

FEEDBACK

VOLUME 51 ISSUE 10

OCTOBER 2006

MASSILLON AMATEUR
RADIO CLUB OFFICERS

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K8INN

VICE PRESIDENT
Ralph Bugg
K8HSQ

SECRETARY
Linda Finley
K8MOO

TREASURER
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- SHORT SKIP -

BPL is a growing pain in the rear. Our ARRL is at the forefront in this battle and certainly deserves our support. However, if the BPL kids interfere in any way with our FAA's inflight transatlantic HF communications guess who wins the war ! (HI) Just give a listen some evening to 5.598 MHz USB, you'll soon get the B-I-G picture.

Good listening

73 de WB80WM

OCTOBER MEETING

The meeting for the month of October will be held at the Massillon Senior Center in downtown Massillon on October 6th 2006 at 8:00 PM.

This is of course the month which we make the final plans for the Hamfest 2006. We need to "tweak" the previous plans and make sure there is enough help to make this the best Hamfest Ever ! Some changes have been made from last year, especially in the Security Department and we hope they will work out well.

On Saturday October 28th we will begin to set up the tables, chairs and route the electric extension cords to the various tables. This means of course that we will need all the help we can get as this is no easy task. As in the past we will meet at the site at 9:00 AM; with enough help we can be done by 11 AM or 12:00 PM, depending on the help we get. Things went fairly well last year with the set up and we hope for a "repeat" this year.

Directions to the site will also be in the capable hands of our Check - in frequency operators. Check in frequencies will be the 147.18 MHz repeater and also the 442.850 MHz repeater.

Because of the extended discussion concerning this year's Hamfest, there will not be a program this month. Plan on attending the meeting and be sure to volunteer to help make the Hamfest a success!

What's this ship got to do with the Hamfest? Well.... actually nothing but you might want to check out the great article on page 4 !



MARC MINUTES

September 1, 2006

The Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 20 members and guests present.

MARC President Igor K8INN opened the meeting at 8:00 P.M. The Pledge of Allegiance was given and a round of introductions was made.

The August minutes were accepted by Byron KF8UN and second by Steve KD8ACF as stated in the FEEDBACK. MARC Treasurer Anne N8GAF was absent so Perry W8AU gave the financial report.

MARC Vice President Ralph K8HSQ was absent so Igor K8INN gave the correspondence report. He had newsletters from other Amateur Radio Clubs. He also gave Hamfest dates for other Amateur Radio Clubs.

OLD BUSINESS and COMMITTEES REPORTS

Dan N8DZM said there would be no fox hunt again this month. Will resume in October.

Gary WC8W gave the results of the VE session. Congratulations goes to the 8 that passed their exams. He thanked all the VE people that helped, even the 2 newest VE Steve KD8ACF and Joe WD8BGW.

Dan N8DZM gave an update on the grants he has been working on.

Michele KC8ZEJ was absent so Matt K8MAT said she will be needing help with the Friday night information net. If you can help please contact her.

The Akron Marathon will be on Saturday September 30th, if you can help contact Terry N8ATZ.

The antenna for the MARC Shack needs repair, volunteers said they would try to have it fixed before it gets cold outside.

Byron KF8UN said a World Wide RTTY contest will be at the end of the month. He will be up in the shack, everyone is invited to join him.

NEW BUSINESS

MARC Hamfest was discussed. Dan N8DZM said the flyers and tickets have been ordered. Prizes, check-ins, and security was also discussed. Get more information at the October meeting.

There was no program this month.

Welcome MARC newest member Alan Savage N8MYE.

Congratulations goes to Wade WD8MIU for winning the 50-50 for \$9.50.

Minutes by Linda K8MOO
Secretary MARC

... October is Hamfest Month ...

October is Hamfest month at the MARC and again this year we are going to need everyone's help to make it a successful event. This year's participation at Field Day was better than ever, I'd like to see this at this year's hamfest as well. Lots of jobs that need done including ticket sales, club table, mobile check in, security at the doors, auction, VEC Exams and general helpers for everything else that needs done that day. Dan and I take care of tables but we could always use an extra helper with this as well.

