



The Maple Lake Flyer

A newsletter of EAA Chapter 878, Experimental Aircraft Association

EAA Chapter 878: a part of the aviation communities of Maple Lake, Buffalo, and surrounding areas of Minnesota.

32 Years.....1986 – 2018

April, 2018

- **EAA CHAPTER 878 MEETING NOTICE**

Saturday, April 21, 9:00 a.m.

(Yes, note that this date is the **THIRD** Saturday of the month, not the second per our normal schedule! The reason is that a Young Eagles event has been planned on the 14th.)

In May we will resume our summer meeting schedule on the second Tuesday of the month.

At: Maple Lake airport (KMGG), in the hangar of Tim and Carla Bond (hangar in the first row of hangars parallel to runway). Let your nose be your guide!!

This meeting features a PANCAKE BREAKFAST served to all chapter members and family!! Come hungry!! Menu is pancakes, eggs, sausage, orange juice, coffee and “monkey bread” (bread NOT made by that “hangar monkey!”).

General meeting following breakfast.

- **GARAGE SALE, APRIL 19 - 21**
by Barb Zabel

As previously advertised, a Chapter 878 Spring Garage Sale is being held April 19-21 at the Maple Lake Airport in the hangar of Allen and Barb Zabel and Greg Thomes (east end of first row of hangars parallel to the runway). Proceeds will benefit the chapter.

Hours are 9 am to 5 pm each day.

I’m still accepting donations to the sale. Let me know what you can contribute (tax deductible donation) to the chapter. Check your attic, basement, garage, storage shed, etc. for things in good condition that you no longer need or use.

Anything donated to the garage sale that does not sell will be returned to the people that donated it, or we’ll further donate it to SA or Goodwill.

For more information, contact Barb Zabel at 763-360-6286 or zabe_73@hotmail.com.

Note that the garage sale will overlap our April 21 chapter meeting. Come and have some breakfast, then do some “sale-ing.”



- **FLIGHT TO SUCCESS**
by Greg Thomes, Chapter President

As we come out of a particularly harsh Minnesota winter, *dreams* of floating above central Minnesota vehicle traffic abound in the minds of most pilots. They do for me!

In the 1979 Oak Ridge Boy's hit "*Dream On*"...the group sings "*Let Imagination Take You.*" I challenge our EAA membership to use your *imagination* this summer to fly where-ever your *dreams* take you. It may take a little doing. But, we as a pilot's organization aren't getting any younger. Make plans to fly now.

As Jesse Owens said after winning 4 gold medals in the 1936 Berlin Summer Olympics, "We all have *dreams*. But in order to make *dreams* come into reality, it takes an awful lot of determination, dedication, self-discipline and effort."

Don't waste a minute making your *dreams* come true.

May your skies be bright and breezes light.

Greg



- **BUFFALO PANCAKE BREAKFAST FLY-IN, JUNE 10**

See the fly-in poster included with this newsletter for the 2018 Buffalo Fly-In Pancake Breakfast hosted by EAA Chapter 878.

As noted on the poster, this is much, much more than just the pancake breakfast. There is also a great car show and the afternoon will wrap up with an air show performance by Mike Wiskus in the Lucas Oil Pitts Special. For those who have attended before, you know this is a great package deal of entertainment! If you haven't been to the Buffalo fly-in before, make this the year to change that!

The pancake breakfast is a great fund raiser for the chapter. Or, at least it is when we don't get nasty weather moving through all morning as we did last year! Keep your fingers crossed for good weather.

As with any chapter fund raising event, whether it is this pancake breakfast, or our pork chop dinner, or our recent chili feed, the key to success is having the support of the chapter membership in the form of volunteer contributions of your time. Please plan to help as you are able.

