

COMPUTER USERS OF ERIE

CELEBRATING 37 YEARS SERVING NW PENNSYLVANIA First Programed in 1982

CUE Newsletter - September 2019 (Volume 36 Number 09)



Green will turn to gold and red, with warm days and cool nights ahead.
The fractal patterns of life on earth, will pause to await a Spring rebirth.
As we once again remember, such is September!

September CUE Meeting

The next CUE members' meeting is on Thursday September 19th at 7:00 PM, with a presentation after the meeting about Windows 10, including updating from prior versions, and the future of Windows.



Visit the CUE Website at
www.cuerie.com

CUE is a member of APCUG



CUE Calendar



Calendar events are subject to change. SIG stands for Special Interest Group.

CUE Membership Meetings (typically 3rd Thursday of each month)

Thursday September 19th at 7 PM

Thursday October 10th at 7 PM (Notice: 2nd Thursday, **NOT** 3rd Thursday in October)

Beginner's User Group (BUG) SIG Meetings

To Be Scheduled Upon Request

Digital Photo SIG Meetings (typically 1st Saturday of each month except June/July/August)

Saturday September 7th at 9:30 AM

Saturday October 5th at 9:30 AM

Genealogy SIG Meetings (typically 1st Tuesday of each month)

Tuesday September 3rd at 7 PM

Tuesday October 1st at 7 PM

MAC SIG Meetings (typically 2nd Saturday of each month except June/July/August)

Saturday September 14th at 9:30 AM

Saturday October 12th at 9:30 AM

Smartphone & Tablet SIG Meetings (typically 4th Monday of each month) (RSVP John Fair)

Monday September 23rd at 7 PM

Monday October 28th at 7 PM

Windows SIG Meetings (typically 2nd Saturday of each month except June/July/August)

Saturday September 14th at 1 PM

Saturday October 12th at 1 PM

CUE Christmas/Holiday Party

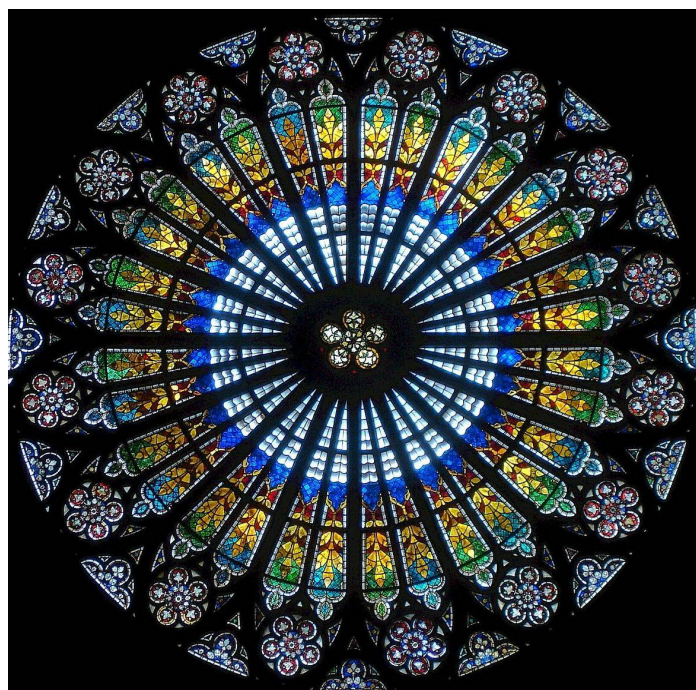
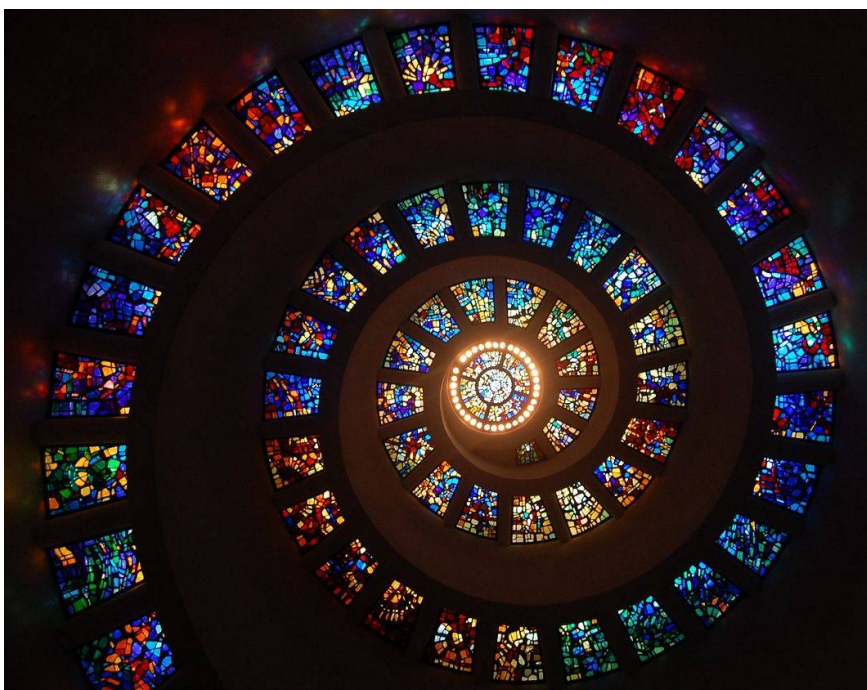
Thursday December 5th at 6 PM

