



Mike Shy

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Skywatching: Seeing and Understanding Cosmic Wonders June 12th - Salvation

Step outside at any time of day or night, look up, and you're bound to see a world filled with limitless wonders: majestic rainbows, dramatic cloud formations, stirring sunsets, intricate constellations, captivating solar eclipses, and even the distant planets themselves. But these and other breathtaking natural phenomena are more than just pretty objects to be admired. Rather, they're the result of fascinating atmospheric and astronomical processes that describe right in front of you important concepts in scientific fields such as:



cosmology, physics (including optics and electromagnetism), and meteorology and other atmospheric sciences.

These and other processes all too often go unappreciated by the average skywatcher. To truly understand and enjoy the wonders in the sky requires a solid understanding of the science behind where these wonders come from and how they're formed, as well as insights into the best times and places to see them and simple equipment and other steps you can use to improve what you see at any time.

Get an unparalleled visual guide to nature's most mysterious and beautiful offerings with Skywatching: Seeing and Understanding Cosmic Wonders. With these twelve 45-minute lectures, award-winning astronomer and Professor Alex Filippenko of the University of California, Berkeley, has crafted a visually stunning tour of the sky's most dazzling displays, most of which you can see even without binoculars. Using the same dynamic and engaging teaching style that has won him praise from countless lifelong learners around the world, he shows you new ways to see your surroundings and appreciate the marvels of both our planet and the entire universe.

Program provided by Danny KD9HIL

President's Message

At the last meeting we asked the members' present if they had any ideas for a meeting program. I am happy to say that Danny KD9HIL stepped up to the plate and will be bringing in a program. Thank You Danny.

The club has paid our insurance so we are good for another year. On to other subjects...

Microsoft has come out with the latest Windows 10 update Version 1903. So far things have been fixed except for some PCs with old Qualcomm Wi-Fi drivers. I suggest you update your Wi-Fi driver before you update windows. I did that on my systems and had no problems.

If the update happens to break your Wi-Fi, this link may help you fix the problem.

<https://www.techrepublic.com/article/wi-fi-and-bluetooth-not-working-after-windows-10-may-2019-update-heres-how-to-fix-it/?ftag=TR Ee331754&bhid=21608730805927265053562433518941>

If you want to upgrade your system download the Tool:

<https://www.microsoft.com/en-us/software-download/windows10>

You can update directly, download the tool or download a ISO or burn a bootable USB stick.

IT's about a 3.6 gig download. I always first download a ISO, followed by the bootable USB (this self-booted file can be used for recovery) and then run the "update now button".

That's all folks

Mike WA9EVF

SRO Notes for April 9, 2019 (*Or: My Stars!*)

By Jim Hawes AA9DT



TONIGHT'S MEETING opens at the chime of 7:30 p.m. As they say at O'Hare, we have a lot of ground to cover. So we'll soar right to the...

TREASURER'S REPORT. According to Bountiful Bursar Brost WA9FTS, we have money. So apparently the club survived the December party outlay. Make your reservations for next December. Details at the next general meeting.

FUTURE PROGRAMS. Danny Kafka KD9HIL can bring a program about viewing the night sky. The program lasts 45 minutes. Jim AA9DT and Jean KB9FXL suggest a video about Alcatraz prison escapes. (This will not be a how-to presentation.)

TONIGHT'S PROGRAM is a Mike Leibovitz WA9EVF production. Mike demonstrates how to fashion a CD or DVD into an HT radio holder. He brandishes a heat gun that softens the discs. While heating, Mike deftly reshapes the disc on a homemade sheet metal brake. Result: A phone or HT holder. A flat disc becomes the base. Mike glues this to the disc that he's formed into a U-shape. He uses Datey Regular Clear PVC cement. (Chem Weld is a similar, competing product that would probably work.) One note for those who want to try Mike's trick at home: Glue doesn't stick well to the backs (label sides) of discs. Instead, one must glue the two shiny, or data sides together. While the glue dries, Mike uses paper clips to fasten the work together. Mike didn't give details on how to disengage the discs and re-flatten them. (This operation might be necessary so that you can access your family photos and tax records.)

