

The Dipole

Radiating the News of the Marple Newtown Amateur Radio Club

June 2008

Next Club Meeting: Thurs. June 5, 7 p.m. at The Gauntlett Center

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THE MEETING

The initials **FD** for many at this time of the year may be seen to be an abbreviation for the mid-month celebration for **Father's Day**. For a special group of area residents, their cherished abbreviation of **FD** translates to **Field Day**. This special, annual event will be held on the last full weekend in June, Saturday, June 28 and Sunday, June 29. This important date in communication activities is **Field Day**, the annual evaluation of the Amateur Radio community's capabilities to provide emergency communications.

Using self-provided, emergency electric power, the volunteers -- men and women of all ages -- assemble a collection of their personal communications apparatus. These transmitters, receivers, or transceivers are connected to what the unknowing public may see as "skyhooks."

These wire antennas are supported by the natural growth of trees that dot the Drexel Lodge Park area along West Chester Pike. These antennas will aid in launching an anticipated high number of Amateur Radio exchanges both inside the United States and participating Ham Radio operators throughout the world.

The 24-hour practice operation includes more than just radio contacts. Just like an army, these non-uniform soldiers of communications will be well fed. The list of activities and the staffing done by these volunteers include a menu that resembles a 4-Star eatery. No ham and cheese sandwiches for the main fare consumed by the **Field Day** participants.

More details and a welcomed 6-foot Hoagie will add to the annual preparedness meeting of members of the Marple Newtown Amateur Radio Club and

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The Dipole

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Meetings, Nets, and Packet BBS

Monthly Club Meetings: First non-holiday Thursday,
7:00 p.m. at the Gauntlett Center in Newtown Square,
Delaware County. Talk-in: 147.195 repeater
Daily Weather and Information Net: Every morning at 8:30
a.m. on 147.195 repeater
Club Web Page (including online version of *The Dipole*):
<http://mnarc.org>
Delaware County ARES Net: Every Wednesday at 19:30 local

The Meeting from Cover

Ham Radio staffers from other Delaware County-based radio clubs.

Other participating groups scheduled to contribute to this year's program include the Delaware County Amateur Radio Association, the Mobile-Sixers, the Boeing Amateur Radio Club, and the Delco Dug, digital users group.

The 7 p.m., Thursday, June 5 meeting will be held at the Robert Gauntlett Community Center, Media Line Road, near West Chester Pike, Newtown Square. For more information, please contact Marple Newtown Amateur Radio Club president, Walter Faust, **610-622-2200**.

HamFest and Computer Fair

Sunday, July 13, provides an opportunity that occurs only once a year. The neighboring Mid-Atlantic Amateur Radio Club will once more sponsor the Valley Forge HamFest and Computer Fair at the Kimberton, Pennsylvania Fire Company Fairgrounds. This spacious location will have available both indoor and outdoor sales and buying locations. The location of this annual event is on PA Route 113, south of its intersection with PA Route 23.

The INSIDE tables with electricity will be available for this Rain-or-Shine annual event. These tables have two pricing categories and exhibitors are reminded these table charges do not include admission to the Sunday gathering. Mike Pilotti, KF3CD, 212 Amanda Lane, Phoenixville related that these protected sales venues come in table groupings of 1-4 at \$10 each. A grouping of 5 or more tables are individually priced at \$8 each.

Sellers are admitted to the Park at 7 a.m. following their payment of the \$6 Tailgate Space fee and they will be directed to well-labeled outdoor locations. Vendors are reminded they must also purchase an admission charge as well. These selling spaces are one car-width in size and the vehicle will do head-in parking. Additionally, there will be no reserved tailgate spaces and there shall be NO ADVANCED TAILGATE SALES.

Buyers will be admitted at 8 a.m. after paying the \$6 Admission fee. An unlicensed spouse and children of a licensed Amateur Radio are admitted with no Admission fee.

For indoor table reservations, contact Mike Pilotti, KF3CD, 212 Amanda Lane, Phoenixville, Pennsylvania, 19460. His telephone number is 610-935-4429. Reservations may also be initiated through e-mail: reservations@MARC-Radio.org

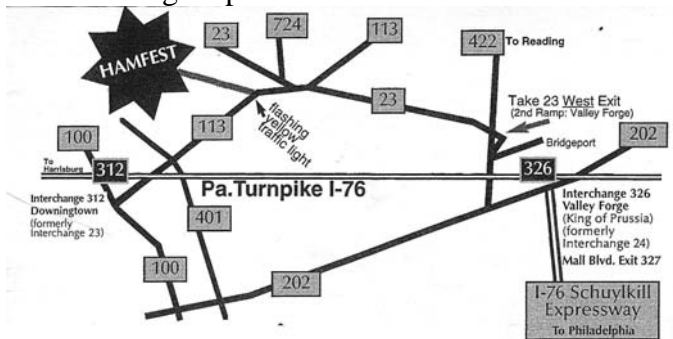
Additionally, both 'snail mail' and e-mail contact methods exist. For traditional mail, write MARC, P.O. Box 2154, Southeastern, Pennsylvania

19399. Electronically, contact data maybe obtained via HamFest-Info@MARC-Radio.org or the group's Web Page, www.marc-radio.org/hamfest.html

The talk-in frequencies for the event are 145.13 MHz, minus and a CTCSS of 131.8 or 147.06 MHz, plus and a CTCSS of 131.8

The sole availability of food and beverages will be through vending authorized by MARC.

For information on driving to this event, refer to the following map...



ARRL Teachers Institute Off to a Great Start

The phrase, "Build them a field and they will come," while once a phrase associated with a movie, continues to have contemporary impact. This was recently demonstrated with the completion of the first of six American Radio Relay League (ARRL) Teachers Institutes scheduled for 2008

This initial special learning session ended on April 10. It was hosted by the Museum of Science & Technology in Tampa, Florida. The 11 participating teachers departed, enthused, and learned with a collection of innovative ideas to improve their classroom instruction.

The Director of the ARRL Teachers Institute on Wireless Technology has stated the program, a four-day institute, will focus on applications dealing with the science of radio and other topics, Mark Spencer, WA8SME, added this program will bring space technology "into the classroom."

