



# SVARA Harmonic

A monthly publication of the  
Saginaw Valley Amateur Radio Association

February 2018

- **SVARA Meeting Presentations**

We are still looking for ideas for meeting presentations. If you have an idea for a presentation or would like to do a presentation after one of our meetings, please contact Mike KD8MMH or any of the board members with your idea.

- **SVARA MONDAY NIGHT 2 METER NET**

Every Monday at 9:00 PM local time, on the Saginaw repeater – K8DAC 147.24, with a 103.5 PL tone or via EchoLink. All are welcome and encouraged to join in.

**Club Meeting Time and Place:**

American Red Cross 1232 N. Michigan Ave. Saginaw

1<sup>ST</sup> Friday of the month at 7:00PM unless otherwise noted. Changes are posted to the club website.

**Club Meeting Dates:**

All dates are Fridays: January 5, February 2, March 2, April 6, May 4, June 1, July 6, August 3, September 7, October 5, November 2, December 7

**Club Breakfast Dates (Ihop on Tittabawasee Rd.):**

A club breakfast is held monthly on Saturday morning after the meeting, 8:30 a.m. at Ihop

All dates are Saturdays January 6, February 3, March 3, April 7, May 5, June 2, July 7, August 4, September 8, October 6, November 3, December 8

**Board Meeting Dates (at Biggby Coffee, 3085 Bay Rd.):**

The Board of Directors meets monthly on the 2<sup>nd</sup> Thursday following the general membership meeting, 7:00 p.m. at Biggby Coffee on Bay Rd. Meeting date may change based on room availability. Changes in meeting dates are posted on the club website.

All dates are Thursday: January 18, February 15, March 15, April 19, May 17, June 14, July 19, August 16, September 20, October 18, November 15, December 20

**ARES Members:**

Ares training for February will be a refresher on Outpost packet radio software. Visit the Ares website for more information. Ares training for March will be SkyWarn training and practice.

**Weekly Nets      Please join us. All licensed operators are welcome.**

<b>District 3 Net</b> 145.310 Sunday 6:00 PM	<b>SVARA (Saginaw)</b> 147.240 Monday 9:00 PM	<b>MARC (Midland)</b> 147.000 Thursday 9:00 PM
<b>D3 Digital Training Net</b> <b>(Olivia 8/500) Seasonal</b> 3.586 MHz USB Sunday 8:00 PM	<b>BAARC (Bay City)</b> 145.310 Tuesday 9:00 PM	<b>MI Digital Traffic Net</b> <b>(Olivia 8/500)</b> 3.583 MHz USB Tues, Thurs, Sat 8:00 PM

## **Saginaw Valley ARA meeting minutes for January 5, 2018**

The meeting was called to order by Brian K8HY, who lead the pledge of allegiance with 8 members and 2 guests present.

Gordy KC8YVD, made a motion to accept last month's meeting minutes as published in the harmonic news and was seconded by Ron KC8YVF. The motion passed.

The report from December was not yet available, so the motion to accept the treasurer's report and was held until the next general meeting.

Brian K8HY, began with the usual agenda, discussing upcoming swaps as well as, the upcoming winter field day contest and Ares training.

Dave W8DW, discussed messages he had received from the club website. Dave also mentioned life membership for Jeff KB8SWR, and the CMEN guys who helped with the grant project. This was tabled due to lack of quorum to hold a vote. Dave also mentioned some intermittent issues with the Davenport site, that he will keep an eye on.

Tom N8EUI, is planning to do a presentation for the club in March. Hope you can make it.

A general discussion was had on work for the new radio room.

Ron KC8YVF, mentioned there were several District and County Emergency Coordinator (EC) positions open.

The lucky winner of the 50-50 drawing, with a winning ticket number of 214680, was one of our guests, James KC8KLH. Congratulations James, hope to see you at another meeting.

The motion to adjourn was made by Gordy KC8YVD, and seconded by Ron KC8YVF.

