

PRESIDENT'S MESSAGE

by Dave Knapp

The Annual Meeting of the NWA is an opportune time to gather face-to-face with committee members and review initiatives and plans for the future. At the 2006 Annual Meeting it was great to see Tim Oram and Terry Lankford of the Aviation Weather Committee providing outreach to the local aviation community. They organized an Aviation Weather Seminar for pilots wishing to improve their weather knowledge and decision making skills. The International Women's Air and Space Museum at Burke Lakefront Airport in Cleveland volunteered to host the seminar on Sunday, 15 October and we thank Connie Luhta for her great hospitality. Tim and Terry set up the superb agenda with Terry leading a discussion on Weather Theory for Pilots. Gary Stevens was there from the AOPA Safety Foundation speaking on Weather Decision Making. Frank Kieltyka from the NWS Forecast Office in Cleveland briefed on Local Weather Concerns and Judy VanZante from the nearby NASA Glenn Research Center, discussed In-flight and Ground Icing. Also in attendance were Kris Palcho, FAA Safety Team, who provided support and helped advertise the event, and Bill Comeaux, Meteorologist-in-Charge of the Cleveland NWS Forecast Office. Betsy Kling as local arrangements committee chair, helped immensely in organizing local support and logistics.

Another outreach initiative was carried on by the NWA Education Committee. Committee members Faith Borden, Paul Croft, Tony Lupo, Jeff Tongue and Eleanor Vallier-Talbot organized a Northern Ohio Teacher's Weather Summit on Sunday afternoon, 15 October, out at Kent State University. NWA members Frank Brody and Brian Hoeth assisted the committee along with Gary Garnet, the Warning Coordination Meteorologist from the NWS Forecast Office in Cleveland. Professors Tom Schmidlin and Scott Sheridan from the Department of Geography at Kent State University along with Vanessa Myers and other Kent State graduate students were the hosts for this activity. NWA member and WKYC-TV3 Cleveland Chief Weathercaster Mark Nolan was the keynote speaker. Teachers in grades K-12 took part in eight education sessions on weather topics pertinent to the students they teach. Teachers also received numerous handouts from

the NWA, NWS, The Weather Channel, and many other local and national companies collected by Betsy Kling. Please read more about this outreach initiative and view the presentations at NWA Web page: www.nwas.org/committees/ed_comm/summit/

The new Information Technology (IT) Committee headed up by Tim Oram with Steve Listemaa, Brad Herold, Mike Coyne and Lee Davis are working on upgrading the NWA Web site. They helped the Annual Meeting Program Committee setup a ftp site for presenters to load their briefing slides prior to the meeting. The IT committee is now working on gathering those presentations, formatting them and will soon have them available on the NWA Web site for all to view.

The Remote Sensing Committee with Ken Carey chairing, did outstanding work in organizing a terrific presentation session as a tribute to the late Rod Scofield. The committee followed up with a poster session and presentations on new Remote Sensing Applications and Technologies. Ken joined with Awards Committee Chair, Dan McCarthy to develop a DVD of photos and music and presented it at the awards luncheon to honor Rod Scofield and Jim Moore, past presidents of the NWA, who passed away in 2006.

Jeff Craven and Chris Buonanno co-chairs of the Weather Analysis and Forecasting Committee led committee members in reviewing student presentations and posters and the results of the competition will be announced in the next newsletter.

Rodger Brown and Alan Gerard as co-chairs of the Publications Committee led a productive committee meeting setting goals for the next year. Results are already showing on the NWA Web site with a redesign of the *Electronic Journal of Operational Meteorology* opening pages. Thanks to Marianne Sutton, Jon Zeitler, Jeff Craven and Steve Listemaa for their time and talents.

The Broadcast Meteorology Committee under the leadership of Mike Goldberg, with Seal Chair – Larry Rice, Recertification Chair and Workshop Program Chair – Bryan Karrick, and PR Chair – Betsy Kling, accomplished terrific work in planning and implementing the Broadcast Workshop, TAPE SWAP, and other activities to help broadcasters network and increase their education.