This program will deal with micro controller basics and the basics of robotics that emphasizes the appropriate basic concepts, but also teaching strategies to bring those concepts into the classroom."

In an additional description, Spencer said the Teachers Institute curriculum is an ever-evolving process. He stressed, "This year, a radio telescope project was added that can be used to demonstrate the fundamentals of radio astronomy. The "Soldering 101" unit was enhanced with the addition of a 24-hour clock kit that the teachers construct and learn how to solder in the process. Finally, a BOT Instructor's Board was added to enhance the teacher's ability to instruct basic robotics."

In a further explanation of this process, Spencer said he designed and developed the BOT board to "tie all the different pillars of the Teachers Institute into one umbrella activity that teachers can use to pull the school year together. The board also can be used to instruct the individual components of robotics, as well as instruct TV remote technology."

The ARRL's Spencer said he added an ATV component with the board: "There is a lot of stuff going on with this particular resource."

Educators observing the review of this program were pleased to learn the Teachers Institute isn't all inside classroom work. The participating teachers are also involved in a foxhunt activity. The ARRL information stated the teachers also take part in ham satellite QSOs and observe the collection of satellite imagery transmitted by NOAA satellites -- just as they can do in their classrooms.

The following are a few comments drawn from the first 2008 Teachers Institute participants. They are summarizing their experiences:

"One of the other teachers in our Academy of Engineering and Design Technology class has applied to attend the Teachers Institute in Dayton this summer. She is excited about the class after hearing of it and seeing my show-and-tell session."

"We are working on robots now in my class and will be well entrenched by the end of this school year. Next year promises to be fun and exciting for the students. The Teachers Institute was a great experience, and the personal tutelage was responsible for making it so."

"Wonderful doesn't begin to describe it. I knew the basics of radio communications and transmission through electromagnetic

waves, but I now understand it better than I ever have. The robot was very cool – it reinvigorated my love of programming. It only took me four attempts to run the maze perfectly! I also made many contacts that I will use to help throughout my teaching career!"

"The instructor is great, absolutely great -- proof that if you do what you love, you'll love what you do!"

"Thanks again for the wonderful experience. I am looking forward to implementing what I learned in the classroom. Please let me know if you will be offering any follow up institutes."

This verbalized good start has resulted in what some observers have viewed as a good start. To add to the favorable observations of this program, the remaining 2008 Institutes are just about filled to capacity. In describing this success, Spencer advised in early May that the interest in this program will possibly result in an over-enrollment. He added, "If you can't make it this year, perhaps next year. We are adding two additional instructors in anticipation of expanding the program in the future."

Five more Teachers Institutes have been scheduled for 2008; they are the following:

- June 16-19 in Rocklin, California at the Parallax Facility.
- June 25-28 in Tucson, Arizona at Pueblo Magnet High School.
- July 14-17 in Dayton, Ohio at P&R Communications
- July 28-31 in Newington, Connecticut at ARRL Headquarters
- August 4-7 in Newington, Connecticut at ARRL Headquarters

The League announcement stressed that the enrollment in these four-day expenses paid sessions is limited to 12 participants each. Application deadline is May 15, 2008. Applicants must be an active teacher at elementary, middle or high school level, or hold a leadership position in an enrichment or after-school program; an Amateur Radio license is not required. For more information, please visit

the Teachers Institute Web site <<http://www.arrl.org/FandES/tbp/ti.html>>.

Local observers acknowledge a program of this type requires a major commitment on the part of a cadre of dedicated instructors, as well as the necessary support by the funding school district. There has been an alternative suggestion that states a greater acceptance may be obtained through a more cautious, smaller time commitment. The current funding and an already ambitious educational schedule may result in less-than favorable, initial acceptance.

New Allocation for Japanese Hams

The news that Japanese Amateurs Radio operators will receive more privileges on the 75/80-meters band was recently announced by Japan's Ministry of Internal Affairs and Communications (MIC). This list of Japan's Frequency Allocations and the Japanese Amateur Band Plan can be viewed below, as well as http://www.jarl.or.jp/English/6_Band_Plan/JAband_plan.pdf are seen as amended.

As was stated in the announcement provided by the JARL, Japan Amateur Radio operators have been given more privileges on certain frequency blocks in the 75/80 meter band. Japanese amateurs are now allowed to operate the following additional frequencies on the 75/80 meters:

- 3.599-3.612 MHz
- 3.680 to 3.687 MHz
- 3.702-3.716 MHz
- 3.745-3.747 MHz
- 3.754-3.770 MHz.

These changes took place on April 28, 2008 and the Band Plan allocated for Japanese Ham Radio operators has been established in the following groupings:

- 3.500-3.520 MHz CW only
- 3.520-3.525 MHz Digital Mode and CW
- 3.525-3.575 MHz CW and Phone
- 3.599-3.612 MHz CW and Phone
- 3.680-3.687 MHz CW and Phone
- 3.702-3.716 MHz CW and Phone

3.745-3.770 MHz CW and Phone
 3.791-3.805 MHz CW and Phone .

ARRL Membership Services Manager Dave Patton, NN2N, volunteered the anticipated benefits for United States Amateur Radio operators. He stated, "This makes it a bit easier for US amateurs to make contacts with Japanese amateurs, especially in contests, since Japan does not have phone privileges on the 160 meter band."

Patton added, "These new privileges will also make it easier for DXpeditions to work Japan."

Preliminary Plans for Field Day

A part of the success of Field Day is the game plan for both apparatus and operations. The following collection has been provided by one of the Delaware County's combined operational group assets, Jim Miccolis, N2EY

- 1) Food to be located in northwest corner of gazebo (as previously)
- 2) Class to be 3A + VHF
- 3) Station #1 is N3NZ's CW setup as used in prior years, with N3IUT's off-center-fed dipole across the soccer field. The site of this station will be in the northeast corner of gazebo. N3IUT's natural-power setup will be used to make the natural-power bonus during the beginning of FD (6 QSOs)
- 4) Station #2 is the voice setup used last year (IC-746 IIRC). It will be located in the southeast corner of gazebo and it will use a full size G5RV (to be obtained) that will be supported between pine trees and trees down the hill.
- 5) Station #3 to be WU3U's truck station, with the club TS-450S as alternate/backup. This station will be located near the southwest corner of gazebo. It will use a full-size G5RV antenna supported by nearby trees.
- 6) At the time of the last large-scale meeting, the identity and apparatus for the VHF station had not yet been determined.
- 7) Power for rigs from W3JEF's motor home, to be parked near washrooms. Computers and other accessories are scheduled to be powered by commercial power (rules only require the radios

to be on generator). Power cable will be run overhead to the gazebo.