SPACEX RELEASES 60 SATELLITES from one Falcon 9 rocket! On May 24 this year, SpaceX lofted 60 satellites into orbit around the Earth. Sixty is the record for most satellites that ever launched from a single vehicle. These launches are only the beginning of SpaceX's Starlink system that will someday gird the planet with satellites. Eventually there might be thousands more Starlink satellites.

THE PURPOSE OF THE STARLINK SYSTEM is to provide reliable Internet service anywhere on Mother Earth. Each 500-pound satellite can handle 1 terabyte of data per second. The satellites are still positioning themselves. Eventually they'll move into orbits 342 miles from the planet's surface. (The starting orbit was 273 miles out.)

INTERNET SERVICE WILL BEGIN after two to six Starlink launches. This statement assumes that each launch will successfully deploy 60 functioning satellites. SpaceX plans to complete this first batch of launches and go live this year. The service rollout will begin with customers in the U.S. and Canada. In 2020, commercial customers will begin to benefit from Starlink. Before the service goes worldwide, SpaceX will have to complete two dozen launches. The estimate for full deployment is some nine years.

SKY GAZING. At night, observers can spot the satellites with the naked eye. As a group, the satellites look like a luminous string of pearls. The satellites aren't high enough to appear stationary. To see them, one must consult a schedule and check when they'll pass overhead. Each night, the group of satellites makes a visible passage about two or three times. As the group maneuvers in coming days, it will also disperse. As the satellites fly higher and spread apart, they'll become more difficult to see without magnification. According to Elon Musk, eventually there will be up to 12,000 such satellites. They'll last for about five years and then fall back to Earth. STARLINK TRACKER: <https://bit.ly/2QuDteu>

SPACEX PREDICTS that Starlink's profits will finance its Starship and Falcon Super Heavy projects. The purpose of these projects is interstellar transportation, including a Mars landing and colonization.

CHICAGO-AREA OBSERVER Trevor Mahlman posted a YouTube video of the Starlink satellites he's spotted. On May 27 at 12:15 am., he saw four satellites. His video of the sighting appears at: <https://www.youtube.com/watch?v=xpiYaRITHPw>



James E. McLaughlin

December 25, 1942 - May 21, 2019

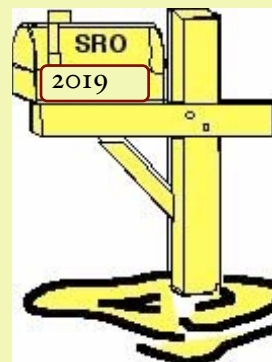
WA9FPT / W9JEM

Meeting



Regular Meeting
Salvation Army - Norridge
April 9th, 2018

Mike WA9FTS
Mike WA9EVF
Jim AA9DT
Jean KB9FXL
Danny KD9HIL
Joe KD9KSE



If you move, let the Editor know your new mailing and email addresses. It is our way of getting Mike Shy to you each time.

Foxhunt Report



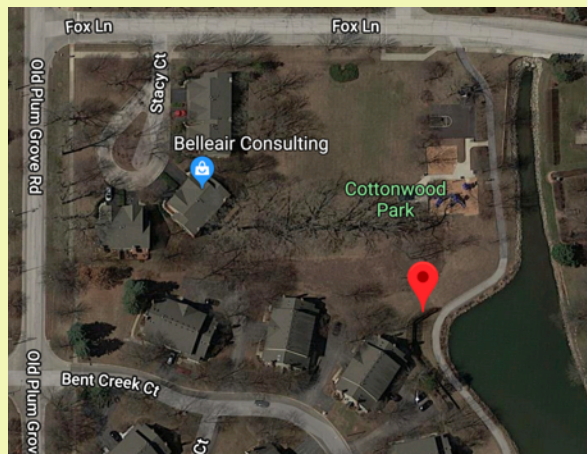
CFAR 2M Foxhunt - April 6th, 2019 by Mike WA9FTS