Of course, the Annual Meeting Program Committee members are probably glad that they just serve one year, but from the look on their faces you could tell they were

extremely happy with the very successful outcome of the 31st Annual Meeting. Theresa Rossi, Chair of the Program Committee accomplished outstanding planning and implementation along with her committee members: Bryan Karrick – Broadcast Workshop Chair; Betsy Kling – Chair of Local Arrangements, Golf, Scholarship Fund and Public Relations; Joseph Palko and Arthur Brown – AudioVisual experts; and program/activity arrangers – Robert Davis, William Comeaux, Richard Grumm, Josh Korotky, Bernard Meisner, and Paul Svoboda; Ken Carey – organizing Remote Sensing sessions and Dan McCarthy – organizing the Awards Luncheon program. **My sincere appreciation goes out to these members and no doubt other NWA members who helped on-the-spot to ensure a great Annual Meeting program.**

I'll have more to write about the annual meeting and NWA plans in the next newsletter, but again – to all NWA committee members, Council members and many others who help serve in recruiting members, sharing their studies at Annual Meetings and in NWA publications, and in many other tasks, I thank you and I know that all other NWA members thank you as well. The NWA could not succeed without active volunteers.

A very Happy Thanksgiving to all!

- Dave Knapp, president@nwas.org

MEMBER NEWS

Julie Adolphson has accepted the Meteorologist-in-Charge (MIC) position at the NWS Forecast Office, Kansas City/Pleasant Hill, MO. Julie has been the MIC at Glasgow, MT since 2001 and reported to the Pleasant Hill Office in early October.

Julie earned a BS in Meteorology and an MS in Space Physics from the University of Michigan before starting a career in the Air Force. In the Air Force, she rose to the rank of Captain and was Chief of the Space Physics Program at Scott Air Force Base. After leaving the Air Force, she became a Case Study Meteorologist with UCAR and COMET in Boulder, CO before becoming the Science and Operations Officer (SOO) at the Northern Indiana NWS Forecast Office in 1997.

Julie has been active in the evolving NWS Climate Program, leading her staff as a polygon warning demonstration site, and working to improve hydrologic services.

Michael Hudson is the new Chief Operations Officer of the NWS Central Region headquartered in Kansas City, MO. He reported to this new position on 1 October.

Mike previously held the position of Warning Coordination Meteorologist (WCM) at the NWS Kansas City/Pleasant Hill, MO office. After earning a B.S. degree in atmospheric science from the University of Kansas in 1993, he started his career with the NWS as an intern in Dubuque, IA. He later was a journeyman forecaster at the Pleasant Hill Office and a lead forecaster at the NWS

Forecast Office in Springfield, MO before becoming a WCM in 2001.

He is a May 2001 graduate of the NWS Senior Leadership Potential Program, and has been a member of several regional and national teams. Mike has also completed the Army Personnel Management for Executives course, and has served as a Resource Staff Member in several NOAA Leadership Academy Executive Leadership Seminars. He has led several partnerships with the emergency management community and other customer segments, including serving as a NOAA/NWS representative on several occasions.

Newton Skiles, Senior Forecaster at the National Weather Service's Warning and Forecast Office (WFO) in Little Rock, AR and a NWA charter member retired on September 2, 2006 after 32 ½ years of Federal Service.

Newton's interest in weather grew from a fear of severe storms as a child growing up in Nebraska. A graduate of Texas A & M University, he entered the Meteorologist Intern program at WFO Little Rock in 1974. He spent his entire career at the Little Rock office. As one of the early Disaster Preparedness Meteorologists in the NWS, a precursor to the present Warning and Coordination Meteorologist program, Newton was instrumental in setting up a statewide weather preparedness program with federal, state and local officials. He had been a Senior Forecaster since 1981 and had been very active in the NWS' aviation program over the past several years. Newton won numerous awards during his career including; Arkansas Federal Employee of the Year, Southern Region Director's Award, and the NWS National and Southern Region Aviation Services Awards. He spoke to countless groups and organizations on all facets of weather and weather preparedness, and participated in numerous severe storm surveys throughout his career. Newton volunteered for hurricane duty in the early part of his career, and was temporarily assigned to the Jackson, MS Forecast Office during Hurricane Frederic in 1979. This past year, he volunteered for hurricane duty again, and was temporarily assigned to the Mobile, AL Forecast Office after Hurricane Katrina. *Best wishes to Newton in all future endeavors!*

Welcome to new Corporate Members!

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NEW TRAINING INITIATIVE BY REMOTE SENSING COMMITTEE

The **Remote Sensing Committee of the NWA** is planning to write a series of training and education articles on remote sensing topics to keep members current on new technologies and how they might best be used in operational meteorology and related activities.