- 8) Computer logging will be done using N3FJP software. Network cables from last year should be in clubroom; KB3GNL & N2EY will bring cable-making supplies if more are needed.
- 9) Antenna ropes to be put up on Friday evening before FD.
- 10) No more than one station on a band at any time. "Band cards" with CW on one side and phone on the other to be kept near network hub. To transmit on a band you must have that band card.

The next general meeting will be held on meeting night, June 5, and it will be held at the meeting location, the Gauntlett Center, Media Line Road, near West Chester Pike, Newtown Square.

The WX and Info Net

During a recent Marple Newtown Weather and Information Net, Weekday Ringmaster Jeff Lynch W3JEF announced the total of the contacts he has accumulated during his weekday Net Control activities. This spawned a query about other details about this informative, entertaining, and weather gathering.

Jeff Lynch began with the history of this daily activity. The net was begun in 1991 by the legendary Bill Richards, W3FTZ, SK. Bill ran this morning net until his death. At that time, the Net responsibilities were taken over by current Net Manager Neil Griffith, W2GTV. Jeff Lynch took over the reigns of the weekday activities in November 2006 upon his retirement.

One of the tools in the ongoing successes of this well-attended, morning radio gathering is its flexibility. In its original format, the net began at 8:30 each morning. To provide an opportunity for work-bound drivers, the Net's starting time was moved to 8:25 a.m. to address their needs.

Another example of the Nets flexibility is found at the completion of each day's activities. Instead of a formal ending time, the "rule of the road" states the Net will run until there is no more check-ins. Recently, this translates to a range of Net-closings from 9:30 to 10:15 a.m. Lynch added, "It is typical

to have between 10 and 20 check-ins on any given day.”

Continuing his description of the daily activities, Net Control Jeff Lynch, added, “Most of these are regulars who manage to check in 13 to 20+ times a month. The rest are more casual check-ins.”

When Net Control Lynch must vacate his weekday role, two helpers very ably back him up. They currently include Tony D'Andrea, KB3ONE and a newcomer, Dan, Burch, K9DNK. Their skills and loyalty was recently demonstrated with the Lynch family were away for a combined family wedding and some much-deserved camping rest.

The computer-assisted log created and maintained by Net Control Lynch permits a rapid and accurate history of check-ins and individual activities. He stated, “We had about hams who checked the first few months for about 130 individual contacts. By the end of 2007, we had managed to get 215 hams to check in for an annual total of 2682 contacts. Now in May of 2008 we have logged 250 hams since the beginning of the log in 2006 and have already had 1274 contacts this year.”

The growth of the Newtown Square Weather and Information Net continues. Traveler who have checked-in while passing through the region have helped spread the word about this Amateur Radio experience. When propagation permits, the participants grow. Jeff Lynch explained, “We have had check-ins from all over the eastern seaboard due to some fortuitous openings.”

Examples of the extended coverage-produced include areas “. . . . that have had contacts on openings include as far south as Petersburg, Virginia; and as far north as South Boston, Massachusetts. In between we have had contacts from Annapolis and Frederick, Maryland; Alexandria, Virginia; Riverhead, New York (east end of Long Island); and Liberty, New York, in the Catskill Mountains, and other locations.”

The weekday Weather and Information Net now runs year-round every weekday with the exception of Christmas morning and New Years Day morning. This change was done to help prevent a rebuilding of the Net that formerly occurred when there was a summer hiatus.

For the many workers who cannot join the Net during the traditional workweek, there is also an

extension of the Net that is run on the weekends by John, MC GONIGLE, N3SMH. This weekend gather of the Newtown Square Weather and Information Net is aired almost every Saturday and Sunday from Labor Day to Memorial Day and then shuts down for the summer.

The Team Effort Counts

As has been successfully demonstrated in the past few years, a team effort has shown that when individual group identities are set aside and a true group effort is done; the success of the effort is increased. This concept was cited when Japanese poet Ryunosuke Satoro stated, “Individually, we are one drop. Together, we are an ocean.”

As the set up is accomplished and the anxiety of the beginning of Field Day 2008 approaches, the thoughts of Margaret Carty can become an inspiration. She stressed, “The nice thing about teamwork is that you always have others on your side.”

The primary goal of this last full weekend in June is to have fun. This fun can also produce a collection of experiences that can be a valuable set of memories should there be the stress of a real emergency. While the college football season is some time away, Penn State’s Joe Paterno’s advice can become yet another inspiration. His views of teamwork spawned this statement, “When a team outgrows individual performance and learns team confidence, excellence becomes a reality.”

Enjoy the fun and lessons of Field Day 2008.

Mind-Bending Riddles

This is a collection of five good riddle. The answers will appear elsewhere within this issue of the eDipole. Be aware of the special status of the fifth riddle. As we prepare for the summer and the absence of the eDipole, use this test as a way to create some expanding thinking. These riddles will sharpen the brain and your thinking process.

1. A murderer is condemned to death. He has to choose between three rooms. The first is full of raging fires, the second is full of assassins with loaded guns, and the third is full of lions that

haven't eaten in 3 years. Which room is safest for him?

2. A woman shoots her husband. Then she holds him under water for over 5 minutes. Finally, she hangs him. But 5 minutes later they both go out together and enjoy a wonderful dinner together. How can this be?
3. What is black when you buy it, red when you use it, and gray when you throw it away?
4. Can you name three consecutive days without using the words Wednesday, Friday, or Sunday?
5. This is an unusual paragraph. I'm curious as to just how quickly you can find out what is so unusual about it. It looks so ordinary and plain that you would think nothing was wrong with it. In fact, nothing is wrong with it! It is highly unusual though. Study it and think about it, but you still may not find anything odd. But if you work at it a bit, you might find out. Try to do so without any coaching!