Presentation at September CUE Meeting

For Computer Users of Erie

Windows 10

The September 2019 General Meeting Program focuses on Windows 10: the latest updates and what the future may hold for Windows. Users of any recent version of Windows will want to bring their questions and problems to the Q&A session that will follow two informative videos. Are you facing a transition from Windows 7 or 8 to Windows 10? Or are you having difficulties with recent updates to Windows 10? Do you want to learn more about using the features of Windows 10 and how to customize this powerful operating system? Be sure to mark 7:00 PM on September 19 on your calendar for the next CUE General Meeting!

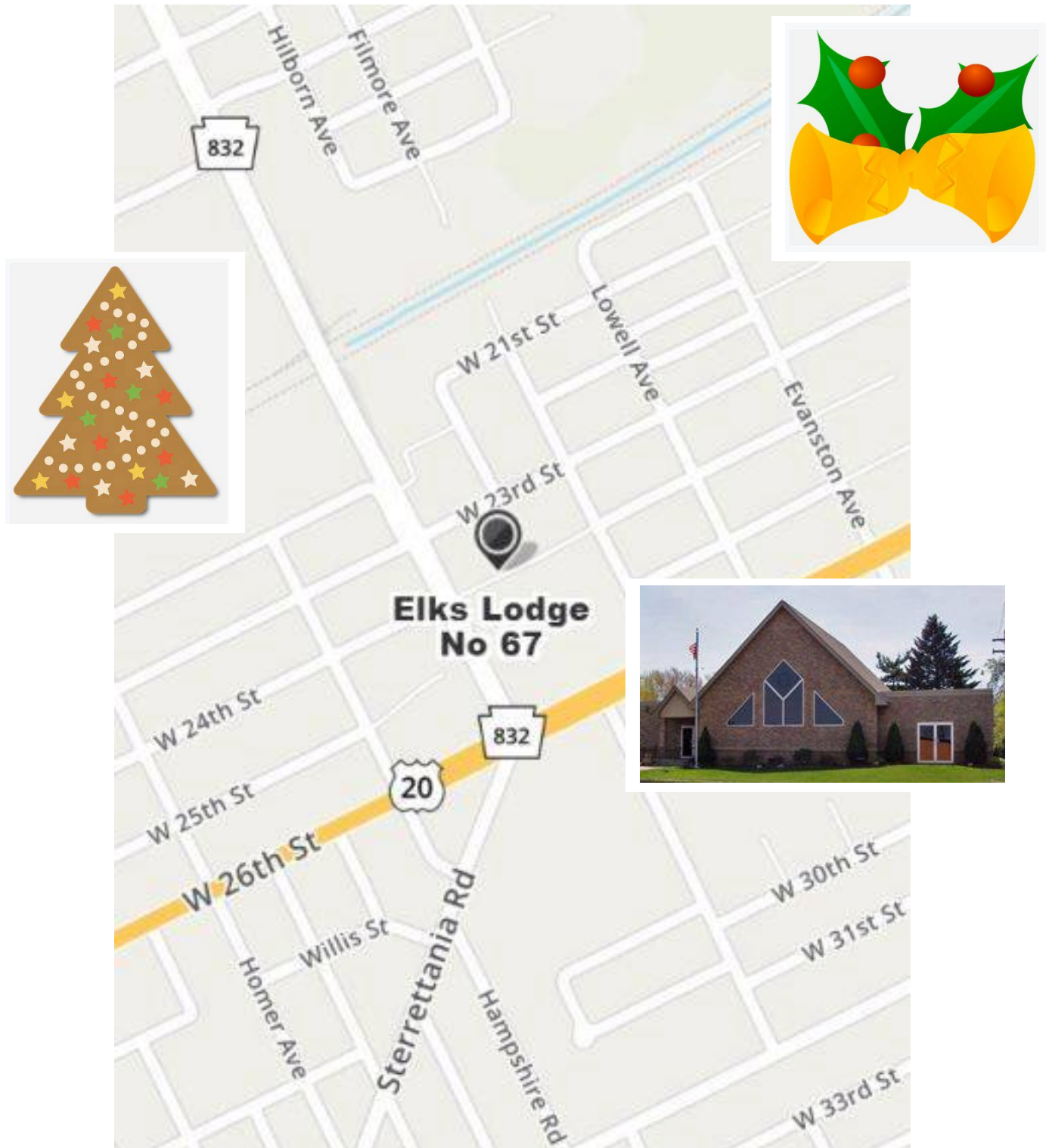


Save That Date! Thursday December 5th 2019

The Elks Club in Erie is reserved for the CUE Christmas/Holiday Party!
Try to keep that date open for a time of food and fellowship!

Members voted to move the party to the Elks Club this year. Here is the location:

2409 Peninsula Drive, Erie, PA



A Note from the Treasurer

CUE Holiday Party!

