

# FEEDBACK

VOLUME 51 ISSUE 5

MAY 2006

## MASSILLON AMATEUR RADIO CLUB OFFICERS

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K8INN

### VICE PRESIDENT

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K8HSQ

### SECRETARY

LINDA FINLEY  
K8MOO

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N8GAF



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## --- SHORT SKIP ---

Attention amigos, DXers, contesters, and SWL's, a good source of up to the minute DX info, sunspots, and etc. are featured on C02KK's " DXers Unlimited " program on Saturday nights at 0130 HRS at 6.000 MHZ. NO POLITICS - just great amateur radio and SWL info.

Give it a listen, you'll be glad you did !

73 de WB80WM

## MAY MEETING

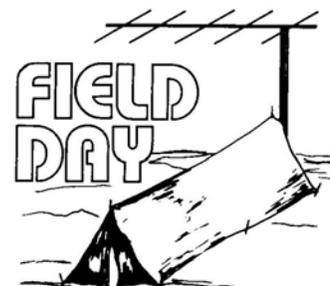
The meeting for the month of May will be held at the Massillon Senior Center on May 5th 2006 at 8:00 PM.

Wow ! What an important and VERY busy month! First we have the Safety Break scheduled for Mothers Day weekend, May 12, 13, and 14. Have you signed up to help yet??? On the same weekend, Saturday May 13th, we have the VE Exam scheduled at the EOC . The following weekend, May 19, 20th and 21st, the Dayton Hamvention will commence! Thank goodness the weekend after that will be a holiday weekend, Memorial Day, May 29th, maybe we all can get some well deserved rest !

Can you believe it? The main topic at the meeting will be Field Day coming up on June 24th and 25th ! Seems like we were just getting over the winter blues and here is Field Day already ! Yes we will again hold Field Day at Petro's Park this year. Some of the details will need to be worked out this month and next. So plan on attending the meeting and help plan for Field Day 2006 !

## PROGRAM NOTICE

Ralph, K8HSQ informs me that since Field Day is coming up quickly that the program for the month will be devoted to planning for this event. So there will not be a "formal" program for this month. Instead, he says that they will enlist your ideas on how to improve Field Day. Getting a better score, more member participation, more exposure to the public and etc.. Got any good ideas? Be sure to attend this month's meeting and share your ideas with the club !



## April 7,2006 MARC MINUTES

The Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 35 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.

Jeff Covelli WA8SAJ then gave the evening program about the RL Drake Company and he brought many fine "vintage" radios.

A break was made before the business meeting started and refreshments were had before the meeting continued.

Vice President Ralph K8HSQ then gave the correspondence report.

The minutes of the March meeting were accepted as stated in the FEEDBACK by Steve WD8MIJ and second by Byron KF8UN.

MARC Treasurer Anne N8GAF then gave the financial report.

Joe WD8BGW received some donated radio equipment that will be sold at the MARC Hamfest.

### OLD BUSINESS

Michele KC8ZEJ said she needs more helpers to do the MARC information net. any volunteers, contact her via e-mail to: [kc8zej@neo.rr.com](mailto:kc8zej@neo.rr.com).

Perry W8AU needs helpers for the canoe race to be held on June 3,2006.

Gary WC8W had the updated membership roster. You can check it out on the web-site. ( [www.marcradio.org](http://www.marcradio.org) )

MARC still needs helpers for the safety break to be on Mothers Day weekend. WE NEED BAKED GOODS. Donut Connection can only help us on Sunday.

Dan N8DZM said fox hunt will start in May.

Gary WC8W, Don W8DEF, Rodger KA8FTS, and Perry W8AU gave an update on the Amateur Radio training classes.

### NEW BUSINESS

Dan N8DZM received a QSL card for making contact with the Space Station.

Scott N3JJT would like a demonstration on Emergency Communication at Goodyear. Helpers will be needed for this on Friday May 26.

Byron KF8UN had QSL cards, plus congratulations for receiving the Grid Square Award.

Thank you goes to Don W8DEF for donating a new Antenna book to MARC Library. Thank you also goes to Jeff Covelli WA8SAJ for donating his book on the Drake Company to the MARC Library.