## **Saginaw Valley ARA board meeting minutes for January 18, 2018**

The meeting was called to order at 7 pm. by Mike KD8MMH, with Mike N8XPS, Dave W8DW, Doris KD8MMG, Tom N8EUI, Brian K8HY, Mary WB8LZA, and Anne KB8AWE present.

Dave W8DW, made a motion to accept last month's board meeting minutes as published in the harmonic news and was seconded by Tom N8EUI. The motion passed.

### **President's Report**

Mike N8XPS, announced that Emmett NE8B, would be resigning from the club. This will mean we need another volunteer to organize the Frankenmuth MS walk in May for this year. The president also reported that the club's tax documents have not yet been filed for this year, noting we have a three-year window.

### **Vice President's Report**

Brian K8HY, discussed the upcoming Winter Field Day. The vice president also discussed creating and sending a certificate to Terry K8SXH, our member in Wisconsin, as a thank you for donating more equipment.

### **Secretary's Report**

Anne KB8AWE, filled in for the secretary. Thank you, Anne.

### **Treasurer's Report**

The treasurer's report was not yet available.

### **General Discussion**

Mike N8XPS, nominated Mike KD8MMH, to be the Chairman of the Board. The nomination was seconded by Tom N8EUI, and passed.

Mike N8XPS, made a motion to reappoint the existing repeater committee members. This was seconded by Dave W8DW. The motion passed

The club auction was discussed. It was mentioned that we need to do a better job advertising the auction to other clubs and hams in the area.

The motion to adjourn was made by Mike KD8MMH, and seconded by Mike N8XPS.

Respectfully submitted,  
Mike Elias K8AVJ  
Secretary

## **Section News**

*Greetings fellow Michigan Section Hams, Jim Kvochick K8JK has stepped in as temporary Section Manager [SM] for the Michigan Section until the end of June, since Larry Camp WB8R stepped down at the end of December after having served since 2012. Elections for the position will be held on May 22nd via a mailed ballot should more than ONE person show interest in running. Petitions must be received at HQ no later than March 9th.*

*See page 81 in the February 2018 issue of QST for instructions regarding how to throw your hat in the ring. But basically, a form with instructions is available online at:*

*<http://www.arrl.org/section-terms-nomination-information>*

*That form also contains instructions how to submit signatures from FIVE (or more) ARRL members nominating you for the SM position. You will also submit your bio information to the ARRL HQ to get your name on the ballot.*

## ARRL News

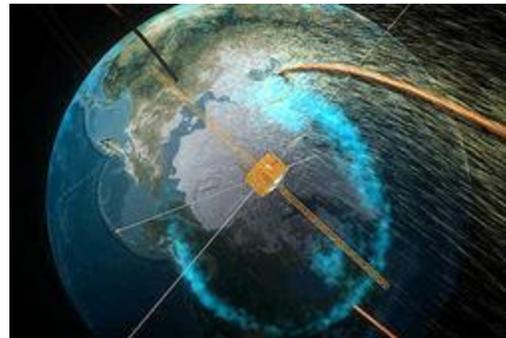
# Canadian Radio Amateur Finds Resurrected NASA Satellite

When he's not on ham radio, Scott Tilley, VA7LF, an amateur astronomer, hunts spy satellites. Using an S-band radio from his home in Roberts Creek, British Columbia, Tilley routinely scans the skies for radio signals from classified objects orbiting Earth, according to a [recent article](#) on [Spaceweather.com](#). Earlier this month, he saw the signature of IMAGE (Imager for Magnetopause-to-Aurora Global Exploration), a NASA spacecraft believed to have died in December 2005. The [discovery](#) has delighted space scientists.