Save That Date! On Thursday, December 5th, 2019, CUE will celebrate its Holiday Party in a private room in The Elks Club in Erie! Keep the date open for an enjoyable time of food and fellowship! Members voted to move the party to the Elks Club this year. CUE Members familiar with the restaurant at the club have spoken highly of the quality of the food and service. The club is located at 2409 Peninsula Drive in Erie with plenty of parking and a very accessible entrance.

As always, we will have a gift exchange. If you'd like to participate, please bring a wrapped gift of no more than \$10 in value.

The plan for this year's dinner is a little bit different. Members are asked to order their dinner and pay in advance. Once again, CUE members have voted to give a \$10 subsidy (at the dinner) to members who attend.

Here's how to order. To save on costs, we are offering a choice of four entrees. The prices include 6% tax and 17% gratuity:

Roast Pork Loin	\$13.58
Chicken Parmesan	\$14.82
Vegetable Lasagna (white)	\$13.58
Honey-Glazed Salmon	\$15.50

To order your dinner, please send a check for you and your guest, if you plan to bring one, to CUE at:

Computer Users of Erie
PO Box 8941
Erie, Pennsylvania 16505-0941

Be sure to specify your dinner choices:

Roast Pork Loin
Vegetable Lasagna
Chicken Parmesan
Or
Honey-Glazed Salmon



A cash bar will be available. Dinner orders and checks must be received no later than November 15. *Please note: If for any reason you do not attend, we cannot offer a refund.*

Mega Math

By Don Grim at Computer Users of Erie

Lions and tigers and bears, oh my!
Megabytes and gigabytes and terabytes,
oh my! They're not as scary as you might
think! With a little understanding, you will
know more about the binary system
behind the scenes, true Internet speed, the
real space on a hard drive, and even some
game show math.

Let's start with a byte. It is just a character,
like the letter Q or the numeric digit 7.
Each character used is a byte. If an article
has 800 characters (including spaces), it is
about 800 bytes in size. A computer is fast
because of binary representations,
numbers in base 2 instead of base 10.
That allows for ones and zeros (on and off
switches for a computer to run fast).

The character for the numeric digit 7 is
stored to a computer at 00110111 in
binary. The ones are at the places of 32,
16, 4, 2, and 1 which sums to 55 (ASCII
code) (American Standard Code for
Information Interchange) which represents
the character 7 to a computer. In the same
way, the letter Q has ASCII code 81 or
01010001 in binary for a computer. The
ASCII codes have 8 digits in binary. So
each of the 8 binary digits for an ASCII
code, used for one byte of character, is
called a bit. Therefore a byte is 8 times the
size of a bit. That will be helpful to know
next, for looking at Internet speed.

Internet speed is shown at a rate of
megabits per second (Mbps). The "b" is
not capitalized, representing bits,
otherwise a capital "B" would represent
bytes. Why is Internet speed not shown at
megabytes per second? Because you get
a larger number at megabits per second,

which can "seem" faster ("bigger better"
analogy). For an Internet speed at 16
megabits per second, that would be just 16
divided by 8 (bytes are 8 times the size of
bits) or 2 megabytes per second. As an
example, if you download a 30 megabyte
file, that would be 240 megabits. At 16
megabits per second, it would take 240
divided by 16, or 15 seconds, to download,
which is still 2 megabytes per second.

Next, let's look at a lot of bytes:

1,024 bytes is a kilobyte
1,024 kilobytes is a megabyte
1,024 megabytes is a gigabyte
1,024 gigabytes is a terabyte

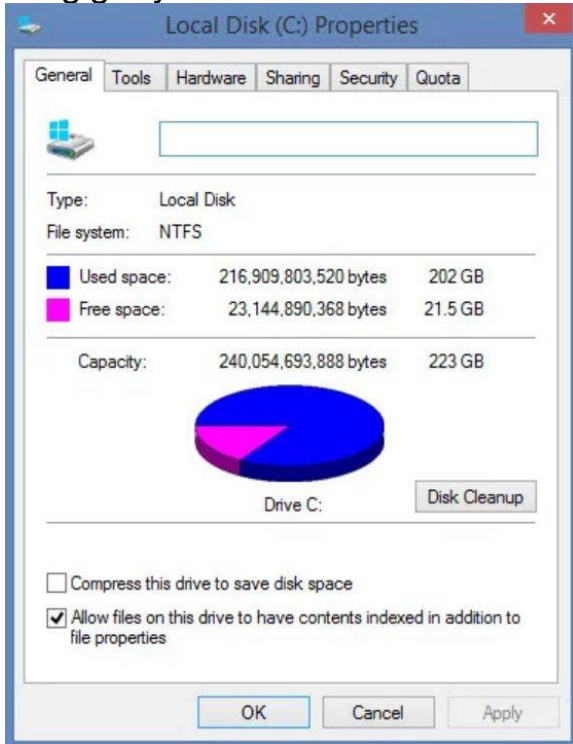
Why is it 1,024 instead of 1,000?