Congratulations goes to Scott KC8ZCT for winning the 50-50 for \$21.00.

**Minutes by Linda K8MOO  
Secretary MARC**

## ... Severe Weather Week Recap ...

Severe Weather Awareness week concluded on April 1st after Stark County Skywarn hosted several events all very well attended. The first event was our annual Skywarn Spotter Training Meeting again held at Stark State College with training provided by the Cleveland National Weather Service Coordinating Meteorologist Gary Garnet – KC8TJI. This years attendance again exceeded 150 with over 40 first time attendees. Gary is always impressed by the large turnout and strong support provided by Stark County's amateurs.

Wednesday, March 29th we also participated in the Statewide Tornado Test receiving over 30 check ins from all over Stark County taken over the Severe Weather Net. All results were reported to Stark County EMA Director Tim Warstler. Complete details are posted on the Stark County ARES website.

We are just about to enter severe weather season here in Northeastern Ohio and as the folks in the Midwest have recently learned, severe weather can strike anytime and without warning. Remember to monitor the 147.12 repeater during severe weather for updates and to provide reports should we need them.

## .. Stark ARES Attends Coalition Meeting ..

A Multi-County Coalition meeting was held last Sunday, March 26th at Tuscora Park in New Philadelphia with several Stark County ARES members attending including Assistant EC Terry Russ - N8ATZ who along with Winlink Technical Director Ralph Bugg - K8HSQ presented a slide presentation on our Stark County Winlink Communications Initiative.

The meeting included nearly 30 attendees representing about seven southeastern counties as well as several ARES Emergency Coordinators, Assistant EC's and District Coordinators. Additional Stark ARES members in attendance included Net Manager Dale Storey - KB8LWP and Net Coordinator Michelle Gill - KC8ZEJ.

Club representatives reported on their current activities and ARES coordinators also reported on their current public service activities. Discussions also involved the need for ARES volunteers to become familiar with FEMA's Incident Command System training courses. Most important were ICS-100, ICS-200, ICS-700 and ICS-800.

After a short break Stark County Winlink Coordinators gave a slide presentation on our Stark County Winlink Initiative.

The meeting was well attended with a lot of information shared with all attendees. The next Multi-County Coalition Meeting is scheduled to be held on Sunday, July 23rd at

2:00 PM in Coshocton.

## .. Time For Hamvention ! ..

May brings with it the beginning of spring and more importantly the annual trek to the mighty Mecca of Radio, the Dayton Hamvention. Celebrating their 56th show this year on May 19, 20 & 21 – this is one hamfest everyone should visit.

This years theme is "Amateur Radio Is Public Service" is expected to include additional events regarding public service.

What is Hamvention? It's forums where you can meet the authorities on all facets of our hobby. It's 500 inside exhibit spaces where exhibitors show off their latest equipment. It's 2,500 outdoor flea market spaces where everything and anything is available for sale.

Due to the overwhelming popularity Hamvention will again sponsor ARRL Expo 2006. The Expo will showcase ARRL membership benefits and services as well as the League's many activities. Last year I had my picture placed on a QST Magazine cover that now graces my hamshack.

Another neat part of this years Hamvention is streaming video and audio live from the hamfest courtesy of Tom – WA5KUB. This will be his 4th year to broadcast live video from their drive to Hamvention to 3 days in the fleamarket including a Helmet Cam !. If you can't make this years event have a look at Tom's website at <http://wa5kub.com>. Complete Hamvention details are available at [www.hamvention.org](http://www.hamvention.org).

I will be making my annual visit both Friday and Saturday in hopes of getting at least one day without rain !. It's an amazing place, I hope you get a chance to make the trip. I'll be looking for you !

## .. And Finally ..

Some important dates to remember in May, 12th, 13th & 14th – MARC Safety Break. Have you volunteered for a shift ? . May 13th – MARC/CARC VEC Testing at the Canton EOC Office in Canton, and of course 19th, 20th & 21st – Dayton Hamvention.

That's about it for this month, I won't be at the May club meeting as I'm on the road again as the song says, but catch you soon.

