



The *Blurb*



*Newsletter of The Phil-Mont Mobile Radio Club
Public Service Since 1949*

Volume 74 Number 04

www.phil-mont.org

March PMRC RadioLab Power Supply Success thanks to Bob WA2POW and Greg KC3SMW



The Radio Amateur's Code

The Radio Amateur is:

CONSIDERATE... They never knowingly operate in such a way as to lessen the pleasure of others.

LOYAL... They offer loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in their country, through which Amateur Radio in their country is represented nationally and internationally.

PROGRESSIVE... They keep their station up to date. It is well-built and efficient. Their operating practice is above reproach.

FRIENDLY... They operate slowly and patiently when requested; offer friendly advice and counsel to beginners; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.

BALANCED... Radio is a hobby, never interfering with duties owed to family, job, school or community.

PATRIOTIC... Their station and skills are always ready for service to country and community.

- adapted from the original Amateur's Code, written by Paul M. Segal, W9EEA, in 1928

Get the Net!

There's no ham radio without YOU!

Get on the air and share! Operate, cooperate, & celebrate ham radio!

Phil-Mont's Drive Time Net

Join us on the air every
Monday to Friday 1700
to 1800 EDT on:

- 147.030 MHz (+offset 91.5 PL)
- Bucks County and North PL 88.5 (147.030)
- [Echolink W3QV-R](#)
- [ALLSTAR 47970](#)

April Sunday Net Control Schedule

04/02/23 W3MHP

04/09/23 AJ3DI

04/16/23 N3QV

04/23/23 W3AFV

04/30/23 KB3SJS

CLUB REPEATERS

VHF: 147.030 MHz (+offset 91.5 PL)

Bucks County and North PL 88.5
(147.030)

UHF: 444.80 MHz Yaesu System
Fusion WiresX

[ECHOLINK W3QV-R](#) &

[ALLSTAR 47970](#)

[EMAIL REPEATER COMMITTEE](#)

CQ! CQ! CQ!



**Calling CQ for New
Net Control
Operators!**

[Click Here and Sign Up To-
day! It's a Fun Way to Meet
Our Members!](#)

Sunday Morning Nets

*Three Nets on three
bands, all in a Row! Tune
in on any or all for a
Sunday morning 'Hello!'*

0930 EDT:

- 147.030 MHz (+offset 91.5 PL)
- Bucks County and North PL 88.5 (147.030)
- 2m, [Echolink W3QV-R](#)
- [ALLSTAR 47970](#)

1000 EDT:

75 meter Net (3.993
MHz LSB +/-QRM)

1030 EDT:

10 meter Net (28.393
MHz USB +/-QRM)

Club Business

NEXT GENERAL CLUB MEETING:

**Wednesday
March 8th**

IN PERSON *ONLY*

At [Giant Supermarket 315 York Rd.](#)
[Willow Grove, PA 19090](#)

7PM Start - (6PM Yack & Snack)

This month's Prezo:

3D Printing

w/ 'Muggs' - KC3UDZ

APRIL BIRTHDAYS

April 01 - KC3DRE Mark G Thomas

April 10 - K3HIJ Michael Elmaleh

April 15 - Kent D Simmons N3BKR

April 17 - K3NOP Charlie Bricker

April 28 - NG3P Gwen Patton

April 29 - KC3KAY Brian J Therien

*Want your Birthday read on
the Net? Update your info at*

hamclubonline.com

New Club Members

Craig Seidle W3KDB, Extra

Tom Knight, KC3BIW, General

Mark Lilly, KOMAL, Technician



welcomes you!

Phil-Mont Membership Stats April 2023

Member Types Statistics: (Active Members)

REGULAR Membership	137
Honorary	2
Additional Family Member (EACH	7
Student Membership	3
Total	149

Philadelphia



ARES

The Amateur Radio Emergency Service are trained licensed amateur radio operators providing radio communications as a public service in disaster situations. All licensed operators are welcome to join. To get started fill out this [ARES Registration form](#) and [submit it to Cliff Hotchkiss](#) (KC3PGT), the Philadelphia Emergency Coordinator.

**Join the A.R.E.S.
Training Net**

**Every Sunday
evening at 2100 (9:00
PM)**

147.030 MHz

The Prez Sez...

Hello Phil-Mont,

SPRING has sprung! Let's get those antennas, wires, all-the-things up in the air.