There were 5 hunt teams that showed up to find John WD9EXW. We had a new hunter who joined Tom - Dave KD9MOM. At first John could not be heard. He upped his power and changed antennas and finally was heard. Four of the five teams heard him with a signal to the NW. Matt took 83 N to 290 N to Kirchoff W to Meacham to Euclid Rd W. We got to Harper College to find out he was close but east. We drove into a residential area and stopped at Cottonwood Pk to see Tom's car. I got out with Jacob and Mac heading to the playground. John was not there. Matt headed further east with Jacob joining him. On the next transmission, I also went that way to see Jacob tell me he found his Grandpa. John was near the walking path on top of a timber wall under a camp blanket. Shortly Don W9RA arrive and headed to John for 2nd. Tom came back to Matt's truck and asked if anyone saw Dave. I volunteered to find him and saw him finding John. John K9JK and Kevin's team had called in to say they gave up in their quest to find John. John was running 30w to a 3 el team up about 8 ft high. We met a Moretti's nearby. Kevin's crew went home and did not join us. Results:

1. Matt KC9SEM, Patt N9PLS, Mike WA9FTS, Jacob, Mac - 8:58PM
2. Don W9RA - 9:07PM
3. Dave KD9MOM, Tom N9CBA - 9:20PM

DNF John K9JK

DMF Kevin 9JPG, Sheryl KC9ZLS, Abby KD9BLP, Colin KD9IZB, Sonja



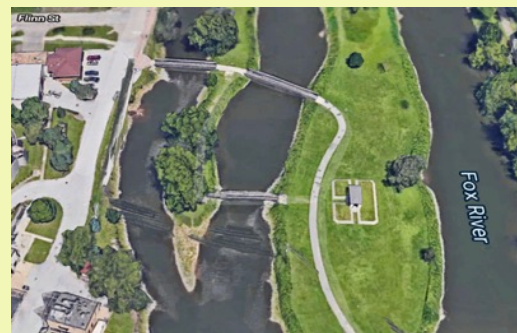
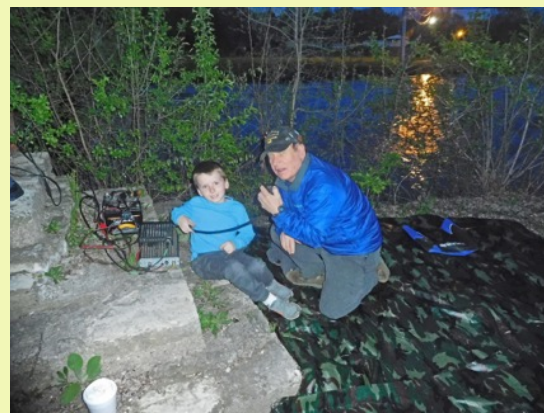
Foxhunt Report



CFAR 2M Foxhunt - May 4th, 2019 by Mike WA9FTS

The weather was great. No rain and it was warm and sunny before the hunt. We drove out to the Fox River and found an island in the middle of the river. Access was by bridges - what could be easier? We were in Batavia and the main road to us was off Wilson St. Four hunt teams were released at 8:02 PM and we thought it would take about an hour to find us. Matt KC9SEM, Jacob and I hid at the south end of a small island west of the larger one. Patty and Mac drove th Ford F250 away so it was not spotted easily. Four bridges could be taken and one connecting the two islands was walled off by metal bars. We chose the west end of this bridge and put down a tarp to sit on. Geese were all around us and some were trying to swim in fast-moving water. Jacob found two geese with small babies close by under the bridge. During the hunt the geese left their nest and entered the water. It proved too rough for them and the got back on land about 20 ft from us. At 8:42 we spotted Tony drive by to the NW. Shortly he ran over the bridge and found us for the win at 8:53. Ten min later Pete K9PW walked up for 2nd. Jacob saw his grandpa John on the other side of the river and then saw Tom. Tom must have seen our antenna and called out his call. He was about 100 ft away. Shortly John arrived for third. It took another 10 min and Tom arrived to end the hunt. We were running 150W to a 3 el yagi up about 25 ft. We chose Pal Joey which was at Randall Rd and Main. Results:

1. Tony AA9CC - 8:53 PM
2. Pete K9PW, John K9JK - 9:03 PM
3. John WD9EXW, Janet - 9:12 PM
4. Tom N9CBA - 9:22 PM



Silent Keys

Tom's wife sent an email to Pete WB9W that Tom Berry K9ZVE/W5LTR passed away. Tom was a SRO member and a past President. He was living in Massachusetts and his wife plans to bring him back for burial here.

April Meeting Program

Mike WA9EVF makes book
ends from DVDs



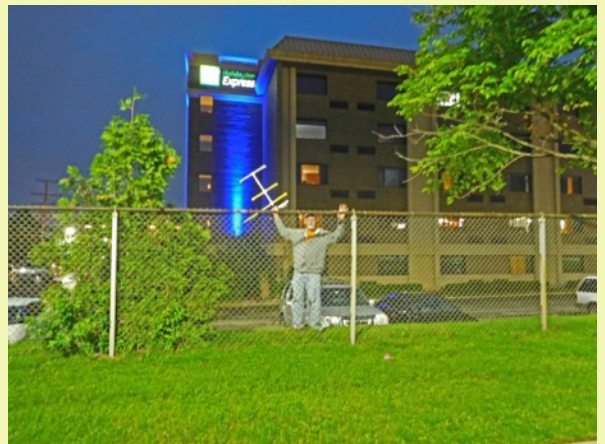
Foxhunt Report

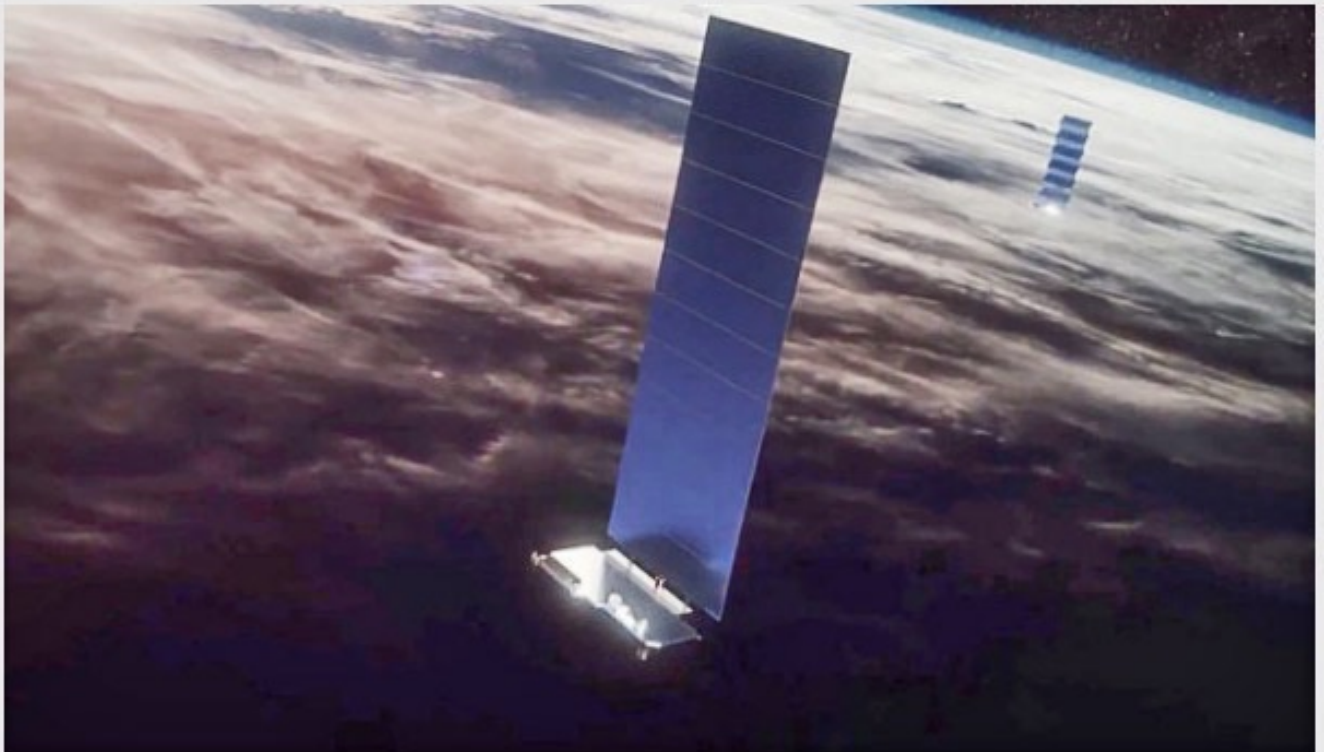


CFAR 2M Foxhunt - June 2nd, 2019 by Mike WA9FTS

It was a cool but dry evening with rain scheduled for later - maybe? Since Tony AA9CC was off kayaking, I hid for the evening. There were 4 hunt teams. I selected Moretti's off Algonquin Rd west of Il-53. The spot I chose to hide was east about a mile south of the Holiday Inn in the U-Haul parking lot. The hunters were off at 8:05 PM. Tom and David must have made all the right moves as they drove up to me at 8:28. I was so surprised that I forgot to take David's pix giving him the 1st place card. Twelve minutes later, Pete and John drove up for 2nd. It took another 16 minutes and John ran up to the fence inside the Holiday Inn. I walked over to give him the #3 card. Shortly Don asked for the munch spot and the hunt was over. Results:

1. David KD9MAM, Tom N9CBA - 8:28 PM
 2. Pete K9PW, John K9JK - 8:40 PM
 3. John WD9EXW, Janet, Jacob, Mac - 9:56 PM