**De Terry – N8ATZ**

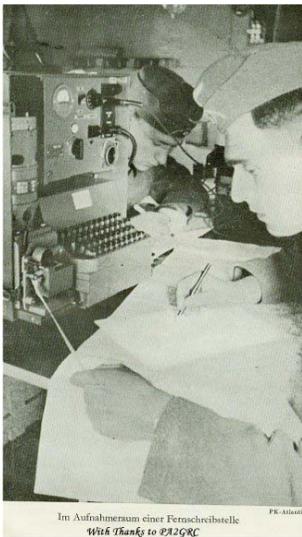
## The Bands Are Going to Hell!

Here is your chance to operate one of the “new” digital modes that has a lot of history behind it.

For the past six or seven years I’ve enjoyed the leisurely pace of Hellschreiber, a digital mode that prints across your computer screen a bit like a fax, which is why it is sometimes dubbed the “fuzzy mode”.



Feld-Hell chugs along at 25 wpm, and some software allows you to print simple pictures like smiley faces and stars. Mostly you’ll find US operators who like to rag chew, but I’ve had some European DX contacts as well.



**A RICH HISTORY** There is a rich history to this mode, which was originally patented in 1929 by

Rudolf Hell and used extensively in portable field operations during WWII. It eventually was employed by some news services and remained in use as recently as 1980. Unlike teleprinters, Hellschreiber machines had only two moving parts and so were mobile and dependable.

Today you don’t need a Hellschreiber machine because of software by IZ8BLY, MultiPSK or the commercial MixW.



**ANYBODY OUT THERE?** Until recently, Hellschreiber enthusiasts were sometimes frustrated by the

low level of activity in the mode. Then in March a Feld-Hell club was formed which has stimulated new interest in the old fuzzy mode. Membership is free and there are some achievement awards, links to a cluster that spots digital stations, a club newsletter and a weekly 20-meter net.

You can learn about the Hellschreiber mode, join the club and get links to software at <http://www.feldhellclub.co.uk/> .

## AMBER ALERT INFORMATION

Hello all. When I was vice-president seeking program information, someone suggested a program on AMBER alerts, and how to get them patched through to repeaters. I have not found any information on this yet, however, when this article appeared in our April 2006 "Grand Lodge FOP Journal," I thought some of you may be interested in participating. 73, Joe WD8BGW

### Wireless AMBER Alerts Now Available

Statistics show the first three hours after abduction are most critical to recovery efforts. Recognizing that wireless technology can help galvanize more than 182-million wireless consumers to assist law enforcement in the search for and return of a child, CTIA- The Wireless Association®, its members and The Wireless Foundation are proud to launch the Wireless AMBER AlertsT Initiative.

The wireless industry has officially partnered with the National Center for Missing & Exploited Children (NCMEC) to distribute AMBER Alerts to wireless consumers who opt in to receive geographically specified messages on their wireless devices through an AMBER Alert wireless messaging system.

Subscribers capable of receiving text messages, and whose wireless carrier participates in the Wireless AMBER Alerts Initiative, may opt in to receive alerts by registering at <http://www.wirelessamberalerts.org> or their wireless carrier's website.

Cpt. Joseph A. Herrick  
Massillon Police Department  
Two James Duncan Plaza SE  
Massillon OH 44647  
Phone: 330-830-1747  
FAX: 330-830-2885



## NREN Training Topic 12-10-05

### Rural Emergency Communications

Many radio amateurs find themselves located in rural areas, which lack sufficient amateur population to support an "ARES" group or similar local emergency communications program. For example, in Michigan's Upper Peninsula, multiple counties lack an assigned Emergency Coordinator, let alone sufficient staff for an effective ARES response. The same is likely true for small towns and rural areas throughout the US and Canada.

Recent experience with Hurricane Katrina revealed that many smaller communities remained isolated for weeks, with absolutely no communications other than that provided by satellite telephones utilized by some relief agencies (at a dollar or two a minute). Yet, one can't help but suspect that radio amateurs had resided in or near many of these small communities, and could have possibly assisted had they properly prepared.

In areas of low amateur population, many radio amateurs assume there is little that can be done with just one or two other operators. Likewise, local officials may be unaware a radio amateur lives in their area, or have little knowledge of the capabilities offered by the Amateur Radio Service. Yet, there are situations in which one or two radio amateurs could prove extremely useful. Let's look at just one such example: the cut fiber optic line.

