST	0	Drought
	11/30/10 23:59 EST	0	

The severe drought conditions (D2) which developed in mid September continued through all of November and into December. The extreme drought conditions (D3) which developed across Geneva and Houston counties on October 19th also continued through all of November and expanded into Coffee, Dale, and Henry counties on November 9th.

ALABAMA, Southwest

COVINGTON COUNTY --- RED LEVEL [31.40, -86.62]

	11/15/10 13:00 CST	10K	Thunderstorm Wind (EG 52 kt)
	11/15/10 13:02 CST	0	Source: Public

Winds estimated at 60 mph caused minor roof damage to a local cafe and damaged an advertising sign.

COVINGTON COUNTY --- 2.0 S ANDALUSIA [31.27, -86.48]

	11/15/10 14:15 CST	5K	Thunderstorm Wind (EG 52 kt)
	11/15/10 14:17 CST	0	Source: Public

Winds estimated at 60 mph downed trees blew over a trampoline south of Andalusia.

Thunderstorms produced wind damage across southwest Alabama.

(AL-Z064) LOWER BALDWIN

	11/30/10 12:07 CST	1K	High Wind (MAX 51 kt)
	11/30/10 12:15 CST	0	

High winds in the wake of a strong cold front downed tree limbs and branches in southwest Alabama.