- DNF Don W9RA - 8:59 PM





In this conceptual view, each Starlink satellite unfurls a single solar panel.
SpaceX

SRO Officers

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Mike Shy is published 6 times a year by the Society Radio Operators. Deadline is 2 weeks before the meeting. Contributions are welcome & should be sent to the Editor.

Regular Meeting Place

Salvation Army every even month at 7:30 PM unless other-wise indicated in Mike Shy and SRO web site. Check for exact date & time.

Standing Committees

Membership - WA9FTS
Program - AA9DT
Meeting Refresh. - KB9FXL
Foxhunting - WA9FTS
Repeater - K9IQF
Field Day - WA9EVF
Education - WA9EVF
Mike Shy - WA9FTS
Picnic - WA9FTS
Christmas / Hanukkah Party - WA9EVF
Webmaster - WA9FTS

SRO Web Site

www.w9sro.org
Mike Brost - WA9FTS

SRO Repeaters

	In	Out
CFAR (107.2) PL	147.750	147.150
TOOFAR (110.2) PL	223.260	224.860

Repeater Personnel

Trustee - WA9EVF
CFAR Chairman - K9IQF
Site Maintenance
K9IQF, W9RA & W9BEA
Control Operators
K9IQF, TBD
NW Maintenance
W9JEM
Northeast Maintenance
K9IQF & TBD
Lisle Maintenance
W9AEK

Regular meetings - Salvation Army
- 8354 W Foster Av, Norridge

Board Meetings - Usually every 5th Thursday

Mike Shy

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First Class Mail



**Skywatching:
Seeing and
Understanding
Cosmic Wonders
June 12th - Salvation
Army - Norridge**