Let's get out (those of US who haven't been) and play some POTA. Actually, official park POTA or ANY park portable.

Thanks to KC3SSG Dil (and his assistant, **Sangram KC3VQI**) for showing us his new ham HF antenna journey.

R O O K I E S ROCK!

Dil and ALL THE ROOKIES please keep sharing with us. SHARE everything. We need your fresh eyes and PASSION to keep it going.

Do NOT worry or BE AFRAID. THERE ARE NO DUMB QUESTIONS.

SCHOLARSHIPS - Time is running out. Anyone who knows a ham that is in school should QUICKLY APPLY.....for a license (if they don't already have and then for a scholarship)

Deadline for Responses: April 30, 2023

ALL INFO ON OUR WEBSITE www.phil-mont.org

Again I want to thank KC3SSG Dil for kicking off our Rookie Roundup Presentations with his Antenna journey.

Thanks K3FZT Steve for being born in March and throwing your own birthday party at the General Meeting!
We look forward to many more!

How about 2 of our rookies taking ham radio public! WOW. KC3UKF Drew (took a month to call him that!) and KC3NVS James taking Amateur Radio to the PUBLIC Library.

4:20 TIME TO SMOKE....stop...not that kind of SMOKE.....

SOLDER SMOKE!

PMRC RADIO LABS...we smoked. SOLDER SMOKED. We blew up a capacitor. We generated POWER.

Thanks to KC3SMW Greg, WA2POW (Special Guest Instructor) and ALL THE LABRATS!

It doesn't STOP THERE....KC3SMW announced a new NET!

The Prez Sez...

STARTING IN APRIL



TinkerNet - Every 3rd Saturday (non LABS months)

9:00am to 10:30am on the repeater

and Z O O M video backchannel

Field Day 2023 planning has officially started. K3NOP Charlie will be our Field Day Captain. Reachout to Charlie if you want to be part of his team. YES TEAM. We need ALL of you to help with these events. No help is too small. ALL HELP IS WELCOME.

Stay tuned for more on the mailing list and website.

(last year's info may or may not still be available at: <http://phil-mont.org/fieldday/> if you want to get a feel for what goes on.....)

One caution...the FOOD info has changed, but where there are hams, there is food, just NOT like last year.....

Our VE Team, led by NS3K Jim had another AMAZING session. Thanks to all the VE's that assisted, and ALL THE FOLKS WHO TOOK EXAMS. The results don't matter as much as the attempt. This is a hobby of doing (mostly). LOL. You can be in the hobby just to THINK too, and that counts as your DOING.

PLOTA was in full effect and the new folks got on the air. Thanks KC3GJX Jeff and his awful call for showing folks that if they can say THAT call, the rest will be easy....

The Prez Sez...

3 NEW Amateurs - 1 zero to General - 1 upgrade to Extra

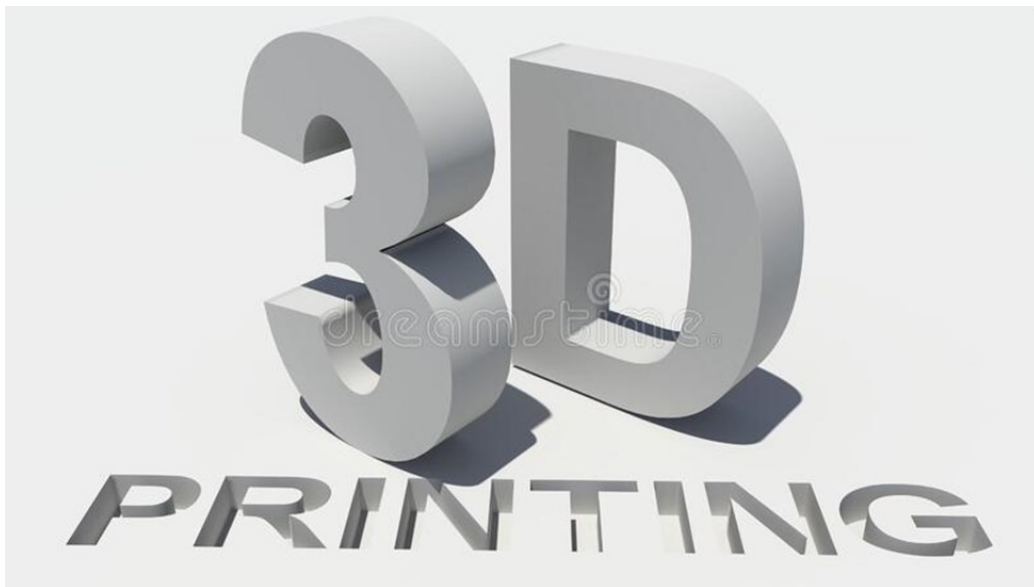
Before you know it Field Day will be over and The Annual 13 Colonies Special Event will begin. As always some of our members assist with the Bonus Station WM3PEN HF operations. This year we need member assistance with the WM3PEN Digital Voice (D-Star) operations for the Bonus Station. At the meeting we had a good show of hands for folks that will be willing to assist with this. More information will be coming from WM3PEN about the Digital Voice and ALL operations. STAY TUNED.