Hurricane Season

Even though the local weather was flirting with cooler temperature, the hopes for a string of warmer days were being shared. One must be careful for what he or she wishes. With warmer weather, comes the advent of possible severe storms. This time of the year, severe storms equates to possible hurricanes.

National forecasters are stating this year's hurricane season is likely to be busier than average. The forecasts call for a 60 to 70 percent chance of 12 to 16 named storms developing in the Atlantic. From these tropical depressions and the rain and wind, this year's predictions also call for six to nine hurricanes and of this number, two to five major hurricanes will result.

An average hurricane season traditionally has 11 named storms. This amount of activity normally results in six hurricanes of which two become major storms with a strength of Category 3 or higher.

Forecasters have used a collection of factors that have become influential in each year's predictions. These factors include a combination of ocean and atmospheric conditions. This information has been used as tools that scientist feel have spawned increased hurricane activity since 1995. In addition

to the use of these tools, the observers are also citing the anticipated lingering effects of La Niña.

Gerry Bell, lead seasonal hurricane forecaster at NOAA's Climate Prediction Center has noted, "One of the expected oceanic conditions is a continuation since 1995 of warmer-than-normal temperatures in the eastern tropical Atlantic. Americans in hurricane-prone states must get serious and be prepared."

Thursday's NOAA forecast is similar to earlier predictions by two independent groups of hurricane experts who had earlier also predicted a busier-than-average season.

NOAA administrator Conrad C. Lautenbacher said that even if the federal forecast is off, "it only takes one to make it a bad season."

Amateur Radio operators and persons in the possible path of hurricanes must understand that an outlook is only a general guide to the overall seasonal hurricane activity. These predications do NOT forecast if any storms will hit land or if they do endanger land, where or when such landing many take place. It is the responsibility of the National Hurricane Center to share this information. Any predictions of this nature will be forecast only after a storm forms.

When members of the Marple Newtown Amateur Radio Club and their partners share in this year's Field Day exercise, they are practicing for any possible storm activities that may come to our area, storms that may endanger our neighboring New Jersey coastal areas, or to become relay stations should propagation demand our assistance.'

For every year, there is a pre-approved list of names for tropical storms and hurricanes. These lists have been generated by the National Hurricane Center since 1953. At first, the lists consisted of only female names; however, since 1979, the lists alternate between male and female.

Hurricanes are named alphabetically from the list in chronological order. Thus the first tropical storm or hurricane of the year has a name that begins with "A" and the second is given the name that begins with "B." The lists contain names that begin from A to W, but exclude names that begin with a "Q" or "U."

There are six lists that continue to rotate The lists only change when there is a hurricane that is so devastating, the name is retired and another name is chosen as a replacement in this rotating list.

1954
Carol
Hazel
1955
Connie
Diane
Ione
Janet
1957
Audrey
1960
Donna
1961
Carla
Hattie
1963
Flora
1964
Cleo
Dora
Hilda
1965
Betsy
1966
Inez
1967
Beulah
1968
Edna
1969
Camille
1970
Celia
1972
Agnes
1974
Carmen
Fifi
1975
Eloise
1977
Anita
1979
David
Frederic
1980
Allen
1983
Alicia
1985

Elena
Gloria
1988
Gilbert
Joan
1989
Hugo
1990
Diana
Klaus
1991
Bob
1992
Andrew
1995
Luis
Marilyn
Opal
Roxanne
1996
Cesar
Fran
Hortense
1998
Georges
Mitch
1999
Floyd
Lenny
2000
Keith
2001
Allison
Iris
Michelle
2002
Isidore
Lili
2003
Fabian
Isabel
Juan
2004
Charley
Frances
Ivan
Jeanne
2005
Dennis
Katrina

Rita
 Stan
 Wilma
2007
 Dean
 Felix
 Noel

Deer and Danger

While drivers must keep an active eye when they drive both during the day and after dark, the dreaded deer can also be a hazard in other places and other ways. Bambi and friends can be a danger even in the back yard.

Viewing this scene helps explain why the subject line in a recent e-mail declared, "Trampolines are dangerous in Michigan." In a different time of the year, such a vision can indeed be dangerous. During hunting season, this trampoline scene would indeed be dangerous to the deer."



Erase Thyself (with Help from a Friend)

If anyone ever wondered about the security of the sensitive data that many observers felt could be stored on the BlackBerry cell-phone devices that may be used by key government official, a recent series of events provided an answer. Through yet another example of available technology, a BlackBerry that has become compromised through theft or misplacement can be rendered useless.

A description of a series of rapid events following an alleged theft of a White House smart phone provided that answer. The result of this

phone's disappearance was a remote command that turned the missing device into a brick. This command erased the stored data and severed all connections.

This revelation was the product of the disappearance of an undocumented collection of these phones that were unable to be found.

While there was some differences in the stories behind the "how and why" the BlackBerry cell phones were not where accountable, the response to their disappearance was verified. It was reported that when a device of this nature is compromise, the device could be rendered totally useless.

It should be noted that BlackBerrys are widely used by the U.S. government, and a variety of security features, including this one, explain why it's allowed to be used and why it's so popular.

Reports also stress that a similar capability is a part of Apple's iPhone strategy: their iPhone 2.0 software will add a host of enterprise-related smartphone features, including server-based email push, but also remote bricking

A Test of Minds

This small quiz entitled, "Only great minds can read this," comes from a frequent contributor to the eDipole. Dennis Stacey, a skill writer from Sussex, England, indeed qualifies and his efforts to enhance this Marple Newtown Amateur Radio Club publication are greatly appreciated.

Only **great minds** can read this.

fi yuo cna raed tihs, yuo hvae a sgtrane mnid too.

Cna yuo raed tihs? Olny 55 plepoe out of 100 can.

i cdnuolt blveiee taht I cluod aulacly uesdnatnrd waht I was rdanieg. The phaonmneal pweor of the hmuan mnid, aoccdrnig to a rscheearch at Cmabrigde Uinervtisy, it dseno't mtaetr in waht oerdr the ltteres in a wrod are, the olny iproamtnt tihng is taht the frsit and lsat ltteer be in the rghit pclae.