With the wealth of information on the Internet, it can be a daunting task to try and locate new products or simply learn about a particular sensor. This new training initiative will not only help achieve committee goals and mission, but should also help members sift through the wealth of Internet information to find the best information. Therefore, beginning next month, Remote Sensing Committee members will provide a column in the NWA Newsletter. The articles will enhance readers' awareness and use of current and emerging remote sensing information to improve weather, ocean, climate, and other operational environmental analysis and prediction systems and services.

Each article will highlight a particular sensor or product with a brief overview. At the end of the overview, a Web site (or Web sites) will be added so members can access information that is more detailed. **These overviews will also be posted and archived on the Remote Sensing Committee Web site at: www.nwas.org/committees/rs/rs.html.** The articles for the coming months are planned to include such topics as:

- Total precipitable water (precipitation forecasting)
- Road weather
- GOES total column ozone (mid-latitude cyclone circulations)
- Tropical cyclone imagery and products
- GPS MET water vapor retrieval network (forecasting uses and limitations)
- Fog/stratus detection (aviation forecasting)

These articles won't be as beneficial to you unless you help the authors. Therefore, the Remote Sensing Committee members would like to hear your thoughts on topics and sources of operationally-focused remote sensing materials that should be included as part of this on-going series. **Please contact Wayne MacKenzie at e-mail: wayne.mackenzie@nsstc.uah.edu with your comments, suggestions and contributions to this exciting new initiative.**

- Wayne MacKenzie, Remote Sensing Committee

◀ IN MEMORIAM ▶

Frederick Sanders (1923-2006) of Marblehead, Massachusetts died on 6 October 2006, at age 83. Fred was a professor of Meteorology at MIT until retirement in 1984, but continued to be an active member of the scientific community as a mentor, consultant and researcher. He was a fellow of the American Meteorological Society and the American Association for the Advancement of Science, and a charter member of the National Weather Association. Fred was an expert in the field of synoptic meteorology especially in the analysis, understanding and forecasting of fronts and cyclogenesis. In 1980, Fred and John Gyakum authored a paper defining the "bomb" in the *Monthly Weather Review* entitled, Synoptic-Dynamic Climatology of the "Bomb". In that paper they also defined the unit of deepening rate, a bergeron (equal to 1 mb drop per hour for 24 hours at 60 degrees latitude).

Fred was born in Detroit on May 17, 1923, and spent most of his childhood in Bloomfield Hills, Michigan. After attending Amherst College in Massachusetts, where he studied mathematics, economics and music, he enlisted in the Army Air Corps, which was recruiting math and physics students to be trained as weather forecasters. He spent 15 months at MIT studying math, physics and meteorology and graduated as a second lieutenant shortly after D-Day. He was assigned to Greenland as a weather officer. After World War II ended, Fred worked briefly as an air inspector at Headquarters Eighth Weather Group at Grenier Air Force Base in New Hampshire. In 1946, he decided to become a professional weather forecaster rather than join his family's candy manufacturing business. He spent two years as a transatlantic aviation forecaster for the U.S. Weather Bureau at La Guardia Field then returned to MIT, where he earned a Sc.D. degree in 1954. He then joined the faculty of MIT's Department of Meteorology, where he remained until his retirement in 1984. He was also an avid sailor and participated in many ocean races such as Newport-Bermuda, and made many voyages along the Atlantic coast north to Canada and as far south as Guatemala. An accomplished tenor, he sang with the MIT Choral Society and more recently with a choral group in Marblehead. He is survived by his wife Nancy, a brother Jack, a sister Nancy Chickering, his daughter Christopher, his sons John and Duncan, and five grandchildren.

LOCAL CHAPTER NEWS

The East Mississippi Chapter of the NWA and AMS has elected officers for 2006-2007. They are President Justin Stapleton, Vice President Heather Eschete, Secretary Lauren Raymer, Treasurer Nicholas Ferreri and Webmaster Michael Carter. Dr. Mike Brown is the chapter's faculty advisor.

The Chapter had a very productive past year as they hosted a picnic for 80 hurricane refugees at Mississippi State University, hosted the Fifth Southeast Severe Storms Symposium, provided approximately 20 school visits and educational talks to students in grades 4-12, and presented eight rural schools within their county new weather radios.