Whew.

April

General Meeting - Second in ROOKIE ROUNDUP series

KC3UDZ Muggs



EVERY SINGLE MINUTE remember, this is YOUR HOBBY, YOUR Club, YOUR repeaters. USE them. MONITOR them. BE A REPEATER GREETER. Answer calls when you can. Let's try to leave NO CALL UNANSWERED.

PLAY*BREAK*LEARN

jim fisher

AJ3DI

www.aj3di.com

HamshackHotline ext: 14423

"Do, or do not. There is no 'try.'"

-- Jedi Master Yoda

PMRC Scholarships for 2023

Claude H. Haring, Jr., W3IIM Memorial Scholarship \$1,000.00

By formal resolution adopted by our board on October 10, 2001, PMRC established Scholarship Fund and authorized the first annual award of the Claude H. Haring, Jr., W3IIM, Memorial Scholarship.

Bryan Hoch N3VJE Memorial Scholarship \$1,000.00

Bryan Hoch N3VJE Age 33 Died of brain Cancer summer 2015. Fought the fight for 2+ years. Graduate of Central High School and Community College of Philadelphia. Employed by Urban Outfitters at Corporate Hq in Philadelphia Navy Yard. Veteran of MS150 operations while in High School. Survived by his Wife Kate and a Score of relatives including his Dad Stephen Hoch WU3I.

Richard Moll W3RM Scholarship \$1,000.00

There are hams who eat and breathe amateur radio, but Dick Moll went far beyond the confines of the hobby as a well-rounded, public-spirited man who not only chalked up a remarkable record of service and achievement as a ham, but also as an exemplary human being dedicated to helping people in need.

Richard DeVirgiliis ND3B \$1,000.00

Former Blurb Editor until his passing in March 2021.

APPLY ONLINE - DEADLINE APRIL 30, 2023

Students interested in applying for any ham radio scholarship can visit [Foundation for Amateur Radio website](#) for further information regarding the available scholarships, eligibility rules and the application.