The rset can be a taotl mses and you can sitll raed it whotuit a pboerlm. Tihs is bcuseae the huamn mnid deos not raed ervey lteter by istlef, but the wrod as a wlohe. Azanmig huh? Yaeh and I

awlyas tghuhot slpeling was ipmorantt! If you can
raed tihs yuo aer a skellid perons.

The Dash

In July 2006, a short 3-minute movie was launched on the Internet called The Dash. Since then, over 40 million people from around the world have watched it; and over 20,000 a day continue to watch it as a result of people passing it along.

The movie has been more successful than we could have ever imagined. More importantly, however, it has inspired many, many people to reflect on their lives and ask that all important question, 'Are my priorities where they should be?'

To view this move, visit
<http://www.dashpoemmovie.com>

The Answers to the Riddles

These are the answers to the riddle found elsewhere within this issue of the *eDipole*. The staff hopes you found these riddles to be both enlightening and enjoyable.

1. The third room. Lions that haven't eaten in three years are dead. That one was easy, right?
2. The woman was a photographer. She shot a picture of her husband, developed it, and hung it up to dry (shot; held under water; and hung).
3. Charcoal, as it is used in barbecuing.
4. Sure you can name three consecutive days, yesterday, today, and tomorrow!
5. The letter e, which is the most common letter used in the English language, does not appear even once in the paragraph.

How did you do?

See you at Field Day and September.

Tag Lines

When one reads verbiage such as "Artists that jog usually become great panthers," "Saps: found in

a log of family trees;" and "Flying saucers are sometimes seen in the kitchen," they become a part of select group. They are a part of growing population that has found Salada Tea taglines have given them a laugh and lift from both the tea and the messages found on the tags of the tea bags packaged in 48-count regular- and decaffeinated-black tea containers and 100-count regular black tea containers.

The intent of these taglines is to give the drinker a little something "extra" while enjoying their soothing cup of tea.

In the long history of tea, these taglines are a rather recent occurrence. The concept and the original list of sayings is the invention of Salada employee John W. Colpits. His motivation was to provide tea drinkers with something to ponder while waiting for their tea to steep. It was Mr. Colpits' interest in quotations and sayings that helped. He was a man of polished speech and it was said he always knew the right words to express exactly what he meant and did so very well.

A part of this capability was his longtime interest in sayings; he had what was described as an enormous collection that came from everywhere. This became the foundation for his tagline messages.

Since this beginning, Salada has run several different series and they have printed over 30 billion taglines. The Colpits collection has been expanded through the contributions of other employees, as well as advertising copywriters and other sources.

The research of this tagline collection also unearthed some other interesting tea information. While other parts of the tea-drinking world have for generations been tea gourmards, Americans traditionally are less learned in the many varieties of tea.

According to Chinese legend, the story of tea began in 2737 BC. This tea history states that Emperor Shen Nung, who was known as the "Divine Healer", always boiled his water before drinking it. He had observed that those who boiled their water had better health. One afternoon, as he knelt before his boiling water, some leaves from a nearby tree blew into the water. The Emperor noted a delightful aroma and, upon sipping the beverage, proclaimed it heaven sent. That first cup has been identified as "green tea."

The growth of tea continued as it migrated to Japan. It was the world merchants, the Dutch, which brought tea to Europe and in 1650 also to Dutch America. The East India Company brought tea to the England and in 1721, this English world corporation was granted a monopoly of all tea imported into the British Empire.

With prices of Initially \$30 to \$50 a pound, this expensive drink was initially only available for royalty and the upper class. Today's formulary states one pound of tea would have amounted to about 200 tea bags.

Americans have their own tea history. This history has as a part of its unique history the high taxation of tea that spawned the famous Boston Tea Party and that event's contribution to American independence. Another historic tea fact was America's invention of iced tea. It was at St. Louis' Louisiana Purchase Exposition in the summer of 1904 that the extremely hot weather resulted in the lack of hot tea sales being reversed when the tea was served with pieces of ice. This innovative drink became an instant hit.

Some Tea Facts

Black tea and orange pekoe tea are often interchangeably used to describe the same thing. Orange Pekoe is the term that describes the cut of the tealeaf. Black Tea is the term to use when describing the type of tea often referred to as 'regular' tea.

Green tea is another form of popular American tea. This tea uses the green of the Camellia Sinesis plantlike. Unlike black tea, the green tea leaves are steamed or baked shortly after being plucked.

Black tea is oxidized, or as some technologist say, "fermented." It should be noted the non-fermented green tea are therefore very similar to the natural leaves from a tea bush.

The newest tea in the growing lexicon of American tea drinking is white tea. This tea variety comes form the same plant as the other teas, but it is made from leaves that are harvested before these leaves are fully opened. These buds are still covered by a fine, white hair-like substance. This appearance, therefore, provides the name. White tea is scare and this dictates its higher cost.

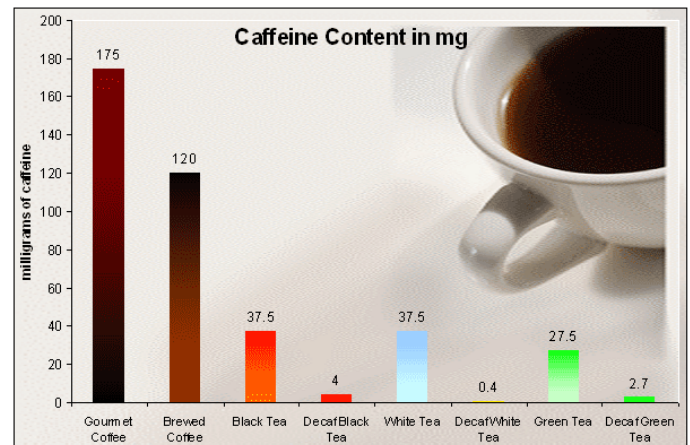
Because young leaves and the bud make the best tea, hand plucking is the preferred method. Almost all of the world's green tea is produced in either

China or Japan. China alone produces almost ninety percent of the world's green tea.