Speaking of table sales, as I write this (mid September), sales are beginning to pickup. So far about 25 tables are reserved not including the club members who usually setup. Make sure you let me know if you still want a table.

Lots of hamfest flyers have been distributed, nearly 500 to date and the October issue of all the major ham magazines will have us listed. I hope we will have ARRL representation but it's too early to know for sure, Great Lakes Division Director Jim Weaver – K8JE is still mending from a recent illness.

Remember that Hamfest Setup will again be on Saturday, October 28th at about 9:00 AM with Hamfest Sunday on October 29th. See you there !

.. Ohio Section Conference ..

The ARRL Ohio Section Conference was held on Saturday, September 16th at the Ohio EMA located in Northern Columbus with nearly 70 people attending. Vice-President Ralph Bugg and I attended this year's meeting and gave a short report on our club activities including the upcoming hamfest.

The conference gives the ARRL Ohio Section Leadership the opportunity to report on their activities on behalf of Amateur Radio. This year's Conference included reports by Section Manager Joe Phillips – K8QOE, new Section Emergency Coordinator Frank Piper – KI8GW, Vice-Director Gary Johnston – KI4LA, Official Observer Coordinator Rick Swain, and Vice-Director Connie Hamilton – N8IO who was honored as the recipient of the 13th Allan Severson, AB8P Memorial Award. The award recognizes a lifetime of service to the Ohio Section.

Lots of news was presented, too much for this limited space but we will have a report at the club meeting. You can read the recap of this year's meeting on the Ohio Section Meeting website at www.iarc.ws Click on the story titled "A

Day in Review at the Ohio Section Conference". The recap also includes pictures of the meeting.

One of the big events of the conference is the announcement of the annual Newsletter Contest Winners. The first place winner this year was the Buckeye Burr, newsletter of the Buckeye Bells association. Second place went to "CQ" from the Mt Vernon ARC with third place to "Q-Match" from the Warren ARA. Our own Feedback scored very well. Out of a possible 85 points we scored 78 putting in 24th place in the state. Not too bad, I think !.

.. ARES Report From the Conference ..

Among the usual ARRL Section news was a report by Ohio Section Emergency Coordinator Frank Piper - KI8GW. Administrative ARES business included the introduction of three new District Emergency Coordinators (DEC's) and several new EC's were appointed. Each of Ohio's 88 counties now have a full time Emergency Coordinator, a first in many years.

Several counties gave updates on their local ARES activities that included the training of some ARES members on the use of the new MARCS Statewide Radio System. Central Ohio ARES has installed Amateur Radio's in several State EMA vehicles. Many Central Ohio EMA officials have obtained their amateur radio licenses. Stark County gave an update on our Winlink Program.

There was some general discussion of a restructuring of Ohio ARES Districts which would benefit our alliance with the Ohio Citizen Corps. This structure would be similar to the Ohio Dept of Homeland Security structure.

There was also some discussion of a statewide uniform ID Card for ARES members.

There was also an update on the Winlink 2000 Emergency Communications System. SEC Frank Piper has established a project to move forward with implementing a fully operational Winlink system in each of Ohio's 88 counties.

Currently there are 15 counties that have TelPac Nodes in operation. Frequency Coordination may become an issue and is being discussed by State Coordinators.

Single day training seminars are being considered to assist with the implementation of this project and would probably take place in the Ohio EMA office. Training materials are already in development.

A Yahoo discussion group is currently being formed to keep local Winlink Coordinators updated on this project.

Out of time and space for this month, see you at the meeting !

De Terry – N8ATZ

The Belle of Cincinnati - Home Port: Cincinnati, Ohio *LST 325*



Rendezvous on the River!

The 2006 **Tall Stacks Music, Art & Heritage Festival** will sail into Cincinnati, Ohio the first week in October. The event will feature the largest assembly of steamboats anywhere on the planet, and give guests the opportunity to cruise the Ohio River aboard an authentic steamboat.

The Public Landing along the Ohio River will come alive with rock music, Dixieland jazz and big-band sounds during the festival which is being compared to JazzFest in New Orleans.

However, the festival, which takes place October 4th to the 8th, has activities for everyone, with living history displays, children's activities and dinner jaunts and themed cruises on the glorious paddlewheelers themselves.