Computers are more comfortable with
binary (base 2) numbers rather than our
decimal (base 10) numbers. 1,024 is 2 to
the 10th power (base 2) while 1,000 is 10
to the 3rd power (base 10).

Your hard drive may have less space than
what is advertised. You could call it a
selling scheme or just ignorance of the
math, but a hard drive may be
exaggerated for the claimed space. For
example, a hard drive may be sold with a
claim of 240 gigabytes of storage.
However, if you check it on your computer
(right click drive C and look at properties),
it may show at 240,054,693,888 bytes. It
has just over 240 billion bytes but that is
not 240 gigabytes. To find the number of
gigabytes, divide by 1024 to get to
kilobytes, then divide by 1024 again to get
to megabytes, then divide by 1024 one last
time to get to gigabytes. Doing the math:

Mega Math Continued

$240,054,693,888 / 1024 / 1024 / 1024 =$
223.57 gigabytes



So the advertised 240 gigabyte hard drive is really only a 223 gigabyte hard drive. If a hard drive has 1 trillion bytes, it may be advertised as a terabyte hard drive. However, if you divide 1 trillion by 1024, three times, it is really only 931 gigabytes:

$1,000,000,000,000 / 1024 / 1024 / 1024 =$
931.32 gigabytes

It seems to be a "confuse them with math" selling technique. A true terabyte hard drive would have 1,099,511,627,776 bytes (1024 to the 4th power). To help add to the sales confusion, some will define a terabyte as a trillion bytes and a tebibyte as 1,099,511,627,776 bytes. Words like gibobytes and mebibytes exist for the same kind of dilemma. However, the Microsoft Windows system still shows a terabyte at 1,099,511,627,776 bytes and a gigabyte at 1,073,741,824 bytes.

Things change. I remember that my first hard drive had 10 megabytes for space. 40 megabyte drives were a standard for a while then somebody at CUE had the first 100 megabyte hard drive. We thought it would never be filled! Now a terabyte hard drive could hold more than 10,000 100 megabyte hard drives. It's tempting to say "a terabyte ought to be enough" but then it is rumored that Bill Gates said "640 kilobytes (of memory) ought to be enough for anybody" at a trade show in 1981. So you never know!

Finally, I can't offer you a million dollars but I can offer you some math from a million dollar game show. I noticed when watching the "Who Wants To Be A Millionaire" game show on TV that the value for each question doubled (or just close to double at times) with each new question. Each value was in hundreds of dollars for we, as humans, are comfortable with decimal (base 10) numbers. Doubling is more associated with binary (base 2) numbers which computers are more comfortable with for efficiency and speed. Here is a chart for options to double values:

Option A	Option B	Option C
100.00	61.04	64.00
200.00	122.07	128.00
300.00	244.14	256.00
500.00	488.28	512.00
1,000.00	976.56	1,024.00
2,000.00	1,953.13	2,048.00
4,000.00	3,906.25	4,096.00
8,000.00	7,812.50	8,192.00
16,000.00	15,625.00	16,384.00
32,000.00	31,250.00	32,768.00
64,000.00	62,500.00	65,536.00
125,000.00	125,000.00	131,072.00
250,000.00	250,000.00	262,144.00
500,000.00	500,000.00	524,288.00
1,000,000.00	1,000,000.00	1,048,576.00

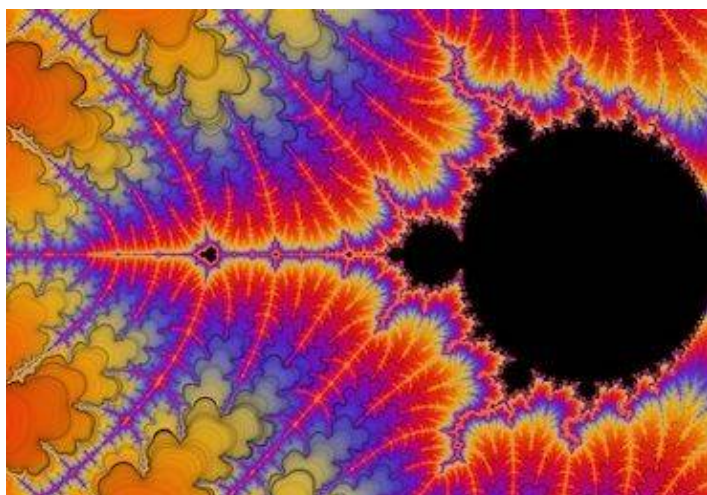
Mega Math Continued

Option A has values that are actually used for each question in the game show, although the values changed slightly in later episodes. It is close to doubling on each question and has nice rounded numbers for humans to view. Option B shows values that are truly doubled to get to a million dollars on the last question. The values, especially the earlier values, are numbers less comfortable to humans, just not rounded enough. Option C shows something that may be a "happy medium", something comfortable for humans and computers. It is especially comfortable for a computer that sees 64 as 1,000,000 in binary, 128 as 10,000,000 in binary, and so forth. The numbers are at least rounded to even dollars and it is still truly doubling to satisfy a computer. However, the final value exceeds a million at \$1,048,576 (1024 times 1024). It is just some overflow to help pay taxes! Since 1,048,576 bytes is a megabyte, I guess you could call the game show with Option C as "Who Wants To Be A Meganaire"!