This year the Chapter is already involved in many activities. They are sponsoring "The NWA/AMS Lightning" youth football team, will continue with the weather radio drive for schools, are committed to helping their local humane society in some fund raising efforts, will host the Sixth Southeast Severe Storms Symposium, in February and are continuing to provide speakers to local elementary and secondary schools.

– Lauren Raymer, Secretary

The Central Alabama NWA Chapter met on 10 October at the studios of WAKA-TV (CBS) in Montgomery. President Mark Rose led a short business meeting. Chris Bailey, Chief Meteorologist at WAKA, gave a tour of the weather center and showed the magic behind TV weather during quiet weather periods and in the chaotic times of tornadoes and hurricanes.

– Geoffrey Healan, Secretary

The Central Iowa NWA Chapter met at the NWS office in Johnston, Iowa on 5 October. The results of the annual election showed: President: Rod Donavon, Vice President: Dave Flory; Treasurer: James Musal; Secretary: Justin Gehrts; and, Webmaster: Scott Lincoln. In preparation for the 11th Annual Severe Storms and Doppler Radar Conference, Rod included a list of conference teams and their chairs. Agenda team chair is Dr. Bill Gallus, Travel team chair is Brenda Brock. Pam Daale Scholarship team chair is Karl Jungbluth. Electronics team chair is Willard Sharp. Hotel and Promotions team chair is Rod Donavon, and Registration team chair is Justin Gehrts. Dr. Bill Gallus updated the group on possible invited speakers. Chris Maiers suggested we do a tape swap during storm chase video night. The thought is that this will attract more broadcasters, which in turn will lead to more vendors. This idea was well-received.

– Justin Gehrts, Secretary

The University of Missouri-Columbia NWA Chapter met in early September and discussed some events that would be occurring throughout the year. Guest speakers will include Adnan Akyuz from the Central Region Headquarters of the NWS and a forecaster from a private meteorological firm. Activities the club will be

participating in include fundraising at Mizzou football games, publishing a biannual alumni newsletter and producing a weather calendar with KMBC-TV, the NBC affiliate in Kansas City, MO.

– Colleen Heck, Secretary

The first meeting of the **Arkansas Chapter of the NWA** for the fall season was held on 19 September. The meeting convened at 7:15 PM at the National Weather Service office in North Little Rock with 10 members and guests present. Chapter President Chris Buonanno conducted a short business meeting. The program for the evening was presented by Chapter Member Damon Poole, a radio producer with Signal Media of Arkansas. The program was entitled "The Evolution of Commercial Radio Weather in Arkansas." Damon traced the history of commercial radio weather coverage in Arkansas. This included several famous severe weather outbreaks in the last 86 years in Arkansas and across the country, and the development and evolution of today's Emergency Alert System from its roots as CONELRAD in 1946. He also discussed modern day commercial radio weather operations in Little Rock. A question and answer session was conducted after the presentation.

– Newton Skiles, Corresponding Secretary

The High Plains NWA Chapter met during the lunch hour of the 10th High Plains Conference in Dodge City. Fifteen chapter members were present, as well as two visiting members from the Wichita NWA chapter. President David Floyd of Goodland announced the creation of the "Jim Johnson Memorial Scholarship". Jim recently retired and was primarily responsible for the creation of this chapter 12 years ago and the main organizer of the First High Plains Conference in Dodge City in 1996. \$500 was donated to the Chapter in Jim's name, to be used as a scholarship for a graduating high school senior planning to pursue a science degree. The chapter will administer this scholarship, seeking out graduating seniors in Kansas and Nebraska. Another \$500 was anonymously donated, to be used for the second year this scholarship is awarded. Chapter members voted to take this project on as an annual scholarship. Chapter dues will go to \$15.00/year next year, the first dues increase since our chapter's inception. We also discussed restructuring the prize money awarded at our annual conferences to winners of the student competition. At this meeting, we voted to award \$500 to our first place graduate student presenter at the current conference, and \$200 to the 2nd place finisher. We had previously voted to award \$500 to the graduate winner and \$500 to the undergraduate winner. Since we had no entries in the undergraduate competition, we modified the original plan.

– Tim Burke, Secretary

Web links to more information about these local NWA chapters and many others are located at Web site: www.nwas.org/chapters.html.