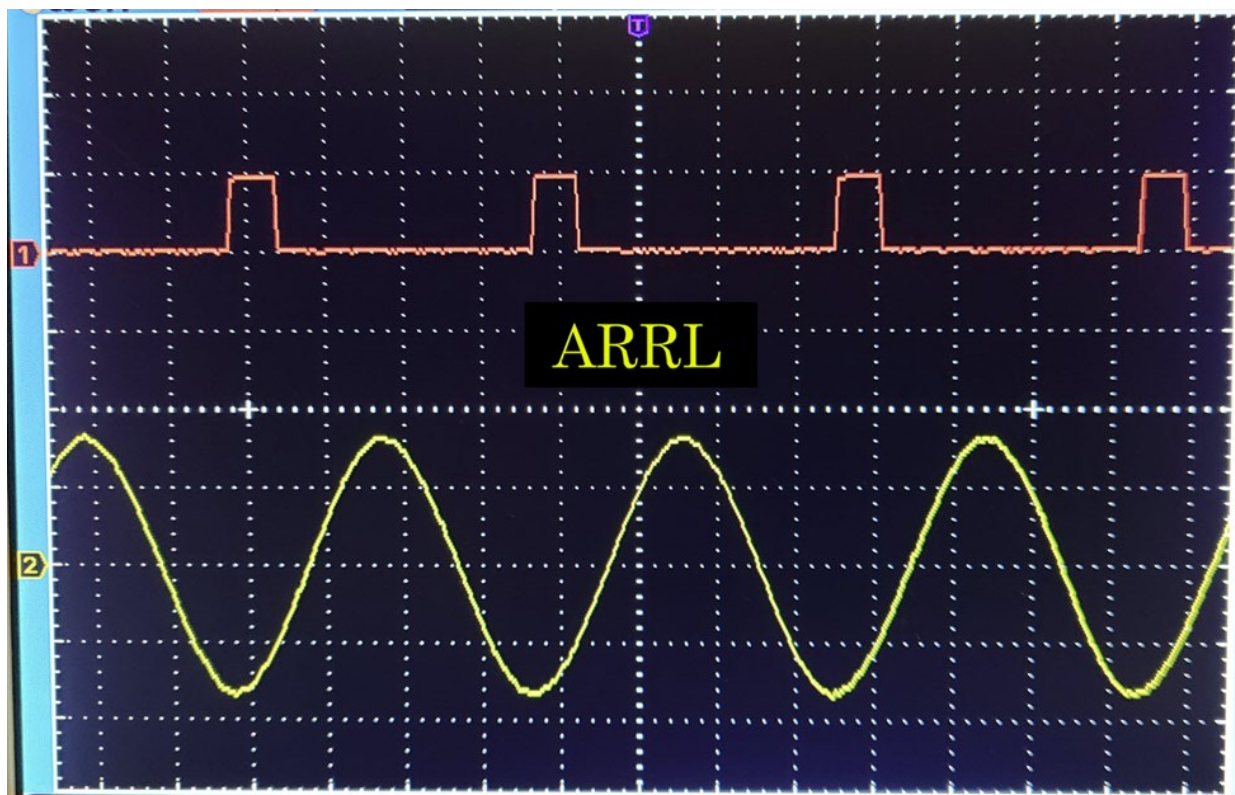
Phil-Mont is recognized by the IRS as a 501(c)(3) charitable organization, and all contributions to the the PMRC Scholarship Fund are deductible by the donor for federal income tax purposes.

Contributions made payable to PMRC, Inc. may be sent directly to Phil-Mont at PO Box 404 Warminster PA 18974.

Saleable ham equipment can also be contributed. Contact PhilMont Board about equipment contributions. Every contribution will be acknowledged by an IRS letter for tax accounting purposes.

ARRL Sinewaves - Now Available!

The ARRL is offering as a spring promotion, genuine ARRL sinewaves generated at ARRL headquarters. These sinewaves are generated in living color and include all 360 degrees of the waveform. Order as many copies as you want for only \$1 each. All sinewaves will be delivered to you in JPEG format, via email, with each sinewave sent in its own separate mailing.



Look at those curves! Can't beat the quality, order one today!

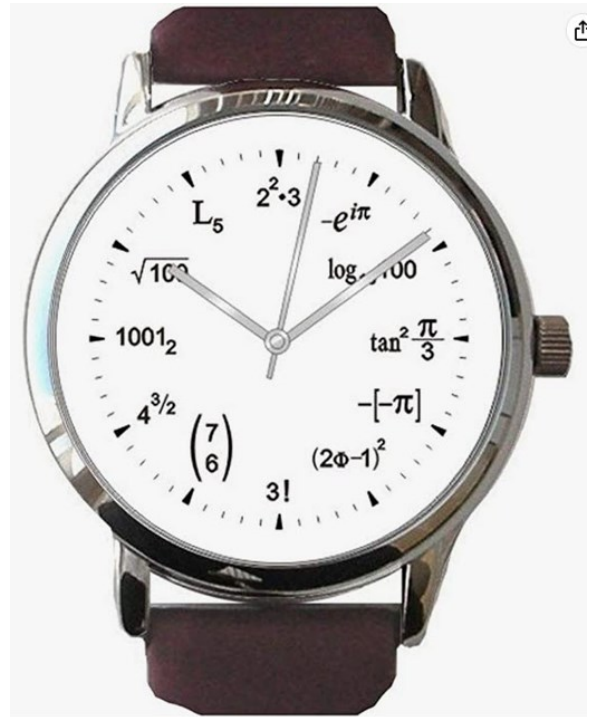
All revenues will be donated to the ARRL sinewave preservation fund.

You too can get your very own copy of a genuine ARRL yellow sinewave. Order now and we will include a red pulse wave at no additional cost. Address all inquiries to ARRL promotions director, Yubin Hadd at ARRL headquarters. Supplies are limited, so order your sinewave today. - de Woody - K3YV

It's Solution Time!