Tea technologists strongly state that herbal tea is really not a tea. These drinks contain no tea; instead, while they may be brewed like tea, they are actually made from herbs and fruit ingredients.

Caffeine in tea

Some critics of tea drinking frown at the caffeine in tea. The following graph provides information on the caffeine contents in both coffee and tea.



The New Non-Knife Substitute for Cutting

There is a new form of a corrective medical procedure that uses current technology to first target tumors and lesions that previously were inaccessible. The literature uses the encouraging term, "small." If these unwanted growths are identified and "eliminated" while small, the medical outcome and outlook has a great chance to be favorable.

This new tool for tumor removal is indeed state of the art. Called the CyberKnife®, this effective alternate for other more invasive procedures is currently the only FDA-approved, completely Robotic Stereotactic Radiosurgery System that, according to the accompanying literature, "is the only systems of its type that targets and destroys small and previously inaccessible tumors or lesions anywhere the body."

Because this is a non-invasive "operation", CyberKnife® has in many instances proven to be an

effective alternative to surgery or conventional radiation. Included in the list of possible applications calls for treating vascular abnormalities,

Because of its type of operation, CyberKnife® gives renewed hope and the possibility of a better quality of life. This optimistic outlook has been associated with for patients with tumors previously diagnosed as inoperable, and for those who have already received the maximum amount of radiation through other treatment methods.

How the CyberKnife Works

Using image guidance cameras, CyberKnife® incorporates a lightweight linear accelerator mounted on a robotic arm. Through the accuracy of the image guidance cameras, the CyberKnife® system accurately locates the position of the tumor. Real-time imaging provides a special benefit. It allows for patient movement, as well as tracking with sub-millimeter spatial accuracy. A part of its effectiveness is centered upon multiple radiation beams that enter the body from different targeting positions and angles. All the beams intersect within the tumor or lesion. These individual beams provide a cumulative dose that is sufficient to destroy the targeted cancer cells.

The pinpoint precision and the accumulated radiation concept permits the surgeon to deliver multiple radiation doses with millimeter accuracy AND does the radiation with both accuracy and dose levels that minimizes radiation to surrounding healthy tissue. This extraordinary flexibility allows the surgeon to reach and treat tumors at body sites often inaccessible with other radio surgery systems

The Synchrony System that incorporates a robotic delivery system works with motion-tracking software. It is this software that assures the accuracy as well as the capability to “hit a moving target.” The robot will detect the motion and compensates in ‘real time.’ This enables the radiation to accurately hitting the target during the treatment.

The flexibility of CyberKnife® provides the capability for radiation to enter the tumor from over 1200 different angles. It is this form of super-accurate beam control that permits malignant or benign tumors to be destroyed without damaging critical healthy tissue.

Problems in the Big Dig

One of the more storied and troubled construction projects in the eastern part of the United States, if not the entire nation, has made the news one more time. The project is one that connects downtown Boston and the region’s busy Logan Airport. Affectionately called the “Big Dig,” the roadway is the newest element with the 138-mile long Massachusetts Turnpike.

The 138-mile long, Interstate 90, spans Massachusetts from West Stockbridge on the New York border to Logan Airport/Route 1A in East Boston.

The Turnpike is actually two highway systems, with one being the Mass Pike. This toll road opened in 1957. This roadway is 123 miles of modern highway running between the western, New York border and Interchanges 14 and 15, Route 128 and Interstate 95. The newest element is a 15-mile connector that extends the roadway through Boston in an expanded, underground roadway and a new tunnel. The eastern terminus of this newer roadway is Boston’s Logan Airport/Route 1A.

One of the problems that has been addressed by this largely urban highway was a over-utilized and deteriorating, elevated highway that was both far from adequate and had negative effects on the economy of this busy New England community

The planned cure saw the six-lane, elevated highway replaced by and eight- to ten-lane underground expressway. The new vehicular path was constructed directly below the older, elevated roadway.

One of the planned contributions to better vehicle movement was a two-bridge, 14-lane crossing of Boston’s Charles River.

Despite a seemingly endless collection of problems and delays, the underground highway was opened. The remnants of the dilapidated and dangerous elevated roadway were demolished and the resulting open land has been designated for parks and other development projects.

Also included in this extension of I-90 was a tunnel running beneath South Boston and Boston Harbor and ending at the Logan International Airport. This four-lane tunnel was named for Boston’s Ted Williams.

In addition to a collection of stories telling of falling concrete panels and multiple leaks, there was another problem. The trip through the tunnel meant a blackout of cellular communications.

This problem has introduced yet another saga in the ongoing I-90 chronicles. The trip through the tunnel meant a blackout of cellular communications.

This problem was not a surprise. Engineers thought ahead when they spent millions of dollars constructing a series of hidden compartments in the interior skin of the tunnel. These compartments were installed for the future; they were to hide unsightly cables for utility cables. Included in this collection were the cables for cell phone antennas.

The growing dependence upon cellular communications has resulted in the long-sought wiring of the underground for antenna. They cell phone companies have, however, bypassed the ready-made ducts. Instead they have begun driving holes into the already-leaking walls of the \$15 billion system that was constructed to house the collection of cables. The Massachusetts Turnpike Authority, which runs the tunnels, at one time valued this duct system at \$13.9 million. Now, it will be largely unused.

There are several reasons why this expensive duct system is being ignored. One reason cited by the turnpike officials is that these conduits are too narrow in places to fit the cellular cables inside them. The cell phone companies have volunteered another reason, one that is independent of the size problem. They say it is actually cheaper to do the job without using the pricey ducts. A third reason, one that cannot be ignored by the competitive cell market is the cost. The Big Dig officials wanted to charge them too much money to use these ducts.

This last item has played a role in the years-long delay in bringing cell phone service into the tunnel system. There was a "tug-of-war" that became a contributor. The Turnpike Authority tried to recoup the cost of the conduits in the form of rent money from the cell phone companies. It was then that the cell phone companies said they don't need the conduits and they have adamantly refused to pay. The cell phone companies initially seemed to have won.