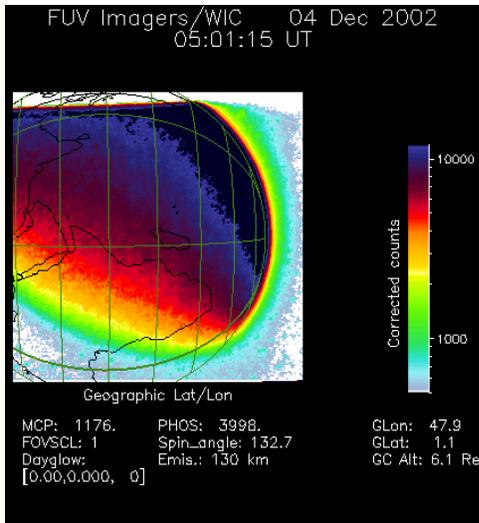
"The long gone and nearly forgotten IMAGE spacecraft has come back to life and been detected by an amateur astronomer," said Mission Manager Richard J. Burley at NASA's Goddard Space Flight Center (GSFC), which confirmed that what Tilley spotted is, indeed, IMAGE. Amateur observer Paul Marsh, M0EYT, in the UK, provided the first independent confirmation of the IMAGE signal.

NASA [said](#) on January 29 that observations from five sites were consistent with the RF characteristics expected of IMAGE.

But just to make certain beyond a shadow of a doubt, scientists at Johns Hopkins Applied Physics Lab collected telemetry from the satellite that identified the spacecraft as IMAGE. A NASA team has been able to read some basic housekeeping data from the spacecraft and will continue to analyze data from the spacecraft to learn more about its condition. This will require adapting old software and information databases to more modern systems.



Artist's conception of IMAGE over the North Pole.



**IMAGE tracks a 2002 eclipse that was visible from a narrow corridor in southern Africa, the Indian Ocean, and southern Australia.**

After the spacecraft went silent, an unsuccessful 2007 effort was made to track IMAGE in the hope that a "long shadow encounter" would drain the battery enough to cause IMAGE to reset its control hardware. When that effort failed, the mission was declared to have ended. Space scientists now theorize that an even longer eclipse -- or other event -- did reset the system and bring the transmitter back to life.

Launched in 2000 on a mission to monitor space weather, IMAGE mapped plasma patterns around Earth, keeping tabs on the planet's magnetosphere as it responded to solar activity; on-board ultraviolet cameras shot [images](#) of Earth's auroras. "It had capabilities that no other spacecraft could match -- before or since," said Patricia Reiff, a member of the original IMAGE science team at Rice University.

Reiff said UC Berkeley still has a ground station that was used for real-time tracking and control and is scrambling to find the old software to see if they can get the spacecraft to respond.

"[IMAGE's] global-scale auroral imager would be fantastic for nowcasting space weather," Reiff said. "Fingers crossed!" -- *Thanks to Alex Schwarz, VE7DXW; Spaceweather.com; NASA*

Do you need help programming your HT? Come to the next meeting, bring your HT, any manuals you have, and we will do our best to help. Don't have a manual? We'll still give it a try.

## 2018 SVARA Officers

<b>President</b>	Mike Linton N8XPS	<b>Board Member</b>	Mary Paquette WB8LZA
		Term expires 2018	
<b>Vice-President</b>	Brian Kleinfeld K8HY		
<b>Secretary</b>	Mike Elias K8AVJ	<b>Board Member</b>	Doris Miles KD8MMG
		Term expires 2019	
<b>Treasurer</b>	Anne Elias KB8AWE	<b>Board Member</b>	Tom Schmidt N8EUI
		Term expires 2020	

## 2018 SVARA Appointments

### Newsletter Editor

To subscribe or submit articles, please send requests to  
 Mike Elias K8AVJ      ke8avj@gmail.com

### Emergency Coordinator

Ron Huss, KC8YVF      989-799-2679 kc8yvf@rhuss.cncfamily.com

### Public Info Officer

Tom Schmidt N8EUI      989 245-7429 tschmidt50@charter.net

### Repeater Committee

Ron Huss, KC8YVF  
 Dave Paquette, W8DW (Trustee)  
 Brian Kleinfeld. K8HY  
 Jeff Metiva, KB8SWR

### SVARA Elmers

General Questions	Joe Turner, K8CQF	k8cqf@arrl.net
CW (Morse Code)	Dave Paquette, W8DW	w8dw@qsl.net
Contesting	Dave Paquette, W8DW	w8dw@qsl.net
Hamnet/Meshnet	Mike Elias, K8AVJ	ke8avj@gmail.com



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