By Woody – K3YV

I hope you all enjoyed the Puzzle Time puzzle. I saw this watch advertised on the internet. It was at once interesting to me, and I ordered one right away. Unfortunately, the watch came with no explanations or instructions. It was just a cheap import novelty watch. Nothing was explained. Well, you cannot present such a mystery to an engineer; I just had to figure it out. I hope you have enjoyed solving the expressions as much as I did. Some of the expressions were easy and some were hard. I had to do some research, but in the end, I got them all figured out. Here are the explanations to each of the twelve mathematical expressions.

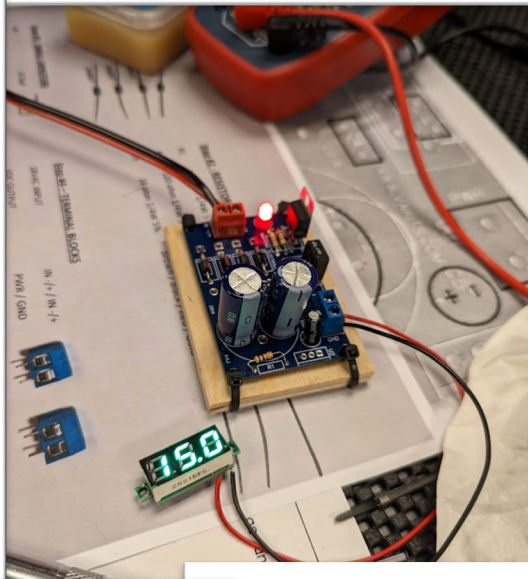
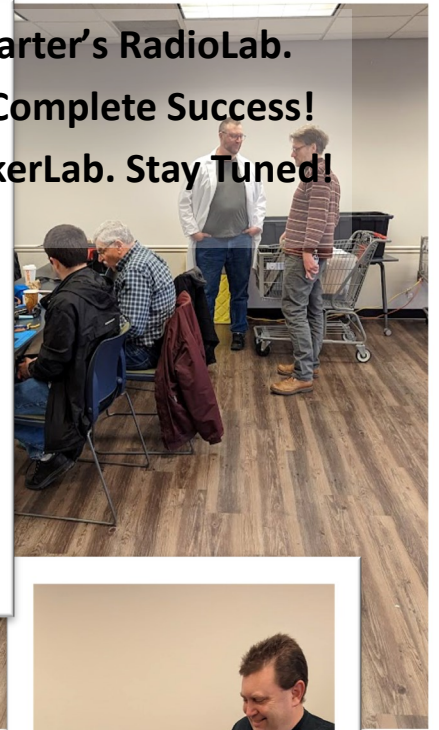
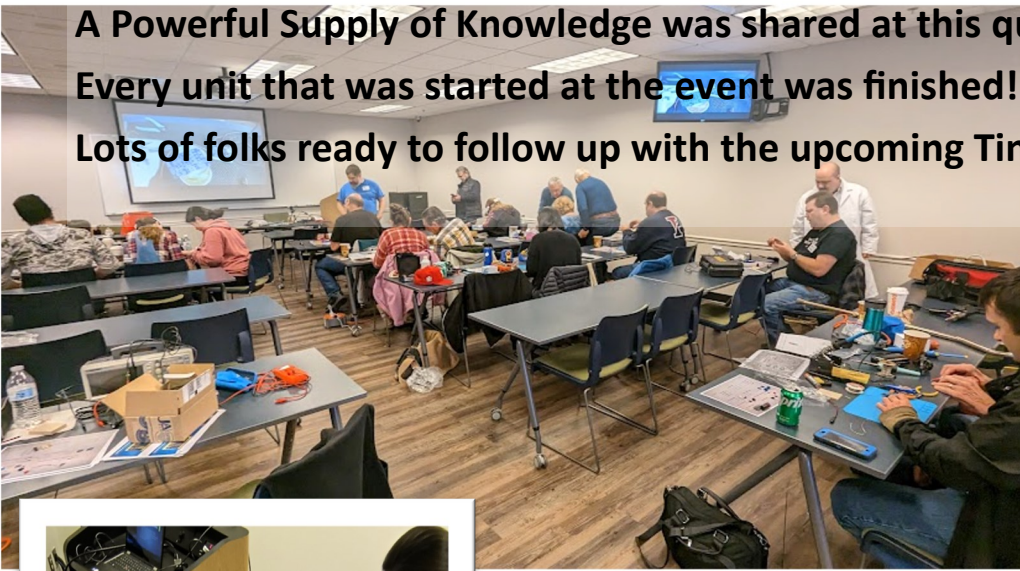