The current wiring project, which depends on epoxy to hold the bolts in place, was so innovative

that federal highway officials initially declined to approve it. They questioned this technique for several reasons. One objection focused on whether this technique would put too much stress on the walls. It was an epoxy failure that was blamed for the fatal ceiling collapse in 2006.

The federal officials eventually approved this specific method for the wiring. They acknowledged the walls could support the weight of the cables.

In a defense of the initial duct system, officials have recently stated this system was not a waste of money. They said that the ducts were built to adapt to technologies 20 to 30 years in the future and that they may still be used for lighting, electrical work, or safety projects.

It has been acknowledged that a part of the failure to meet the legislated 2006 deadline and because of the duct and wiring concerns, the project continues to fall behind schedule. Cell phone companies are no longer willing to make a public promise as to when they will finish installing cell service.

Mark Elliot, a Sprint spokesperson representing AT&T Wireless, Verizon, and T-Mobile, the other companies involved in the project, explained this lack of a promised completion schedule. He stated, "There has been significant progress to date, given the many complicated logistics of installing telecommunications in the world's most complex and extensive tunnel system."

Don't Be Fuelish

Many people are reluctant to use their vehicle's air conditioning because of its negative impact upon gas mileage. There is no doubt; car or truck air conditioning does consume some of a vehicle's "horses." This reality was begun in an era that today is history. One of the more dramatic examples of historic horsepower erosion because of the use of air conditioning was the Volkswagen and its anemic engine.

The modern cars continue to rob horsepower, but in no way like the "good old days."

Newer technologies and more efficient designs are married to car designs that include better insulation and sound- and heat-transfer resistant glass that also is more efficient.

Many nay sayers will not address the inefficiencies that occur when the modern, aerodynamically designed cars are driven with a window or windows that are either partially or fully down. The designed, mileage-saving designs are defeated by the use of windows. If drivers and passengers want some degree of cooling and not use the air conditioning, the use of the vehicle's flow-through air handling is an economic alternative to "cranking down the windows."

Validating the concept of air conditioning versus windows being lowered, David Champion, head of auto testing for Consumer Reports reports: "At most speeds and in most vehicles, A/C use drains slightly more fuel than driving with the windows down."

The seemingly universally agreed-upon advice stresses, The best choice - if temperature and humidity allow - is to keep the windows rolled up and to turn the A/C compressor off. Use the car's fan to help in increasing the flow of air in the car. This will maintain the aerodynamic design while also aiding in lowering the real and perceived air temperature.

The News from Harrisburg Is All Wet

This is reported to be an actual letter sent to a man named Ryan DeVries. The reason for the initial letter dealt with a pond on his property. It was sent by the Pennsylvania Department of Environmental Quality, State of Pennsylvania. This recipient's response is hilarious, but read the state's letter before you get to the response letter.

.....
Pennsylvania Department of Environmental Quality
Commonwealth of Pennsylvania

Ryan DeVries
2088 Dagget Lane
Trout Run, Pennsylvania.

SUBJECT: DEQ File No.97-59-0023; T11N;
R10W, Sec. 20; Lycoming County

Dear Mr. DeVries:

It has come to the attention of the Department of Environmental Quality that there has been recent unauthorized activity on the above referenced parcel of property. You have been certified as the legal landowner and/or contractor who did the following unauthorized activity: Construction and maintenance of two wood debris dams across the outlet stream of Spring Pond.

A permit must be issued prior to the start of this type of activity. A review of the Department's files shows that no permits have been issued. Therefore, the Department has determined that this activity is in violation of Part 301, Inland Lakes and Streams, of the Natural Resource and Environmental Protection Act, Act 451 of the Public Acts of 1994, being sections 324.30101 to 324.30113 of the Pennsylvania Compiled Laws, annotated.

The Department has been informed that one or both of the dams partially failed during a recent rain event, causing debris and flooding at downstream locations.

We find that dams of this nature are inherently hazardous and cannot be permitted.

The Department therefore orders you to cease and desist all activities at this location, and to restore the stream to a free-flow condition by removing all wood and brush forming the dams from the stream channel. All restoration work shall be completed no later than January 31, 2008.

Please notify this office when the restoration has been completed so that a follow-up site inspection may be scheduled by our staff. Failure to comply with this request or any further unauthorized activity on the site may result in this case being referred for elevated enforcement action. We anticipate and would appreciate your full cooperation in this matter. Please feel free to contact me at this office if you have any questions.

Sincerely,

David L. Price
District Representative and Water Management
Division

.....
Here is the actual response sent back by Mr. DeVries...

2088 Dagget Lane

Trout Run, Pennsylvania.

Pennsylvania Department of Environmental Quality
Commonwealth of Pennsylvania

Attention: David L. Price
District Representative and Water Management
Division

Re: DEQ File No. 97-59-0023; T11N; R10W, Sec.
20; Lycoming County

Dear Mr. Price,

Your certified letter dated 11/25/07 has been handed to me to respond to. I am the legal landowner but not the contractor at 2088 Dagget Lane, Trout Run, Pennsylvania.

A couple of beavers are in the process of constructing and maintaining two wood 'debris' dams across the outlet stream of my Spring Pond. While I did not pay for, authorize, nor supervise their dam project, I think they would be highly offended that you call their skillful use of nature's building materials 'debris.'

I would like to challenge your department to attempt to emulate their dam project any time and/or any place you choose. I believe I can safely state there is no way you could ever match their dam skills, their dam resourcefulness, their dam ingenuity, their dam persistence, their dam determination and/or their dam work ethic.

These are the beavers/contractors you are seeking. As to your request, I do not think the beavers are aware that they must first fill out a dam permit prior to the start of this type of dam activity.

My first dam question to you is:

(1) Are you trying to discriminate against my Spring Pond Beavers, or

(2) Do you require all beavers throughout this State to conform to said dam request?

If you are not discriminating against these particular beavers, through the Freedom of Information Act, I request completed copies of all those other applicable beaver dam permits that have been issued. (Perhaps we will see if there really is a dam violation of Part 301, Inland Lakes and Streams, of the Natural Resource and Environmental Protection Act, Act 451 of the

Public Acts of 1994, being sections 324.30101 to 324.30113 of the Pennsylvania Compiled Laws, annotated.)

