



The QUARAE



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It Seems to Me

I was sorry to hear that Norm Schlosser passed away. Here is his obituary. He definitely will be missed by us all.



Norman A. Schlosser, of Harborcreek, passed away on Wednesday, June 10, 2020, at his residence surrounded by his loving family. Born on June 29, 1944, in New Castle, Pa., he was the

son of the late Norman and Maxine Newhard Schlosser.

Norman served in the Navy as a cryptologist. He was a life member of the USN Cryptologist Veterans Assn, Together We Served, Hull, Patriot Benefactor NRA and Oath Keepers.

He served many years as a boating safety instructor, fur taker instructor and Red Cross CPR and first aid instructor. He was Erie County and District Leader of PA Trappers Assn and State Officer of PA Fish and Boat Commission. He was the commander of the Erie Power Squadron in 2004.

Norman operated Presque Isle Aquabus (water taxi) for 17 years, retiring in 2016. He held a ship's master license.

Along with his wife, he was a member of [Wattsburg Wireless Association](#) (KB3SXX), Sisters of St. Joseph Associates, Summit Senior Center, and Our Lady of Mercy Church and he also was a volunteer at the Erie Playhouse.

He is survived by his wife, Barbara Terza Haskins Schlosser; his daughter, Wendy Milstred of Maryland; his siblings, Cheryl (Mike) LaPointe of Wisconsin, Norma Jean Knight of Illinois, Carol


(Lane) Wise of Michigan, and Gordon (Kathleen) Schlosser of Texas; his sisters-in-law, Kathleen (Bil) Gburek of Pennsylvania; Susan (Bob) Shaul of New York; and Peggy (Mark) Draper of Florida; brother-in-law Patrick (Rose) Terza of Florida; stepchildren, Mark Haskins of Wisconsin, Jeffrey (Michele) Haskins of Indiana, Kristen (Dave) Seyboldt of Erie, and Randall (Jennifer) Haskins of Ohio. He was "Captain Grandpa" to 16 grandchildren and step-grandchildren; and is further survived by several nieces and nephews.

I got a job at a bakery because I kneaded dough.

DMR Radio

I have been learning about DMR radio. You have to learn a whole new lingo. So I will try to explain some of the new words you must know.

DMR ID: You need to get your own unique DMR ID. Visit RadioID.net, register with your amateur radio call sign and obtain a DMR ID. RadioID.net has an automated registration process to where you



**Radio Association of Erie
Club Meeting at Wagner
Road**

**Thursday July 2
7 PM- General Meeting**

**Program: The Don Lee broadcasting
system.**

can instantly get a unique DMR ID. Why do you need an ID? This will allow for you to take and use your DMR radio anywhere in the world and be uniquely identified and access DMR networks to communicate. It is a must!

You can participate in DMR three ways. Simplex; digitally talk from one radio to another (and also send text messages at the same time or **APRS** (Automated Packet Reporting System) which could be any text message, GPS, etc, information, through a repeater to another radio in the area or through the internet to a repeater elsewhere in the world. Or you can go through a reflector (talk group) or directly from your radio through a hot spot to the internet (via Wi-Fi).

Let's start with "DMR". **DMR** stands for Digital Mobile Radio. DMR is also a standard defined in the [European Telecommunications Standards Institute](#) (ETSI) Standard TS 102 361 parts 1-4. It has 3 tiers which are upgrades to DMR (much like upgrades to the program windows) that was introduced in 2005. Hams use **Tier II** Specifications. One of the specifications is two channels on the same frequency at different times. These are called **time slots**. The switching is so fast you have two different conversations at the same time. **Two-Slot TDMA:**

DMR Tier II/Tier III occupies a 12.5 kHz bandwidth that two channels share using Time-Division Multiple Access (TDMA). This results in spectrum efficiency of 6.25 kHz per channel. Which means your HT is transmitting a much shorter time so your battery lasts longer.

Talk Groups:

Talk groups are like chat rooms on the internet. A DMR talkgroup is simply a way of grouping many Radio IDs into a single digital contact. Or put another way, a talkgroup is a method of organizing radio traffic specific to the DMR users that all want to hear the same thing and not be bothered by other radio traffic on a DMR network that they are not interested in hearing.

Talkgroups can exist for many purposes. You can have talkgroups for countries, states, counties, regions, cities, special interest groups etc. Just about any group of DMR users could have a talkgroup assigned to them if they wished to organize traffic that they can all monitor and take part in, without having to talk to each other one by one.

There are two world organizations that manage talk groups. The two organizations don't get along very well. The way they interact changes all the time. They are **DMR-MARC** (Digital Mobile Radio-Motorola Amateur Radio Club World Wide Network) and BrandMeister DMR Master Server. I have not been able to find out much about the history of BrandMeister except that it is much newer than DMR-MARC. They both have lots of technical information on the internet. Just google them.

Color Codes: DMR repeaters use Color Codes (CC) much like analog repeaters use CTCSS (PL) or DCS. To access a repeater you must program your radio to use the same CC as the repeater. There are 16 different CCs (CC0- CC15). The use of Color Codes is not optional on DMR systems. If your Color Code is not set correctly, you will not be able to access the repeater. The only real purpose of using different Color Codes is when multiple repeaters operating on the same frequency have overlapping coverage areas.

Zones: User DMR radios support Zones. A Zone is just a grouping of individual channels.

Code Plugs: A code plug is simply a radio's configuration file. Using a manufacturer's programming software you configure the channels and operating parameters of a radio.

HOT SPOT: a device that allows you to access the internet Wi-Fi via a wireless phone frequency. You can get a "hot spot" program or device from phone companies only. It is also device that allows you to transmit your digital signal, VHF or UHF, and turn it into a Wi-Fi signal. Also called an Open Spot,

etc. There are lots of them made by many manufacturers. Remember it is a vhf or uhf radio signal to a Wi-Fi signal.

D-VAP: A D-Star hot spot

DMR radios: Be very careful and do your homework before buying a DMR radio. Remember business DMR radios have no front panel programming. Also if you buy a radio from China, you will not get help when you run into problems programming. The best suggestion is to buy a DMR radio from a Ham Radio Distributor. I got mine from BridgeCom Systems who does a nice job with customer service.

DO INFANTS ENJOY INFANCY AS MUCH AS ADULTS ENJOY DULTERY?

Yes, there will be a Wattsburg Hamfest

The Hamfest will take place July 11th. Cost is **FREE. Free Admission. Free Flea Market** to buy and sell. **Free** tables to use. You heard that right. The only money the club will make is on food. The time will be 7AM to Noon. It will be held at the Green Township Building at 9333 Tate Road, same place it was last year.

Amateur Radio Calendar

July 1 - RAC Canada Day Contest. See rac.ca/our-programs

July 2 – RAE Club meeting

July 4 – Independence Day

July 7 – Corry Club meeting

July 9 – Union City Wireless Club meeting

July 10 – Birthday of Nikola Tesla, born in 1846, discoverer of rotating magnetic fields.

July 11 – Wattsburg Hamfest

July 11 - HF World Championship. See arrl.org/iaru-hf-world-championship

July 14 – Wattsburg Wireless Club meeting

July 18 – VE Session at Green Township Bldg

July 18 - Batavia Hamfest. See <http://w2so.org>

July 18 - North American RTTY/Dig QSO Party, See www.ncjweb.com/naqp

July 20 – Conneaut Club Meeting

July 27 - RSGB FT4 Contest Series. See www.rsgbcc.org/hf