The Buffalo fly-in is listed on the following websites:

- ✓ MN Department of Aeronautics, aeroinfo.dot@state.mn.us
- ✓ EAA, <https://www.eaa.org>
- ✓ Social Flight, <http://socialflight.com>
- ✓ Flyins.com, <http://Flyins.com>
- ✓ Midwest Flyer, <http://midwestflyer.com/>

It will also appear in the Minnesota Flyer magazine as well at <http://www.mnflyer.com/section/events>

Help to pass the word. Hang up a poster during your travels and talk it up among your friends.

Remember to regularly check our chapter's website and Facebook accounts:

<http://www.878.eaachapter.org>



www.facebook.com/EAAChapter878/

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● MORE CHAPTER 878 AWARDS

Shown to the right, EAA Chapter 878 President Greg Thomes presented a Certificate of Appreciation and a Service Pin to Pete Radintz at the March meeting in recognition of Pete's service as vice-president of the chapter for the year 2017.

Also awarded was a "MVP" (Most Valuable Pilot) trophy to Kyle Weatherly for his 2017 contributions to the chapter as the Eagle Flights Coordinator and as our Fly-Out

Coordinator, as well as his contributions to aviation through service as a member of the Buffalo Airport Board.



● CLASSIFIED ADS

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Note: the "Classified Ads" section of this newsletter is a place to list your notices for Help Wanted, For Sale, For Trade, etc., etc. Items listed should be generally aviation related. Listings are no charge to chapter members. Non-members may take advantage of this service by contacting the Newsletter Editor for costs and conditions.

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- **MARCH MEETING PROGRAM PRESENTATION**
by Wayne Flury

Wing Leader Bill Tischer of the Commemorative Air Force (CAF) Minnesota Wing (shown to the right) presented a review of the history of the CAFMN Wing, their aircraft and activities. The Commemorative Air Force Minnesota Wing is currently home to six aircraft, a large motor pool fleet, and has a unique collection of World War II artifacts on display.

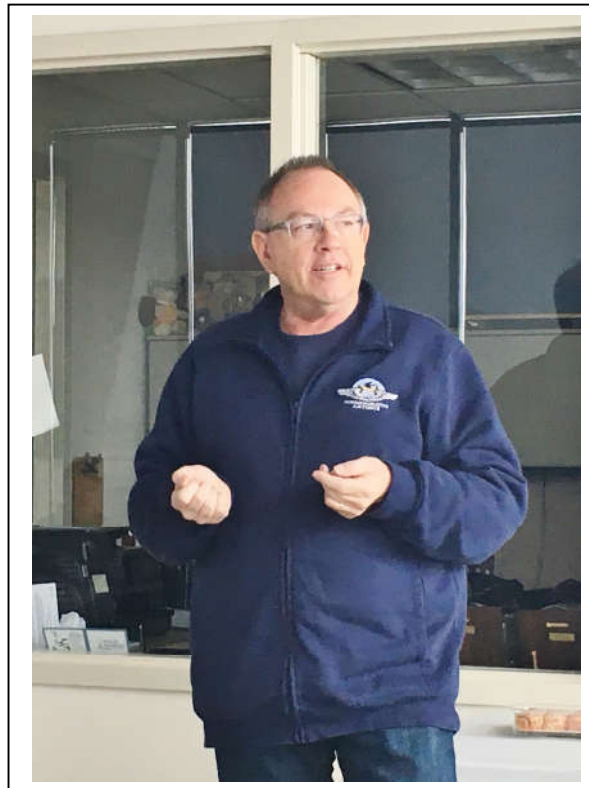
The Wing attends many air shows, parades, and other events throughout the year, and hosts two hangar dances and several museum events at their facility.

He discussed the flying characteristics of each of their aircraft. He invited and encouraged all to visit their museum. It was a very interesting and well received presentation.

Bill noted the CAF's mission: "The mission of the CAF is education, such that generations of Americans will value and support the contributions of military aviation in assuring our nation's freedom."

You'll find their displays and museum at the South St. Paul Airport. For much more info, see:

<http://www.cafmn.org/>.