- 1 is Euler's identity with a minus sign to make it positive.
- 2 is the common (base 10) logarithm of 100. The watch hand makes it a wee bit harder.
- 3 involves a trigonometric calculation. Square the tangent of $(\pi/3)$ radians.
- 4 is a bit tricky. Here the "floor" math function is used to round down the value of $-\pi$ to -4 . Then take the negative, which gives a positive 4.
- 5 Here the Greek letter phi denotes the golden ratio, $\phi = (\sqrt{5} + 1)/2$. Simply insert phi into the expression.
- 6 is pretty easy. It is 3 factorial.
- 7 deals with probability. This is the choose function binomial coefficient: $m!/(n!(m-n)!)$
Think seven items taken six at a time.
- 8 is simple. It is 4 to the $3/2$ power.
- 9 is a binary number. 1001 in base 2.
- 10 is way easy. It is the square root of 100.
- 11 is very tricky. "L" represents the Lucas infinite series. The fifth element is 11. Remember the elements start numbering at zero. The Lucas series is similar to the Fibonacci series except it starts with the numbers, (2, 1, 3, . . .).
- 12 is simply the dot product of 2 squared and 3. Both are scalar quantities.

These are my solutions to the twelve expressions. The watch did not come with any explanations or instructions. However, I believe these math explanations are correct. I hope you had as much entertainment solving these expressions as I did. Of course, I am an old nerd, and I still use a Smith chart and a slide rule. ❖

March RadioLab

A Powerful Supply of Knowledge was shared at this quarter's RadioLab. Every unit that was started at the event was finished! Complete Success! Lots of folks ready to follow up with the upcoming TinkerLab. Stay Tuned!



FOR SALE: TYT MD-9600 DMR
Radio - \$225 or OBO. Used and in
excellent condition. Comes with all
parts as shown.



Interested?



Contact James at
KC3NVS@gmail.com



Won't You Join Us...

in ***The DENn!***

Phil-Mont's *Digital Education Net for newbies!*

Tuesday Evenings @8:00pm

W3QV Repeater: 147.030 MHz + 91.5
Allstar Node: 47970

Don't let the name fool you!

All are welcomed to join us and play. It doesn't matter if you are new to Ham Radio, new to digital modes, or are an already experienced ham and digital operator.

We are here to play, learn, and test our equipment.

With the digital modes if you can do it on the repeater you can do it pretty much everywhere, ***including HF.***

*So come on out, test your setup, and **HAVE SOME FUN!***

NET CONTROLS KC3SMW Greg NY3J Ron

From the PMRC Archive...

Here are some highlights from this month in Blurb history, April 1993...

8 **The BLURB**

THE W3TKQ REPORT

The International Voice of The Franklin Institute Science Museum

NASA has spoken, and from the dust of selection, W3TKQ has emerged as one of the select stations for a direct contact with STS-56, the next shuttle mission from NASA. What a thrill it was to be chosen by the Astronauts!

However, we are not alone. Also chosen are:

1. Wilson Jr. High School, El Centro, CA; 2. Jarrettsville Elementary, Jarrettsville, MD; 3. Billings West High School, Iuka, MS; 4. Armand Bayou Elementary, Houston, TX; 5. Australian Schools, Australia; 6. Sedbergh School, Cumbria, England; 7. Portugal Schools, Santarem, Portugal; 8. Johannesburg Amateur Radio Center, Johannesburg, South Africa

While this list is not all inclusive, it does indicate the worldwide configuration of the SAREX mission.

We have not said too much on our repeater about the mission, and that's a sad commentary. I enjoy informing everyone about W3TKQ, but when I heard the "Banana" on the repeater obviously listening and coming in his own sick and evil way, I decided then that I was not going to feed his stupid ego one more time with another drop or fragment of information. This column is a much more satisfactory method of disseminating information.