EL NIÑO RETURNS

Scientists at the NOAA Climate Prediction Center reported on 13 September that **El Niño conditions have developed in the tropical Pacific and are likely to continue into early 2007**. Ocean temperatures increased remarkably in the equatorial Pacific during the first two weeks of September. "Currently, weak El Niño conditions exist, but there is a potential for this event to strengthen into a moderate event by winter," said Vernon Kousky, NOAA's lead El Niño forecaster.

Some impacts from the developing El Niño are already evident in the pattern of tropical precipitation. During late August into mid September, drier-than-average conditions have been observed across all of Indonesia, Malaysia and most of the Philippines, which are usually the first areas to experience ENSO-related impacts. This dryness can be expected to continue, on average, for the remainder of 2006.

Also, the development of weak El Niño conditions helps explain why this Atlantic hurricane season has been less active than was previously expected. El Niño typically acts to suppress hurricane activity by increasing the vertical wind shear over the Caribbean Sea region. However, at this time the El Niño impacts on Atlantic hurricanes are small. "We are still in the peak months of the Atlantic hurricane season, and conditions remain generally conducive for hurricane formation," said Gerry Bell, NOAA's lead seasonal hurricane forecaster.

Typical El Niño effects are likely to develop over North America during the upcoming winter season. Those include warmer-than-average temperatures over western and central Canada, and over the western and northern United States. Wetter-than-average conditions are likely over portions of the U.S. Gulf Coast and Florida, while drier-than-average conditions can be expected in the Ohio Valley and the Pacific Northwest.

The term El Niño refers to the large-scale ocean-atmosphere climate phenomenon linked to a periodic warming in sea surface temperatures across the central and east-central equatorial Pacific (between approximately the date line and 120 degrees west). El Niño represents the warm phase of the El Niño/Southern Oscillation, or ENSO, cycle, and is sometimes referred to as a Pacific warm episode. El Niño originally referred to an annual warming of sea surface temperatures along the west coast of tropical South America. - NOAA

"Test the Waters"

Is a Web based program from the Flood Insurance Program.

Adjust the floodwater depth in a simulated home, and the program provides a dollar estimate of damage.

To "Test the Waters" go to
www.FloodSmart.gov

Record Breaking Wildland Fires

The National Interagency Fire Center (NIFC) records show that 82,599 wildland fires were reported nationwide from 1 January to 20 September 2006. These fires had burned 8,968,517 acres breaking the record for the number of acres burned in a year since records began in 1960. The year that held the previous record was 2005.

The following table from the NIFC compares the number of wildland fires and acres burned in 2000-2005, from 1 January to 20 September, as well as the corresponding 10-year average.

2005 (1/1/05 - 9/20/05)	Fires: 51,551	Acres: 8,117,148
2004 (1/1/04 - 9/20/04)	Fires: 59,443	Acres: 7,705,975
2003 (1/1/03 - 9/20/03)	Fires: 48,410	Acres: 3,129,878
2002 (1/1/02 - 9/20/02)	Fires: 66,474	Acres: 6,502,643
2001 (1/1/01 - 9/20/01)	Fires: 61,802	Acres: 3,049,172
2000 (1/1/00 - 9/20/00)	Fires: 78,895	Acres: 6,906,617
10-Year Average		
1996 - 2006	Fires: 62,618	Acres: 5,010,374

Ken Frederick, spokesperson for the NIFC, explained a few of the methods the NIFC uses to detect wildland fires. He said they monitor lightning data and then deploy observation flights to the lightning strike areas. A person trained in spotting fires accompanies the pilot and these two fly over forested areas looking for lightning caused fires. Lookout towers are still used in some areas and are beneficial for pinpointing fire locations. If more than one tower is located in the area, they can triangulate the location of the fire and quickly deploy fire-fighting resources using latitude and longitude data. Public calls to 911 are another source as operators forward reports to the regional coordination centers.

The NWS has 69 meteorologists certified as Incident Meteorologists (IMETs) and 14 more forecasters who will be certified by the end of the year. These IMETs deploy to actual wildland fire locations to provide meteorological support using the All Hazards Meteorological Response System.