In reference to the 1024 times 1024 mentioned above, there is a math pattern for multiplying two numbers that start with 1. Take the rest of the numbers past 1, add them ($24+24=48$), multiply them

($24*24=576$), then notice how 48 and 576 are in the final answer of 1,048,576. It goes back to math rules for compound interest. On an actual case, I know someone who had their health insurance increase by 40% each year, for two years. Overall, you would think that was an 80% increase but it was a 96% increase. For a \$500 premium, it would increase to \$980 (nearly doubling). Doing the math, you get $500*(1.40)*(1.40) = 500*(1.96) = 980$. Notice the automatic pattern again with $4+4=8$ and $4*4=16$ and then the 8 and 16 form 96 which is in the 1.96 result.

Computers! You can't live with them at times but you can certainly live with them at other times. Humans still have the upper hand on thinking/logic/reason though artificial intelligence is trying to improve that. Computers remain helpful for speed. Computers are basically efficient idiots that quickly follow instructions. Megabytes, gigabytes, and terabytes are getting less scary. Maybe the next scary ones will be petabytes (1024 to the 5th power), exabytes (1024 to the 6th power), and zettabytes (1024 to the 7th power), or even pebibytes, exbibytes, and zebibytes! We'll tackle it, if we have to, somehow!



The speed of computers allowed for the discovery of fractals and to also calculate deep zooms inside fractals. There are zooms on youtube that are hours long. Here is a link to a favorite of the Mandelbrot Fractal that is just 17 minutes long and has over 1 million viewers:

www.youtube.com/watch?v=PD2XgQOyCCk

Genealogy Report for 8/6/19 SIG Meeting

The Genealogy SIG met at 7:00 p.m. at the home of Hal and Gretchen Kelley. The meeting adjourned at 9:00 p.m.

Those attending were: Don Rhodes, Susan Mueller, Hal Kelley, Hadley Jones, Barbara Jones, Tim Donlin, Bill Klauk, Janice Castro, John Sympruch, Joanne Haulik, Pat Mickel, Linda Waha, Conrad Sobczak and Carole Blakeslee.

Hal Kelley called attention to the September, 2019 issue of Family Tree Magazine, highlighting two articles: (1) "101 Best genealogy Websites" (an annual feature) and (2) "Pinching Pennies" and its six hints: Find Free Genealogy Websites, Look for Free-Trial Periods and Free Collections, Wait for Discounts, Store Your Research In Genealogy Software Instead of Online Family Trees, Visit the Library and Take Advantage of Free Webinars And Video Tutorials.

Appreciation for the CUE Picnic held July 18th was expressed by everyone. Kudos for all the good work on everyone's part. We are looking forward to the next one.

A reminder was given that the CUE dues of \$24 are due in August. Janice Castro, the CUE treasurer, reported that many members had already paid their dues, and she will be happy to receive the dues from CUE members who have not yet remitted theirs.

Hal announced that on [Ancestry.com](https://www.ancestry.com), under "Extras" and then "Ancestry Academy," there is a free to view 1 hour 15 min. video on Family Tree Maker for those who may want to begin using FTM or brush up on its features. Also, a 2019

upgrade of FTM is supposed to be coming out soon, with a chance to pre-order it.

Sue Mueller presented a program on how to find and use the PA newspapers on the Erie Library website. She explained that it is not intuitive and that she found it a challenge. Sue worked through the process on the laptop so we could all follow it on the TV monitor. She focused on some Erie newspapers. She also provided the SIG members with a good cheat sheet so we can follow it when we want to access the Library site individually. With Sue's cheat sheet and a little practice, you can navigate newspapers, as well as magazines and obituaries pretty well.

Tim Donlin has been having some trouble with Ancestry and Family Search regarding a few things in his tree. He went on to [Ancestry.com](https://www.ancestry.com) to his personal account and put up his tree, emphasizing how important the [Ancestry.com](https://www.ancestry.com) Thru Lines are to him; they have gotten him back four or five generations on one of his lines. He was getting something coming up from another tree, and he is working on getting it out of his tree. He was able to get the wrong information deleted. Our SIG members helped Tim with several other things he wanted to accomplish on his tree. This exercise was a good example of what our SIG is all about – assisting members in real time at the meeting.

Conrad Sobczak reported that he had been in a "family genealogical" slump since February; he has been doing little organizing or documenting work on photos or papers.

Genealogy SIG Report Continued

Conrad did mention that he has been delving into history and “watching an archeological documentary on the hunting and domestication of horses in one of the “_stans” in Asia that lead to further reading of the Mongolian Empire of Genghis Khan and his heirs. Their empire became the largest, contiguous land mass empire in the world, extending from China in the east to Russia, Hungary and Poland in the west. The Khan’s armies could be described as marauding heavy cavalry, estimated at 40,000-100,000 in number. Some accounts described the murder, raping, pillaging, and total destruction of conquered villages and cities - tough reading. As the Golden Horde invaded eastern parts of Poland, it could explain the darker complexion, brown hair, and eyes in Conrad’s mother’s side of the family. When asked of Regina about the physical characteristics, she replied with a smile, “You know your (Polish) history, Conrad, there had to be a rape somewhere in the line.”