Each year, hundreds of small communities are isolated from the outside world due to a cut fiber optic cable. One swipe from a backhoe can isolate a telephone company central office. While the ability to place local calls remains intact, the community is nonetheless cut-off from long-distance and inter-LATA service. Cellular service may also be disrupted due to the fact that local tower sites may be isolated from a distant Mobile Switching Office (MSO), which can be located several counties away. Worse yet, if a county 911-Center (public safety answering point, or "PSAP") is located on the wrong side of the cut, individuals within the affected area may be unable to summon police, fire, or other emergency services.

In the example above, all that is necessary to provide basic connectivity with the "outside world" is another radio amateur located outside the affected area. This may be a member or two from the nearest ARES group accessible via a distant two-meter repeater, or it may be the facilities of a Section NTS Net or a program like NREN.

While the technical process of establishing communications with the outside world is straightforward, the ability to accurately originate, receive, and process emergency traffic is not. Operators on both ends of the circuit should have a reasonable amount of prior experience handling

third party traffic. As such, a Section NTS Net may offer a better class of service for this application than a distant ARES group, as the later organization will likely be more invested in simple tactical communications.

### Build it and they won't come....

Of course, having the technical capabilities and skills needed is only part of the picture. A last-minute offer to help may be rejected outright if local officials do not have a prior working relationship with a local radio amateur. Public safety agencies are uncomfortable with volunteers, and for good reason. Anyone who has been pulled over by a fake police officer can attest to the fact that police, fire, and emergency services attract more than their share of questionable individuals seeking self-esteem by association. As such, it is essential that a radio amateur establish some relationships in advance of an emergency. This allows trust and confidence to be built over time. Often, all that is necessary is an occasional pleasant lunch or cup of coffee and discussion with your potential "customer." That way, when one shows up at the IC Post or calls on the phone to offer his/her services, he is a familiar face and viewed as a trusted local citizen. Best of all, your customer will already have some idea of the capabilities you will be offering.

Regardless of the emergency, whether it is a cut fiber optic cable, tornado or flood which disrupts local communications, it remains possible for one or two local radio amateur to provide flexible and efficient assistance to emergency services agencies or even the general public. The trick is to identify your "ready made" infrastructure and have a method in place for quickly activating supporting nets and personnel in time of emergency.

### Summary and Preparedness Steps

Here are some steps one can take to prepare for service in a one or two person operation:

- \* Participate periodically in a traffic net. Learn how to format, transmit, and receive radiogram messages. The radiogram format promotes accuracy, limits liability, and provides essential service data.

- \* Create a list of telephone numbers and e-mail addresses for key personnel, such as your net manager, STM, SEC, local emergency management office, and other essential personnel, who can be contacted to activate the net or your choice. While you may not be able to call them directly during a local communications outage, it is simply a matter of finding someone on air, who is outside the affected area, to place the initial call for you.

- \* Have sufficient message forms and operating aids available.

- \* Have the ability to remain operational with emergency power. CW nets are ideal for extended outages because one can operate for hours or even days using low power and batteries as a power source.

- \* Make up some simple business cards and obtain or create a few brochures, which can be provided to local officials. These should explain your Amateur Radio capabilities and affiliations with a quality public service program. The ARRL and similar organizations typically offer this type of promotional literature.

- \* Consider using alternate technologies for message delivery when available. FAX machines, e-mail, and programs such as WINLINK can all be applied to advantage, provided initial contact is made with a "live" individual and arrangements are made to expect these delivery methods.

- \* Net managers may want to conduct periodic emergency drills in which net members originate their own served agency traffic instead of relying only on ARES or RACES type groups to do so.

### Final Thoughts

It is easy to be lulled into complacency by our extensive and robust commercial telecommunications infrastructure and power grid. However, Hurricane Katrina should serve as a wake up call that this infrastructure is vulnerable. Amateur Radio is full of ready-made infrastructure, which can provide first-class service in time of emergency. However, it is first necessary to think outside the box and examine ways in which it can be utilized. It is also necessary to market our services so that we can be viewed as a "go-to" organization when common carrier systems fail.