As of 20 September, there had been 198 IMET deployments in 2006. On average, there are 103 deployments per year with the record number of deployments being 204 in 2000. NWA member Dennis Feltgen, a meteorologist in the NWS Public Affairs Office, said the NWS expects to break the record number of deployments in 2006 with 208 IMET deployments expected by the end of the year. To keep current on this subject, please view Web site www.nifc.gov/fireinfo/nfn.html - Editor

SIZZLING SUMMER STATISTICS

Summer 2006 was the second warmest June-to-August period in the continental U.S. since records began in 1895, according to scientists at the NOAA National Climatic Data Center in Asheville, N.C. Additionally, the 2006 January-to-August period was the warmest on record for the continental U.S. Above-average rainfall last month in the central and southwestern U.S. improved drought conditions in some areas, but moderate-to-extreme drought continued to affect 40 percent of the country

The average June-August 2006 temperature for the contiguous United States (based on preliminary data) was 2.4 degrees F (1.3 degrees C) above the 20th century average of 72.1 degrees F (22.3 degrees C). This was the second warmest summer on record, slightly cooler than the record of 74.7 degrees F set in 1936 during the Dust Bowl era. This summer's average was 74.5 degrees F. Eight of the past ten summers have been warmer than the U.S. average for the same period.

The persistence of the anomalous warmth in 2006 made this January-August period the warmest on record for the continental U.S., eclipsing the previous record of 1934

A blistering heat wave in July impacted most of the nation, breaking more than 2,300 daily records and more than 50 all-time high temperature records. Additional high temperature records were broken during the first part of August.

The Residential Energy Demand Temperature Index (REDTI) ranked this summer as the sixth highest index in the 112-year record. Using this index, NOAA scientists determined that the nation's residential energy demand was approximately 10 percent higher than what would have occurred under average climate conditions for the season.

August 2006 was the 11th warmest August on record in the contiguous U.S.

The summer's record and near-record heat, combined with below-average precipitation, worsened drought conditions throughout much of the summer for large parts of the country. But above-average rainfall in August helped ease drought conditions in some of the most severely affected states.

An active monsoon season in the Southwest gave New Mexico its wettest August on record, and precipitation in Arizona also was above average. Drought relief extended to New Mexico, parts of Arizona and west Texas. However, the heavy downpours brought flooding across parts of the entire region.

The Plains states, the Midwest, the Carolinas and parts of the Northeast benefited from above-average precipitation in August. This helped reduce drought severity in other areas such as the Dakotas and parts of Oklahoma but was not sufficient to end drought in the most severely affected parts of those states.

Drought conditions worsened in some parts of the country. Rainfall in August was below normal from Montana to southern California and the Pacific Northwest. This contributed to a continuing and already-active wildfire season.

Images associated with this report are located at www.noaanews.noaa.gov/stories2006/s2700.htm.

- NOAA

WEATHER DISASTER IMPACTS are overwhelming in LEAST DEVELOPED COUNTRIES

The World Meteorological Organization (WMO) issued this news report on 14 September 2006.

The Secretary-General of WMO, Mr. Michel Jarraud, has warned that failure to invest adequately in the National Meteorological and Hydrological Services of Least Developed Countries (LDCs) would undermine their efforts to reduce vulnerability to climate risks such as tropical cyclones, floods and drought and their fight against poverty.

Weather-, climate- and water-related disasters can wipe out up to 15% of an LDC's Gross Domestic Product and overwhelm economies, but every dollar invested in NMHSs (National Meteorological and Hydrological Services) brings, on average, a 10-fold return.

The Secretary-General made a keynote presentation at United Nations Headquarters in New York on Wednesday (13 September) at the Special Event on Weather, Climate and Water Services for Development and Disaster Mitigation in LDCs.

At the 13 September 2006 Special Event mentioned above, a presentation by WMO Natural Disaster Prevention and Mitigation Programme Chief, Maryam Golnaraghi, Ph.D., showed some very sobering data. It indicated that "Nearly 98% of loss of life in LDCs is related to hydro-meteorological factors." In addition, in the LDCs, hydro-meteorological factors caused almost 88% of the economic losses. Another presenter stated that "In Aceh, Indonesia, the 2004 Tsunami is estimated to have increased the proportion of people living below the poverty level from 30% to 50%." The briefing slides of presentations from this Special Event are available on Web site: www.wmo.int/news/LDC_NY_2006/.

On 19 September 2006, the WMO reported that recent flooding in Africa was taking a huge toll. Floods destroyed the homes and livelihoods of 32,000 people in Niger and 90,000 people had been affected by floodwaters in Sudan. To read more WMO news items, go to Web site: www.wmo.ch/news/news.html.