There was a short discussion about how the ethnicity estimates are updated and reveal new findings because of an increased number of people taking DNA tests and therefore more larger databases. Hal Kelley’s original estimate has been updated to include a new estimate of 13% Germanic Europe, where nothing had shown from that community before. Several other members commented on changes in their ethnicity estimates. Don Rhodes’ first estimate showed 39% Jewish; now he is point one (0.1). Also, it was pointed out by Sue Mueller that in some countries it is illegal to sell DNA kits; one example is Poland. Also, Ancestry is only available in 30-40 countries.

Pat Mickel told of listening to a webinar on railroads from the Southern California Genealogical Society. One might wonder what that topic has to do with genealogy, but Pat pointed out that there are all kinds of records available about railroads and those who worked on them; her father and grandfather worked on railroads. Someone else said that there are even records about pay stubs of railroad workers available. Conrad Sobczak said that there was an interesting TV series done about the linking of the transcontinental railroad that was very interesting and the difficulties involved with that project.

John Sympruch’s grandfather started on the Pennsylvania Railroad in 1902 and his father in 1937, and John worked on the railroad too. To get credit toward retirement you had to work one day a month, and during the time it was slow, his dad would tell him, “you have to be available this certain day, because they’re going to call you.” During the depression, his grandfather and a bunch of guys took a day off a month so that a guy who was furloughed or laid off could work a day and it was enough to feed his family, so when John started working, and things were slow, they did the same thing for him; they took turns so he could work a day. That was great! This discussion about railroads prompted Hal to bring up on the TV monitor an Ancestry Academy video he had noticed entitled “The Lure of the Train Whistle: Researching Railroad Workers,” done by Paula Stuart-Warren, FMGS. He has not viewed it, but it might interest some of the SIG members; the length is 1:1:15. It is free to view.

Respectfully submitted, Harold D. Kelley

Smartphone & Tablet Report for 8/26/19 SIG Meeting

This Special Interest Group meets at 7:00 PM on the fourth Monday of the month at my home.

We had some newer iPad users so we went over some features within Settings. We also cautioned the group about the need for each user to have their own Apple ID to avoid confusion about how Contacts, etc. are shared if two people use the same Apple ID.

Favorite apps reviewed included the Wegmans app, particularly important since the West Ridge Road store drastically rearranged their stock. The app is particularly useful to locate items in the new arrangement. I recommended the Apple News app as a great source of news for a variety of categories that the user can specify according to their interests. Surprisingly many of the members didn't use this app. We pointed out the

difference between News and the News+ subscription service. The latter is based on a subscription model, so there is a monthly charge for access to major newspapers and magazines.

I also showed the Weber Grills app which has handy directions for grilling various cuts of meat, poultry, etc. I mentioned our experience with the PlantSnap app for identifying plants. One of our iPad users was particularly interested in this app for loading on her Android phone. Most of the apps we recommend have both apple and Android versions.

The next meeting of the special interest group is scheduled for 7:00 PM on Monday, September 23 and will feature our experiences with the new operating system, iOS 13.

John Fair

Secretary's Report for 8/15/19 CUE Meeting

Members Present: Paul Francis, Hal Kelley, Larry Johnson, Tim Donlin, Don Grim, John Szympruch, Lee Williams, J. Robert Jaworski, Joanne Kleinhantz, Don Rhodes, Janice Castro, Conrad Sobczak, John Fair, Connie Edwards, Suzanne Matthews, Carol Repoff, Judy Henry, Mike Henry, Carol Korn, George Younkin, Elizabeth Wisniewski, Anne Rosthauser, Bill Klauk, Lou Cioccio, John T. Jackson

Guests Present: Linda Williams, Pat Younkin

The number of members present (25) exceeded 14, the number needed for a quorum (20% of 74 total members).

The CUE meeting was started by president Paul Francis at about 7 PM.

The minutes for the June meeting were mentioned to be in the newsletter. The minutes were accepted by the members for approval.

It was mentioned that the CUE Picnic in July was enjoyable.

Secretary's Report Continued

Treasurer Janice Castro mentioned that there were recent expenses for the CUE picnic and use of the meeting room. The current treasury balance was stated as \$4,044.92.

Hal Kelley reported on the Genealogy Special Interest Group. He explained what Genealogy meetings are like to the new people. He described it as a self-help group that answers each others' questions. There are always nice surprises and out-of-the-blue stories. The latest meeting had a train whistle video and information on railroad family relatives. Hal mentioned that they have an excellent group rate savings for an Ancestry.com subscription. The group has all levels of expertise including for DNA.

John Fair reported on the Smartphone & Tablet Special Interest Group. Their latest meeting covered new operating system releases and how your phone can save your life in an emergency.

Lou Cioccio reported on the Digital Photo Special Interest group. They will resume meetings in September.

Lou Cioccio reported on the Macintosh Special Interest Group and Windows Special Interest Group. Meetings will resume, also, for those two groups, in September.