Tall Stacks Music, Arts & Heritage Festival is the nation's signature celebration of America's steamboating era, drawing on the riverboat's role in transporting music across the country during the 1800s. Tall Stacks' on-shore nightly entertainment will showcase the musical genres that are the soundtrack of the river and American history.

For kids, Sawyertown will provide learning centers where they will learn more about the history of the Ohio River and steamboats with hands-on activities. Little hands will build boats, make quilt squares, blow bubbles and make fish prints.

The Cincinnati Children's Theater will perform an original musical production based on Mark Swain's Tom Sawyer. All events are included in the price of admission, which is free for children under 12.

For students and history buffs, *Along Jordan's Path* will depict the period of the 1800s and the advent of steamboats through the end of the Civil War. In partnership with the National Underground Railroad Freedom Center, this exhibit will focus on the role of slaves in building and working on steamboats; and using the boats to escape slavery in the South. Storytellers will tell how fugitive slaves considered the Ohio River their own symbolic River Jordan, and crossing that river meant freedom.

The five-day festival runs practically around the clock, as well as around the river's bend. Continuous shorefront entertainment will take place on multiple stages throughout the festival.

General admission tickets are \$22 for all five days of the event, or \$20 if purchased at Kroger stores. Children age 12 and under are free, making this a wonderful family event. Tickets for the various cruises range in price from \$20 to \$78. For cruise reservations call 513-562-4949.

Parking is available for out-of-town visitors at the General Electric plant in Evendale, which is about 15 minutes north of downtown; or at a number of park and ride locations. To park at the GE plant take Exit 14 off Interstate 75, then follow Neumann Way to the right and look for the GE sign "Gate 27." Then hop aboard a shuttle which will take you directly to the plaza level of the Great American Ball Park, which adjoins the Public Landing. For more information visit www.tallstacks.com



Our own Perry Ballinger, W8AU at the controls of authentic radio equipment aboard the LST 325, a WWII era landing ship. (Thanks to K8RIC for submitting this article!)

Ham Dipole As A Practical and Portable Limited-Space HF Antenna

© 2001, Virginia RACES, Inc. - For Educational Use Only

Steve Cuccio, NB30, NM, Old Dominion Emergency Net

And Ed Harris, KE4SKY, VA State RACES Training Officer

When setting up portable or space restricted antennas, stand-alone mobile whips are often avoided due to the lack of a good grounding method. Stringing ground radials or using a ground rod in the field or the attic becomes increasingly difficult. While using one mobile whip by itself requires a good ground or counterpoise (usually the car body), a pair can be operated as a dipole. Lakeview (www.hamstick.com) makes a universal dipole mount for \$13.95. They also supply quick-disconnect fittings with 3/8 X 24 threads which allow push-and-twist assembly of the mobile whips to the dipole mount within seconds for those of us wishing to make a quick setup or band change without tools.

Pro-Am makes Valor HF linear loaded whips that disassemble in half using a single threaded nut. This has the advantage that tuning adjustment is not lost when the antenna is disassembled. Hamstick whips have two small set screws that must be loosened to remove the stinger portion. Both brands cost about \$24 per whip. The eight-foot whip disassembles to two four-foot pieces. Each whip is designed to cover one amateur band and can be adjusted from the phone to the CW sub-bands by changing the stinger length.

The 2:1 VSWR bandwidth is narrower on the lower bands since the whips are proportionally smaller compared to the longer electrical wavelengths. The 20-meter whips measured about 100 kHz, the 40-meter at 40 kHz and the 75-meter about 20 kHz. If your HF rig has a built-in tuner, the useable frequency span approximately doubles without significant loss of antenna efficiency.

An on-the-air comparison was made between the portable whip dipoles up 20 feet and half-wave dipoles for 40 and 75 meters. On 40 meters, two whips were about 1-1/2 S-units (about 10 dB) below the half-wave 40-meter dipole. Two 75-meter whips were almost three S-units (about 18 dB) below a half-wave 75-meter dipole (no wonder, since

a 75-meter half wave dipole is 130 feet compared to the 16 feet of the two whips). On 20 meters, we were surprised to see only about one S-unit (6-dB) difference from a G5RV dipole antenna. Getting the portable whip dipole higher than 20 feet would also improve efficiency on the lower bands.