Professional Development Opportunities

- **The 45th Aerospace Sciences Meeting, sponsored by the American Institute of Aeronautics and Astronautics, will be held 8–11 January 2007 in Reno, Nevada.** Topics include: Aircraft Icing; Aircraft Wake Vortex Technology; Atmospheric Dynamics; Aviation Weather Accident Prevention; Criteria for Meteorological Applications to Aerospace Operations; Satellite and Ground Based Measurement Systems; Environment Standards; Meteoroid and Debris Environment; Space Environment; On-Orbit Spacecraft–Environmental Interactions; and Other areas of atmospheric environment pertinent to aircraft and aerospace vehicle applications are also welcome. For more information, please view the AIAA Web site at: www.aiaa.org.
- **The 87th AMS Annual Meeting will be held 14-18 January 2007 at the H. B. Gonzalez Convention Center in San Antonio, Texas.** Meeting information is located at Web site: www.ametsoc.org/meet/annual/index.html.
- **The Sixth Annual Southeast Severe Storms Symposium will be held 23-25 February 2007 at the newly completed Palmiero Center on the campus of Mississippi State University.** The Symposium is sponsored by the East Mississippi Chapter of the NWA and AMS. **Abstracts should show a strong operational content to the proposed presentation and be submitted in Word or .pdf format by 15 January 2007** to Dr. Michael Brown via e-mail: mike.brown@msstate.edu. For more information, please see the chapter Web site: www.msstate.edu/org/nwa/index.shtml.
- **The 2007 Annual National Severe Weather Workshop will be held 1-3 March 2007 in Norman, Oklahoma.** The event is sponsored by the National Weather Service, the [Central Oklahoma AMS/NWA Chapter](#), and the Oklahoma Emergency Managers Association. Severe weather experts from across the nation will present the latest techniques for severe weather preparedness and response. Speakers will include broadcast meteorologists, emergency managers, forecasters and researchers from NWS offices, the NOAA Weather Partners in Norman, including the Storm Prediction Center, NWS Norman Forecast Office, National Severe Storms Laboratory, Radar Operations Center and Warning Decision Training Branch, and the University of Oklahoma. Come experience “The Scenario” where forecasters, media and emergency managers swap places to experience a severe weather episode. The workshop will be held at the National Center for Employee Development Marriott Conference Center in Norman, OK. Sponsor and vendor opportunities are available for business to promote their products or services during the event. For more information, call 405-325-2040 or visit the Web site www.norman.noaa.gov/nsww2007/. Registration will be available after 15 December 2006.
- **The Annual Pacific Northwest Weather Workshop will be held 2-3 March 2007 at the NOAA Western Regional Center campus at Sand Point in Seattle, Washington.** This is sponsored by NOAA's National Weather Service, the University of Washington, and the Puget Sound AMS Chapter. It will cover recent developments in weather forecasting and observational technologies, major weather events of the past year, and topics dealing with Western U.S. meteorology. The 2007 meeting will be open to all topics dealing with Northwest weather and

climate. Registration will be \$30 for regular attendees (\$15 for students) and will include lunches, afternoon and morning refreshments, and a pre-print volume. A Friday evening banquet (for an additional charge) is being planned. Pre-registration is requested for all attendees on-line when Web site: www.atmos.washington.edu/~cliff/PNW2007.html is set up. Please submit abstracts for oral presentations and posters in text, Word or WordPerfect format - no PDF please. **Abstracts must be received by 15 January 2007.** Please include the title, author's name and contact information. Poster presentations are welcome and will be displayed throughout the meeting and during a special poster session. Please send abstracts to Cliff Mass, at e-mail: cliff@atmos.washington.edu. For more information contact: Brad Colman or Kirby Cook, NWS Forecast Office, 7600 Sand Point Way NE, Seattle, WA 98115 (206.526.6095x224/222, brad.colman@noaa.gov or Kirby.Cook@noaa.gov), or Clifford Mass, Dept of Atmospheric Sciences, Box 351640, University of Washington, Seattle WA 98195 (206.685.0190, cliff@atmos.washington.edu).