On the subject of present and new business, Janice Castro thanked the group for renewing their dues.

There was a request to adjourn the meeting. The members approved the adjournment of the meeting (first and second motions from Don Rhodes and Hal Kelley).

A demo followed the meeting from John Fair on Facial Recognition.

Respectfully Submitted,
Don Grim, Secretary

A Note from the Editor

As usual, feel free to contribute information for the CUE newsletter. Whether it is small, large, an article, a tip, information, or pictures, you can send it to me and I will plan to include it in the newsletter. You can reach me at grimcyber@yahoo.com.

Remember that the September CUE meeting will be on the normal third

Thursday of the month but the October CUE meeting will be on the **second** Thursday of the month. Also, remember an upcoming special event, the CUE Christmas/Holiday Party, is to be on Thursday 12/5.

Editorially, Don Grim

PLEASE PRINT

**COMPUTER USERS OF ERIE
MEMBERSHIP APPLICATION**

Today's Date _____

Last Name	First Name
Address	
City, State	Zip
Home Phone	Cell Phone
Your Email	

The yearly dues are payable in August of each year. The dues are \$24 annual.

For NEW members only, when you join outside the annual cycle your initial dues are based upon the month you join. Follow the schedule below.

August \$24	September \$22	October \$20	November \$18
December \$16	January \$14	February \$12	March \$10
April \$8	May \$6	June \$4	July \$2

Information provided on this form will be placed into a CUE Membership Directory

What is your Computer or Device: (Circle)

Windows Mac Android iPhone iPad
Tablet Linux Other

What is your level of expertise? (Circle)

Novice I know some I want to learn more
Expert Geek

Send your completed application
to:

Computer Users of Erie

PO BOX 8941

Erie, Pa 16505-0941

What do you wish to gain by joining Computer Users of Erie?

Student membership is just \$15 per year (provide proof of student status)

CUE Officer Information

Officers

President	Paul Francis	pdfflyer@roadrunner.com	814-882-1175
Vice President	John Fair	johncfair@gmail.com	814-474-3055
Secretary	Don Grim	grimcyber@yahoo.com	814-461-8289
Treasurer	Janice Castro	janicecastro@gmail.com	312-543-9128

At-Large Board

Lou Cioccio	lcioccio@mac.com	814-868-1320
Suzanne Matthews	pdxmatthews@aol.com	814-790-4185
Susan Mueller	suepasta@roadrunner.com	814-622-1262
Don Rhodes	jlrdcr@gmail.com	814-456-2166
Conrad Sobczak	hatsob@verizon.net	814-899-9699

Alternate At-Large Board

Marsha Keller	dekma43@gmail.com	814-449-4682
Hal Kelley	hal_kelley@outlook.com	814-836-1803
Allison McKinstry	alli25@yahoo.com	814-602-4863

Special Interest Groups

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Digital Photo	Lou Cioccio	lcioccio@mac.com	814-868-1320
Genealogy	Hal Kelley	hal_kelley@outlook.com	814-836-1803
MAC	Lou Cioccio	lcioccio@mac.com	814-868-1320
Smartphone & Tablet	John Fair	johncfair@gmail.com	814-474-3055
Windows	Lou Cioccio	lcioccio@mac.com	814-868-1320

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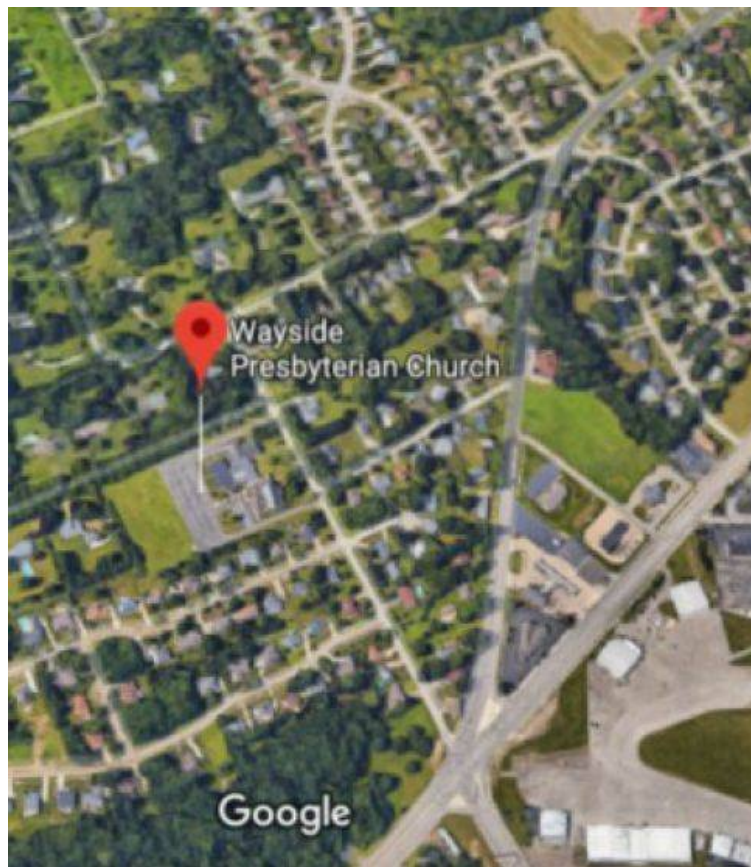
Directions to Wayside Presbyterian Church for CUE Meetings