I have several concerns. My first concern is, aren't the beavers entitled to legal representation? The Spring Pond Beavers are financially destitute and are unable to pay for said representation -- so the State will have to provide them with a dam lawyer. The Department's dam concern that either one or both of the dams failed during a recent rain event, causing flooding, is proof that this is a natural occurrence, which the Department is required to protect. In other words, we should leave the Spring Pond Beavers alone rather than harassing them and calling them dam names.

If you want the stream 'restored' to a dam free-flow condition, please contact the beavers -- but if you are going to arrest them, they obviously did not pay any attention to your dam letter, they being unable to read English.

In my humble opinion, the Spring Pond Beavers have a right to build their unauthorized dams as long as the sky is blue, the grass is green and water flows downstream. They have more dam rights than I do to live and enjoy Spring Pond. If the Department of Natural Resources and Environmental Protection lives up to its name, it should protect the natural resources (beavers) and the environment (beavers' dams).

So, as far as the beavers and I are concerned, this dam case can be referred for more elevated enforcement action right now. Why wait until 1/31/2008? The Spring Pond Beavers may be under the dam ice then and there will be no way for you or your dam staff to contact/harass them.

In conclusion, I would like to bring to your attention to a real environmental quality/health problem in the area. It is the bears! Bears are actually defecating in our woods! I definitely believe you should be persecuting the defecating bears and leave the beavers alone. If you are going to investigate the beaver dam, watch your step! The bears are not careful where they dump!

Being unable to comply with your dam request, and being unable to contact you on your dam answering machine, I am sending this response to your dam office.

THANK YOU,



The Holiday History

The history of some of our holiday celebrations have been lost or changed; yet these holidays live on. The most recent holiday, in addition to ushering in the official start of summer activities has the image of commemoration the sacrifices of our nation's fallen military. How many readers of the eDipole know of its origin?

Memorial Day is a holiday in the United States that is observed in late May. It was previously designated as Decoration Day, and inaugurated in 1868 by Gen. John A. Logan for the purpose of decorating the graves of Civil War veterans. Memorial Day has since become a day to commemorate all who have died in war.

They Are Missing

Someone with seemingly nothing to do started a list of television shows that are no longer on the air in original production. It is surely not the complete list of non-production television shows. See how many each of us can add.

This is a walk down memory lane.

- The Lawrence Welk Show
- Six Million Dollar Man
- The Danny Kaye Show
- Then Came Bronson
- The Smothers Brothers
- Little House on the Prairie
- Dragnet
- Friday night fights!!
- Dynasty
- Streets of San Francisco
- St. Elsewhere
- Here Comes the Brides
- Peyton Place
- Topper
- Friday Nite Videos
- China Beach

- I Remember Mama
- The Red Skelton show
- Lassie
- Gunsmoke
- 60's LAUGH IN
- The Dean Martin Show
- Sky King
- Dr. Kildare
- The Carol Burnette Show
- Mork and Mindy
- Truth or Consequences
- The Waltons
- Burns and Allen
- Star Trek
- You Can't Do That On Television
- Mr. Ed
- I Love Lucy
- What's My Line
- The Lone Ranger
- The Ed Sullivan Show
- You Are There (1953)
- I Led Three Lives
- Brady bunch
- GIMMIE A BREAK
- Jeffersons
- Dark Shadows with Barnabas Collins
- Hee-Haw
- F-TROOP
- Rin Tin Tin
- Charlie's Angels
- LAUGH IN
- Casper the Friendly Ghost
- The Wonderful World of Disney (every Sunday night)
- Wyatt Earp
- Flicka
- Have Gun Will Travel
- The Fall Guy
- The Dukes of Hazard
- Rawhide
- Bonanza
- My Mother the Car
- Ozzie & Harriet
- American Bandstand
- Howdy Doody
- Route 66
- The Patty Duke Show
- Father Knows Best
- Cheers
- ALF

The Jetsons
 Car 54 Where are you?
 Green Hornet
 Andy Griffin
 The Lone Ranger
 MASH
 L.A. Law
 Hill Street Blues
 George Burns & Gracie Allen Show
 Amos & Andy
 The Banana Splits
 I Married Joan
 McHale's Navy
 The Fugitive
 Sonny and Cher
 The Dick Van Dyke Show
 American Bandstand
 Rat Patrol
 Who's the Boss
 Starsky & Hutch
 St. Elsewhere
 Match Game
 Marcus Welby, MD
 Lassie
 The Bill Cosby Show
 Queen for a day
 Leave It To Beaver
 Soul Train
 Dallas
 Saturday Night Creature Feature
 All in the Family
 Wanted Dead Or Alive
 Beverly Hillbillies
 The Rifleman
 The Honeymooners
 Your Hit Parade
 Hogan's Heroes
 Big Valley,
 Gunsmoke
 Gilligans Island,
 Jungle Theatre,
 Hawaiian Eye!
 Mary Tyler Moore Show
 The Partridge Family
 Flipper
 BONANZA
 Mitch Miller Show
 Password
 Kookla, Fran and Ollie
 Combat!

\$10,000 Pyramid
 Diver Dan
 TAXI
 The Little Rascals
 Whirlybirds
 Petticoat Junction
 My Little Margie
 Jericho
 Hawaii 5.0
 The Cisco Kid
 The Twilight Zone
 I Dream of Jeanie
 Willie the Worm
 Action in the Afternoon

Summer Homework

This is the final, scheduled edition of the *eDipole* until the September 2008 edition. The staff of the *eDipole* will not be totally on "holiday" during this period of time. If there are any suggestions or ideas for the September or other editions of this publication, please forward them to LJamesBiddle@verizon.net

Help of this nature will be a large aid in providing ongoing issues of this publication. This is your source of information, and help is appreciated.

Jim Biddle W3DCL

**** Remember ****

The eDipole is not developed in July or August. Publication will resume in September, 2008.

Please join us for our June club meeting...
 Thursday, June 5th, 2008
 7:00 PM
 The Gauntlett Center

Please direct any questions related to the club meeting to President Walt Faust at 610-622-2200.

Have a safe and fantabulous summer!