This portable dipole system was used to make contacts with European Russia on 20 meters from a condo in San Luis, CA as well as by Ed to San Juan Puerto Rico, Prince Edward Island and Mexico City from the Pentagon south parking lot in Washington, DC during the 2000 Marine Corps Marathon.

A pair of Radio Shack 10-foot TV mast sections supported my antenna parallel to the plastic rain gutter on the corner of the house. Bungee cords were used to hold it in place. Raising and lowering the antenna and masts to change bands can be done by one person, but two make the job easier when the wind is blowing.

Ed uses four 5-ft. mast sections for ease of storage in a vehicle. He recommends that whips all be equipped with quick-disconnects, be color-coded by band and stored with a 4' ground rod in capped 3" diameter PVC pipe. ARES / RACES may need to set up in a paved area such as an EOC parking lot. To do so bolt a folding 3-ft. TV roof tripod onto a triangular support frame constructed of three 5' pieces of 1" angle iron, using 1/4-20x3" bolts and wing nuts. Similarly attach a length of 2x6" across the open end opposite the TV tripod. Park a front tire of your vehicle on the board or place sandbags across it to provide wind stability. All stash easily in an SUV. With practice, you can erect the antenna in 5 minutes!

A variation provides dual HF band coverage with a single coaxial feedline. Two hamstick dipole mounts were bolted together with their center-isolated posts connected together using #12 gauge wire. Two sets of whips for 40 and 75 meters were assembled. Coax was attached to one of the mounts. There is minor interaction between the whips, although the #12 gauge wire looks slightly capacitive. Connecting the coax to the lower band dipole mount reduces the effect of the #12 gauge wire. A 25-foot length of coax was coiled at the base of the mast as an RF choke to reduce any stray RF from coupling onto the shield. The same could be accomplished by using ferrite beads on the coax feed near the dipole mount.

Either arrangement provides a viable, convenient, portable,

horizontally polarized, high-angle antenna for NVIS operation on 40 and 75 meters. It is also a directional antenna on the higher frequencies, which is an effective performer for those who live in antenna restricted communities.

As with any transmitting antenna, be sure the radiating elements, especially the stinger end sections, are kept safely away from bystanders. 73

(Again, Thanks to K8RIC for submitting this article)

A Spectrum Marker for 500 Kilocycles

*Radio Buffs Lobby to Make Historic 500 kHz a
'Memorial Frequency'*

by **James Careless**

For almost a century, 500 kHz was a lifeline for ships worldwide. Better known as 500 kilocycles, it was the spectrum reserved for ships and the shore stations that communicated with them in Morse Code (sometimes referred to as CW, for continuous wave).

If you're a real radio old-timer, you might refer to the frequency as 600 meters.

"To ensure that SOS calls were always heard, all ship and shore stations were required to monitor 500 kHz at all times," said Richard Dillman, secretary and chief CW operator of the Maritime Radio Historical Society. "At 15 and 45 minutes past the hour, all users were required to go silent, so that any weak SOS calls could make it through."

Over the years, countless distress calls were transmitted and heard on 500 kHz, including those from the Titanic. In fact, it was Titanic's loss that inspired the 500 kHz monitoring rules.

But even in recent times, 500 kHz has been a lifesaver. For instance, when the Holland America passenger ship Prinsendam caught fire and sank in the Gulf of Alaska on Oct. 4, 1980, it was Morse via 500 kHz that brought

help. As for the Prinsendam's high-tech satellite radio system? It failed. Without Morse and 500 kHz, help would have arrived too late.

With the demise of commercial Morse traffic, 500 kHz - "we still call it 500 kc," said society President Tom Horsfall - has fallen mostly silent around the world. Exceptions are events such as the annual MHRHS' "Night of Nights" Morse broadcasts from restored RCA shore station KPH near San Francisco, which is maintained by society volunteers and the National Parks Service.