Wayside Presbyterian Church, at 1208 Asbury Road, is approximately three blocks north of the intersection of Asbury Road and Route 5. This intersection is at the northwest corner of the Erie International Airport property. Following Asbury, turn left at the first marked driveway for the church. During the afternoon winter schedule (10:00 AM for the months of November, January, February and March), entry is through the two sets of blue double doors. Use the buzzer to gain entry if the doors are locked. During the normal evening schedule (7:00 PM the remaining months) use the double doors on the south side of the Christian Education wing. Signs are posted in the building to direct you to the meeting room.

From West of Erie International Airport: Follow Route 5 to the intersection of Asbury and Route 5. Turn hard left onto Asbury Road. Look for the church on the left approximately 3 blocks north of the intersection.

From South of Erie: Take Interstate 79 north to the 26th Street (Route 20) Exit. Bear left onto 26th Street (Route 20) west. Follow Route 20 about 3.4 miles west to Asbury Road. Turn right (at the Sheetz Gas Station) onto Asbury and follow it straight across Route 5. Look for the church on the left approximately 3 blocks north of the intersection.

From East of Erie International Airport: Follow 26th Street (Route 20) west to Asbury Road. Turn right onto Asbury and follow it straight across Route 5. Look for the church on the left approximately 3 blocks north of the intersection. OR, follow 12th Street (Route 5) west past the airport to Asbury Road. Turn right onto Asbury Road. Look for the church on the left approximately 3 blocks north of the intersection.



About the Newsletter

The CUE Newsletter is published monthly by the Computer Users of Erie (CUE), an independent nonprofit computer user group, dedicated to the education and support of our members. The opinions expressed herein are those of the individual authors or the editor, and do not necessarily reflect the opinions of CUE. This publication is Copyright © 2018 by the Computer Users of Erie. All rights reserved. Permission to reprint is hereby granted to any Nonprofit Organization, as long as proper credit is given, or not restricted by the original author or source. **Advertising:** Advertising is welcome from both our members and commercial sources. For current advertising rates, please send an email to the Editor requesting a copy of the Ad Rates file. **Address Changes:** Any recipient of the newsletter is urged to submit a change of address notification to the Editor, either via US Mail to the address shown below, or (preferably) via email, so we may keep our records accurate. **Newsletter Exchange:** CUE welcomes newsletters from other user groups. If you would like to exchange newsletters, either by US Mail or via electronic (Internet) delivery, please send your newsletter to the address listed below. We will add your name to our mailing list and send you our newsletter in return. **Submissions:** Submissions are always welcome from our members or outside sources. Submissions may be articles, images, cartoons, etc. For first time authors, please request a copy of our Submissions Guidelines from the Editor, prior to submitting any items. This will help to eliminate publication delays. Submissions are due by the 5th of each month. **Correspondence:** General correspondence to CUE may be sent via US Mail to: Computer Users of Erie, PO Box 8941, Erie, PA 16505-0941 USA. Email to: cuerie@gmail.com. Editor Email to: grimcyber@yahoo.com.

CUE Membership Benefits



As the largest computer users group in northwest Pennsylvania, CUE has served Erie and surrounding communities since 1982. CUE provides a forum for people to learn about computers and have fun doing so. The group meets the third Thursday each month, with the exception of the months of July and December. In July the group gathers for a picnic and December is the annual holiday party (dates vary). CUE meetings are at Wayside Presbyterian Church, 1205 Asbury Road, Erie. Meetings from April through October are at 7:00 p.m. From November through March, the meetings are at 10:00 AM in the morning.

Our monthly meetings are open to the public regardless of age or ability. Many of our members are senior citizens who span a wide range of capabilities and interests but share a desire to know more about how to use computer related technology. Our role is to provide a forum for continuous learning from each other. CUE has a closed Google gmail group that is used to communicate with members and to post questions/problems to seek answers from the membership. Members pay an annual membership fee of \$24 to receive a membership directory, monthly newsletter, availability to monthly general meetings, and any of the Special Interest Group (SIGs) meetings, usually held in a member's home. Locations and times vary, so check the online EVENTS Calendar on the website for the latest information. SIG topics include:

- Digital photography [and photo safari]
- Genealogy
- Macintosh computers
- Computer troubleshooting
- Beginners users group (BUG)
- Handheld smartphones and tablets

CUE is a member of the Association of Personal Computer User Groups (APCUG). APCUG is an International, platform-independent, volunteer-run, non-profit organization devoted to helping member User Groups offer enhanced services to their members. Some of the membership benefits include:

- Speakers bureau
- Free virtual technology conferences
- Regional conference
- Push newsletter articles
- Discounts and special offers from vendors
- User group newsletters online

Find us online at <http://www.cuerie.com/>. And Facebook @cuerie

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