- **The 32nd Annual Northeastern Storm Conference will be held 9-11 March 2007 at the Springfield Marriott in Springfield, Massachusetts.** It is sponsored by the Lyndon State College Student Chapter of the AMS and NWA. **Abstracts and poster descriptions are due by 12 January 2007** to ams@apollo.lsc.vsc.edu. **The registration deadline for the conference is 16 February 2007.** For more information, monitor the Web site: apollo.lsc.vsc.edu/ams/index.html or contact Ryan J. Low, the Chapter President, at e-mail Ryan.Low@lyndonstate.edu or fax (802) 626-9770.
- **The 2007 National Storm Conference sponsored by the Texas Severe Storms Association (TESSA) will be held on 10 March 2007 in Colleyville, Texas.** Information about this upcoming conference will be posted on the TESSA Web site at www.tessa.org.
- **The 11th Annual Severe Storms and Doppler Radar Conference sponsored by the Central Iowa Chapter of the NWA will be held 22-24 March 2007.** The Chapter Web site is at: www.iowa-nwa.com for more information.
- **The Fifth Annual Great Lakes Meteorology Conference will take place on 31 March 2007 at The Legacy Banquet Hall in Valparaiso, Indiana.** The Conference is sponsored by the Northwest Indiana NWA Chapter. Monitor Web site www.valpo.edu/organization/nwa/index.html for information.
- **The AMS 22nd Conference on Weather Analysis and Forecasting and 18th Conference on Numerical Weather Prediction, will be held 25–29 June 2007 in Park City, Utah.** Abstracts are due by 26 February 2007. See the AMS Web site at: www.ametsoc.org for further information.
- **The 32nd NWA Annual Meeting will be held in Reno, Nevada, 13-18 October 2007.** Abstracts will be due by 1 June 2007. Monitor the NWA Web site at www.nwas.org for further information. Members interested in volunteering for the Program Committee, please e-mail: natweaasoc@aol.com.

Please send in Member News, Meeting News and summaries of technical studies to share via e-mail to: nwanewsletter@nwas.org

WEATHER HISTORY – OCT '95

The following was obtained from the NOAA/National Climatic Data Center Storm Events database. Dates: 0900 EST 5 October to 0600 EST 6 October 1995. Dollar damage: \$200K.

“The remnants of Hurricane Opal passed over the eastern end of Lake Erie Thursday night (5th/6th). Sustained northeast winds ahead of the storm reached 45 knots all across the lake with gusts to 60 knots producing waves of 10 to 14 feet. Water levels on the western basin rose three to four feet above the recent average. Minor to moderate beach and shore erosion occurred in many areas, especially the western end of the lake. Localized flooding occurred in communities with low lying areas along the lake. Several boat docks were damaged and several boats in dock were unknown. As the storm moved northeast Thursday night and winds switched to southwest the water levels in the western basin fell to three to four feet below recent averages and several boats were grounded.”
Luckily the NWA Annual Meeting of October 2007 held near Lake Erie enjoyed much better weather conditions.

Speaking of History --

In 2007, the National Oceanic and Atmospheric Administration (NOAA) will celebrate 200 years of science and service to the nation. Starting with the establishment of the U.S. Coast and Geodetic Survey in 1807 by Thomas Jefferson much of America's scientific heritage is rooted in NOAA.

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Submit newsletter items directly to: Editor NWA Newsletter, at e-mail: nwanewsletter@nwas.org or to the NWA office. Material received by the 5th will be considered for that month's issue. If submissions are not received, the Newsletter may be delayed.

Members receive the monthly NWA Newsletter and *National Weather Digest* as part of their regular, student or corporate membership privileges. Newsletter subscriptions are available at \$18.00 per year plus extra shipping costs outside USA. Single copies are \$1.50.

Contact the NWA Executive Director's office (listed above) with **address changes** by phone, regular mail or e-mail.

IMPORTANT DATES AND EVENTS

1 December 2006 – Deadline to preregister for the AMS Annual Meeting at reduced rates.

o/a 1 December 2006 – NWA individual members will receive annual dues renewal invoices in the mail along with ballots for election of Council members. Members can renew via mail with check or money order or online (www.nwas.org) with credit card. The online form also has a ballot to complete.

31 December 2006 – Deadline to return ballots for NWA election of Council members for 2007.

Please see page 7 for additional dates

Also check NWA Web site: www.nwas.org

NATIONAL WEATHER ASSOCIATION

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