"At least two - and soon three - historic ships that have valid ship station licenses use 500 kc to communicate with each other and KPH and KSM," he said. As well, "Recently coast station KLB in Seattle restored operation on 500 kc."

Amateur radio operators are interested in the spectrum. But given the frequency's august history, Dillman, Horsfall and other society members are lobbying to have 500 kHz designated as a "memorial frequency." This, they say, would prevent the spectrum being reallocated by the International Telecommunication Union and keep 500 kHz open for future Morse events such the Night of Nights, which attract listeners around the world.

Dillman is not aware of any similar designation. "The concept of an International Memorial Frequency ... originated with the MRHS," he said. "While we can't speak for the ITU, I think we can say without fear of contradiction that no other frequency has been so designated."

'Sacrilege'

At first, the notion of preserving a piece of radio spectrum as a historic "site" might seem strange. After all, spectrum is not tangible, like a building or artifact, so how can one "preserve" it?

Dillman and Horsfall become passionate about the topic. Arguing that the actual amount of bandwidth removed from use would be "a tiny slice," they say reallocating 500 kHz to other uses would be "sacrilege."

"We've spoken to ship and shore radio operators around the world, and they generally agree that 500 kc is 'hallowed ground,'" said Dillman. "That's why they are hoping that the ITU will agree to setting 500 kc aside as a memorial frequency."

Some ham radio operators seem none too keen about setting 500 kHz off-limits. "This is going too far!" wrote one ham at www.eham.net "History is important, granted, but the fact that many very talented old-timers are growing older and older does not justify turning the radio waves into a memorial. Gads! This is gross!"

(Made aware of this comment, Dillman replied, "Of course the fact that old-timers are old has nothing to do with our proposal.")

Another ham wrote, "I think they should just reallocate 500 kHz for amateur use and then these historical coastal stations can share it as secondary users under that same proposal. I do not agree that 500 kHz should be specifically allocated for historical station use only."

Other hams defend the society's idea. Wrote one ham, "These folks and their organizations are part of commercial maritime radio. They use 5-20 kW transmitters. None of their frequency allocations are in the Amateur Radio Service. In fact, in their proposal for the International Memorial Frequency they state: 'It is important to note that this proposal is not intended to establish a new frequency in the amateur radio service. In fact the aim is quite the opposite.'"

"We don't want anything to change," Horsfall emphasized to Radio World. "We would like all authorizations to stay the same, with the addition that each ITU signatory country could license legitimate historic marine radio projects to use 500 kc."

A decision whether to "memorialize" 500 kc would be made by the ITU. To this end, the MRHS is lobbying contacts within the international body, hoping that they will help turn the MRHS' dream into reality. Dillman said the concept of an International Memorial Frequency has been presented informally to the ITU by a supporter of the idea who attends its meetings.

"At the moment the ITU has not expressed an opinion on the concept," he said

(Thanks to Perry W8AU for submitting this article)



Now is the time to dust off your Fox Hunting equipment. Fox season is just starting and the next hunt will be Saturday, October 14th at 9:00 a.m. We need a volunteer to hide the transmitter and play the role of being the Fox. The hider will have the option of making the hunt a drive and find on foot or all on foot. If the all on foot option is used the general area (park) will be disclosed before the hunt.

The frequency to listen for will be 145.62 mhz. More details will be given at the meeting Friday.

73's de Dan N8DZM

Ed: Want some great ideas on making and using fox hunting equipment? Then go to www.homingin.com There you will find useful ideas on building your own equipment, shortcuts to locating the "fox" , etc. Check it out!

Hey Dan, can I bring my "new" Doppler Dfer? It's a real 2 Horse Power !

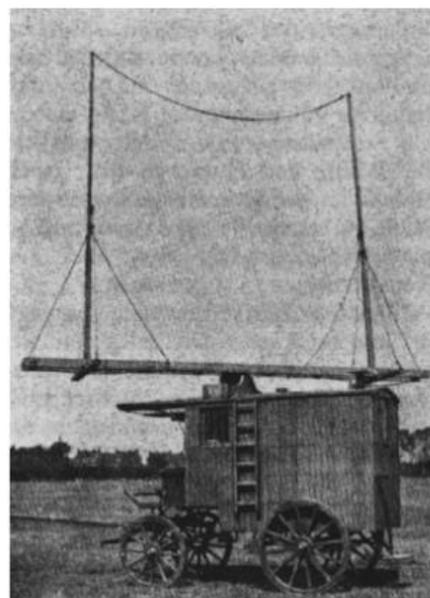


Fig.1: Mobile rotating-loop direction finder for military use (about 1918)

TAKE A LOOK AT THIS...