Because no one wants to offer a service and then fail to deliver through inexperience or incompetence, participation in traffic nets is strongly recommended. It requires little time, and one needn't leave home, attend meetings, or learn about Incident Command, HAZMAT, or other topics. Yet, with this minimal, convenient effort, one can prepare himself to provide real and essential community service.

**73, Jim WB8SIW**

*MEMORIAL DAY*

*MAY 29th*



## IN MEMORIAM

### EARL D. McCAMISH

Last month on April 3, 2006, the father of Scott McCamish, N3JJT passed away. He was born on April 26, 1926 in Cuyahoga Falls, Ohio. He was 79 years of age. Earl was retired from the Goodyear Tire & Rubber Company with 35 years of service. He was a member of the Goodyear Heights Presbyterian Church. He served in the U.S. Army Infantry during World War II. He was preceded in death by his wife of 53 years, Betty. He is survived by his children, Kristine Fultz, Brad (Sue), Greg (Denise) and Scott and fiancée Kathy. Also survived by brothers David (Elaine), Edwin (Ruth), and Gordon, 3 Grandchildren, 5 step grandchildren, 4 great-grandchildren. Services were on April 7, 2006 and internment was at the Sunset Hills Memory Gardens with a veterans service by the Firestone Park VFW # 3383. Memorials may be made to the Haven of Rest Ministries. We wish to send our condolences to Scott and his entire Family.

## ARRL NEWS

ZCZC AG07 QST de W1AW ARRL Bulletin 7 ARLB007

From ARRL Headquarters Newington CT April 28, 2006

To all radio amateurs

### SB QST ARL ARLB007

ARLB007 House Committee Okays Telecoms Bill with BPL-Interference

#### Study Amendment

The US House Energy and Commerce Committee's version of the Communications Opportunity, Promotion and Enhancement (COPE) Act of 2006 includes an amendment requiring the FCC to study the interference potential of BPL systems. The panel voted April 26 to send the much-talked-about "telecoms rewrite" bill to the full House for its consideration. "Outstanding news!" was the reaction of ARRL CEO David Sumner, K1ZZ.

"This is a major victory for the ARRL," he exulted, noting that the amendment "received significant opposition" from utility companies. Rep Mike Ross, WD5DVR (D-AR), proposed the amendment, and, with the support of Committee Chairman Joe Barton (R-TX), the committee agreed by voice vote to include it in the bill. "This puts the House Energy and Commerce Committee on record as having concerns about BPL interference," Sumner said.

A year ago, Ross sponsored House Resolution 230 (H Res 230), which calls on the FCC to "reconsider and revise rules governing broadband

over power line systems" based on a comprehensive evaluation of their interference potential to public safety and other licensed radio services.

"Hundreds of ARRL members who wrote their congressional representatives in support of Rep Ross's H Res 230 helped to achieve this week's success with the COPE Act amendment," Sumner observed.

A statement released by Ross's office notes that his amendment, which received unanimous committee support, "would guarantee that valuable public safety communications and Amateur Radio operators are not subject to interference." One of two radio amateurs in the US House, Ross said infrastructure-free Amateur Radio, "often overlooked in favor of flashier means of communication," can maintain communication in disasters that bring more vulnerable technology to its knees. Ham radio operators "are often the only means of communication attainable in a devastated area," Ross said.

"I believe it is imperative that the interference potential of BPL is thoroughly examined and comprehensively evaluated to ensure that deployment of BPL, which I do support, does not cause radio interference for Amateur Radio operators and first responders who serve our communities," Ross added.

NNNN /EX

## FOXHUNT ADVENTURE

The article on page 8 was submitted to us by Rick K8RIC. There is not enough room to print the article in its entirety so we will split it and print the second half next month. It's along the same lines as BPL however very different. It makes for fine reading. Thanks to Rick for this submission. 73's de Gary WC8W Editor

## Putting Noise to Bed — Foxhunt Adventure

[David Kopacz \(KY1V\)](#) on September 9, 2004

For the past year I have experienced a ticking or popping sound on all bands from 20 meters through 6 meters. These annoying noise could be heard equally as well on my FT-1000MP Mark V, IC-756ProII and TS-2000 receivers. The noise varied in signal strength depending on frequency and atmospheric conditions. Sometimes I could hear it on 20 meters and other times barely at all. It was always present on 10 meters and 6 meters. Recently, I bought a new Icom IC-7800 and the noise persisted with no help from the noise blanker or DSP noise reduction. It seemed nothing could eliminate this noise. I was determined to find the source and eliminate it myself.