One thing I want all members of Phil-Mont to be aware of is that we intentionally procured the Musers Choices Forum auditorium, at The Franklin Institute, to receive a "live" transmission of everything happening at W3TKQ during this shuttle mission, so that it can be enjoyed by all members of Phil-Mont, in real time comfort. This is not an easy task to accomplish, and were it not for the help of Chris Brady, N3IEI, we would never have been able to do it. Chris, and the benevolence of Channel 3 and their equipment, will forever receive our thanks.

Please, you all are cordially invited to attend the Gala "live contact" with the STS-56 NASA Shuttle flying over Philadelphia about 250 miles high, with an inclination of 57 degrees, and moving at better than 17,500 MPH. While the live contact will take only about eleven minutes, we will be tracking the satellite all day long with our equipment, and recording all voice and SSTV transmissions as they are made for future use at our meetings. What a thrilling experience it's going to be for the children of the schools involved. I will publish those names as soon as they are selected.

I would like to take this opportunity to thank The Franklin Institute Science Museum, and all the wonderful personnel involved in this venture. Dr. Jim Powell, who is very enthusiastic for the success of this mission, has a lot to be thankful for with his wonderful staff. For without their professionalism and desire to make it all happen, we would be otherwise hard pressed to find more complete and comfortable surroundings in which to make this all happen.

Please, we hope you will all be there for the event. I would like to have all 145 seats filled! It's FREE to all Phil-Mont members. We promise you a thrilling show you'll never forget!!!

1993 The PHIL-MONT Mobile Radio Club, Inc. April

PHILMONT MOBILE RADIO CLUB
W3RQZ-W3TKQ-W3QV

BLURB
April 1993

FOR POTENTIAL NEW HAMS ONLY!
Dial "1-800-32 NEW HAM"

Now, non-hams can contact ARRL's Educational Activities Department on a toll-free number to request free information about ham radio. They'll receive a booklet, a list of nearby ARRL instructors and clubs, and details about *NOW YOU'RE TALKING* and CW training aids.

During regular business hours, a staff member will answer this line to field questions and take requests for the free information. At other times, an answering machine will be on line. This number is dedicated entirely to recruiting new hams. No exceptions can be made.
ARRL Atlantic Division News

Phil-Mont & The Westtown School are selected to participate in the SAREX program!

Sama KATY KORNER

FRENCHIE WANTS THE BLURB STAFF TO USE ONLY COMMEMORATIVE STAMPS * A LA WOODY. PST BUT THEN WOODY HAD METHOD TO HIS MADNESS. LIKE STAMP COLLECTING.

SO YOU WANT US TO USE ONLY COMMEMORATIVE STAMPS

DOO W3TKQ

HOW HE GOT ALL THIS STUFF

Doc. W3SGR IS BUSY WITH CLEANING HOUSE PRIOR TO MOVING INTO HIS RETIREMENT-DOMICILE TOUGHER THAN SNOW SHOVELING HUH DOC?

Frenchie joins Blurb Folding Committee as Chief Stamplicker!

The BLURB 3

The PREZ SEZ

Ed Masarsky, KB3IV

BIG! BIG! BIG!

What's bigger than Andrew, the biggest, baddest hurricane of the century?

What's bigger than last month's blizzard of the century?

Would you believe Phil-Mont and STS-56? Believe it!

This month PMRC, W3TKQ, and The Westtown School will be hooking up via FM voice, Packet, Slow Scan TV and Fast Scan TV with the astronauts aboard the space shuttle on STS-56.

AK2I has his crew worked up to a fever pitch for this project. The students at The Westtown School are busy preparing under the direction of Barry, K3EUL, a Phil-Mont member and W3TKQ volunteer.

We are progressing with our countdown, and hope that NASA has no problems with theirs.

This is another one of the highlights in Phil-Mont's long and varied history. If you are not a part of this project, there are many more activities coming up soon. Keep informed by reading each month's *Blurb*, attending monthly meetings, and listening to '03.

Does it get any bigger, better, or more exciting than this? I don't think so!

The Last Page



The Blurb wants to hear from **YOU!**

Got a hot lead on antenna design? Soldering up a special circuit? Digging some new DSP? Reminiscing about some retro receivers? Maybe you have some goodies for sale?

Click the big blue envelope
and tell us your tale!

PMRC Officers for 2023

EMAIL THE BOARD

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V. President: AA3RC Rich

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KC3SMW Greg (24)

N3PEG Peg(24)

N3ZP Phil(24)

Blurb Editor: *Daniel Wagaman - W4GMN*



Club Email List

The Blurb