FOR SALE !!!!!

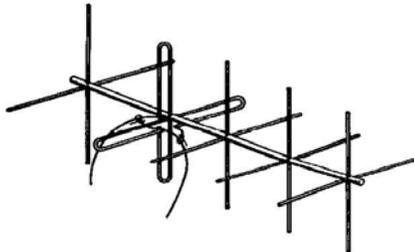


(note picture is a Kenwood TM 742 not the 732 advertised however very similar)

KENWOOD TM732A in very good condition, used very little. Owner wants to sell radio and everything that goes with it, including mobile antenna, coax, mounting brackets, etc. This is a 2meter/440 rig, all for the unbelievable price of \$ 200.00 !! Call Shelby, N8XEO AT 330/488-2439.

LOOK

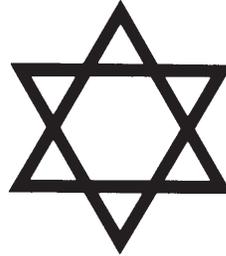
CUSHCRAFT 2 METER ANTENNA. A Cushcraft 144 - 20T a 20 element two meter beam antenna. For the serious two meter DXer. This antenna has 10 elements on vertical, 10 elements on horizontal, 20 elements total ! Requires two coax inputs or balun line. This antenna has been up for 16 years and STILL works great ! Sale is AS IS. This antenna will require a little work in cleaning the aluminum and will require new stainless steel clamps. The only thing that comes close is the Cushcraft 148-10S (10 ele beam on 2 meters) and sells for \$ 124.99. Offer is \$ 50.00 AS IS. Call Gary WC8W at 330/837-2927 evenings of 330/323-3678 daylight or catch me on 2 meters 147.18 MHz.



Antenna looks a lot like this (5+5), but with 10 ele vert and 10 ele horiz. ! Awsome antenna!

OCTOBER

I bet you thought that the month of October was the beginning of the ' blagh months. Well the truth is it is a very busy month. It has Yom Kippur October 2nd, Columbus Day October 9th, National Boss? Day, October 16th, Daylight Savings time ends October 29th and Halloween on October 31st. None of that compares to the Massillon Amateur Radio Club's Hamfest on October 29th, also the BIGGEST, weekend for amateur radio, the CQ World Wide DX Contest is also on that very busy weekend !



Yom Kippur Oct 2nd



Columbus Day October 9th



Halloween October 31st

October 2006

W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																	
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Massillon Radio Net - 3650 @ 1930		BD K8MOO Massillon Radio Net - 3650 @ 1930	BD N8ATZ	Massillon Radio Net - 3650 @ 1930	Massillon ARC Meeting, Massillon Senior Center, 8:00pm																																																		
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Massillon Radio Net - 3650 @ 1930		Massillon Radio Net - 3650 @ 1930		Massillon Radio Net - 3650 @ 1930		MARC Hamfest Setup																																																	
29	30	31	<p>Upcoming Events:</p> <p>Nov. 18 and 19 - Indiana State Convention (Fort Wayne Hamfest and Computer Expo)</p> <p>November 18 - 52nd Annual Massillon Holiday Parade</p>																																																				
Daylight Savings Time Ends MARC HAMFEST! Also, VE Test Session, Massillon Hamfest, 0900, Ctc.: Gary Kline, 330-837-2927, Massillon Boys & Girls Club Massillon Radio Net - 3650 @ 1930		Halloween Massillon Radio Net - 3650 @ 1930 VE Test Session, Pioneer AR Fellowship, 1900, Ctc.: Ronald Lieving, 330-724-5981, Akron Baptist Temple	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="7">Nov 2006</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> </tr> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td></td> <td></td> </tr> </tbody> </table>				Nov 2006							S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
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