I had taken many steps in attempting to isolate this problem. I won't bore you with all of the details, however, I will share with you the most recent steps taken to isolate the problem and my findings, which are extraordinary.

After shutting down the power to EVERY breaker in my home EXCEPT the dedicated circuits with isolated grounds that power my transceivers, I finally came to the conclusion that the interference was not being generated by any device in my home. In fact, I even removed the batteries from every device in my home including battery operated sprinkler timers outside my home. Having four young children, I can assure you that is a lot of batteries.

It was a very frustrating and time consuming process, and it certainly didn't make my wife or children very happy while power was being shut off and restored throughout the home. I did try to do most of this testing while they were out of the house, but the length of time that it took to isolate this issue was significant.

After discovering that not a single electrical device in my home was causing this extremely annoying noise, I decided it must be an electrical problem somewhere else and the electric company seemed like the most likely source.

I had recently purchased an M2 6M5X yagi for 50Mhz and found that when I pointed the yagi northeast towards Europe, the noise was strongest. I finally had something to work with, a direction! Interestingly,

this direction was pointing exactly at my GAP vertical 100 yards away.

Fortunately, during our last trip to Dayton, we purchased my oldest son an Icom IC-R3 receiver which would make an excellent noise tracking receiver in AM mode.

First, I set the IC-R3 to 28.5Mhz, where the noise was the strongest on my transceivers, then selected the AM mode. I could not hear the noise! Wow, was I disappointed. I knew the noise was there and I knew what direction it was coming from so I preceded to walk out toward the GAP antenna, following the direction my 50Mhz beam was pointing. Upon arrival at the GAP, still nothing! I couldn't believe my ears. I simply could not hear the noise! I went back to the shack, turned on the receiver and sure enough. TICK TICK TICK!

Now I was angry. I went back out to the GAP and the walked toward the back corner of my property, another 50 yards or so beyond the gap. VIOLA! I could hear a very faint tick tick tick in the background. I went into my neighbors yard, with permission of course, and proceeded toward the road and the telephone poles. TICK TICK TICK. The noise grew louder. As I walked further down the street under the power lines, the signal became even stronger. TICK TICK TICK POP.

After walking up and down the road, I discovered the noise was strongest near two power poles each of which were in front of a home. TICK TICK POP TICK. The signal was S9 and I was happy. Up upon the power poles were a couple of insulators that looked very old and a transformer that I was sure to be the source of my noise.

I was elated. Now all I had to do was write a letter to the power company, quote a few FCC rules and regulations and ask them to come out and begin replacing equipment until the problem was solved.

Before I wrote the letter, I decided to first review the ARRL website on electrical interference and hopefully find some advice about how to best word the letter in order to obtain the best response. Sure enough, the ARRL had a an entire section devoted to resolving interference problems including a section on dealing with power line interference and the utility company.

# May 2006

## W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																																
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28	29	30	31	<table style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="7" style="text-align: center; border: none;">Apr 2006</th> <th colspan="7" style="text-align: center; border: none;">Jun 2006</th> </tr> <tr> <td style="border: 1px solid black; text-align: center;">S</td> <td style="border: 1px solid black; text-align: center;">M</td> <td style="border: 1px solid black; text-align: center;">T</td> <td style="border: 1px solid black; text-align: center;">W</td> <td style="border: 1px solid black; text-align: center;">T</td> <td style="border: 1px solid black; text-align: center;">F</td> <td style="border: 1px solid black; text-align: center;">S</td> <td style="border: 1px solid black; text-align: center;">S</td> <td style="border: 1px solid black; text-align: center;">M</td> <td style="border: 1px solid black; text-align: center;">T</td> <td style="border: 1px solid black; text-align: center;">W</td> <td style="border: 1px solid black; text-align: center;">T</td> <td style="border: 1px solid black; 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