- **YOUNG EAGLES FLIGHTS ON APRIL 14 – VOLUNTEER HELP NEEDED**
by Kyle Weatherly, Young Eagles Co-Coordinator

(Ed. Note: Kyle Weatherly and Kurt Pennuto have agreed to take over the chapter Young Eagles leadership position, joining together to add both of their personalities and passion to this youth aviation program.)

April 14 will kick off the 2018 Young Eagles flights program for EAA Chapter 878. At the time of this writing, snow covers the ground and the temperatures are headed downward. Here's to hoping for more pleasant weather ahead!

The April 14 event will be held at the Buffalo Airport, centered on the Arrival / Departure Building. We're spreading the word about the flights and are hoping for a good response. The first flight of this year will be a learning experience for both myself and Kurt as we get up to speed on the various Young Eagle support materials, registration, recruitment of ground school personnel and pilots, plus outreach to the local schools.

Please consider volunteering your time in any capacity you feel comfortable. If you can help, please contact me at: 612-965-1610 or k.weatherly@live.com. Kurt's contact is: 612-209-3478 or kpenn_41@charter.net.



- **CHAPTER 878 AVIATION EVENTS – 2018**

Apr.	21	EAA Chapter 878 meeting, 9:00 am at Tim and Carla Bond's hangar, Maple Lake Airport
	19-21	Chapter 878 Garage Sale
	17	IMC / EAA878 meeting at Thunderbird Aviation (KFCM), 6:30 pm
May	8	EAA Chapter 878 meeting, 7:30 pm
	22	IMC / EAA878 meeting at Thunderbird Aviation (KFCM), 6:30 pm
June	10	Buffalo Fly-in / Chapter 878 Pancake Breakfast
	12	EAA Chapter 878 meeting, 7:30 pm
	26	IMC / EAA878 meeting at Thunderbird Aviation (KFCM), 6:30 pm
July	10	EAA Chapter 878 meeting, 7:30 pm
	23-29	EAA AirVenture Oshkosh
	24	IMC / EAA878 meeting at Thunderbird Aviation (KFCM), 6:30 pm

Note: this list generally will not detail the many pancake breakfasts and other fly-ins or local aviation events because they are already well documented on other sites which are dedicated to that purpose. For that information, see the EAA Chapter 878 website, www.878.eaachapter.org/, other websites such as <http://www.flyins.com> and www.socialflight.com, or the various Calendars of Events in magazines, websites and airport bulletin boards.

- **YOUR YEARLY CHAPTER 878 DUES ARE DUE (LAST CHANCE)**
by Wayne Flury

Your dues to EAA Chapter 878 for 2018 became due in the period of January through March. Your membership in the chapter is dependent upon maintaining a current "dues-paid" status.

As established in our chapter bylaws, "Payment of dues shall be made to the Chapter Treasurer and shall be payable January 1 of each year for the period of January 1 through December 31. Membership privileges will end on April 1 if dues are not paid by April 1."

Important: if you joined the chapter in the middle of the year, please check with our Chapter Treasurer Dick Burns regarding your individual status. Persons joining late in the calendar year have generally been considered to be "Paid" for the following year.

Contact info for Chapter Treasurer Dick Burns is: 9620 50th St. W 612-723-3052 / 952-473-1887
Veseli, MN 55046 dickburns1@aol.com

As noted in the Chapter Info on the back page of this newsletter, our dues structure is: Dues are \$10 per year for members up to 35 years of age, \$25 per year for age 35 and over.

Note (1): Chapter dues are not the same as your national EAA dues.

Note (2): Also, if you are receiving this newsletter, but no longer want to be a part of our chapter, please let us know that too.

A Chapter Roster of all chapter members will be distributed next month.

- **TAX DEDUCTIBLE DONATIONS TO THE CHAPTER**
by Wayne Flury

If you purchase something for the chapter (that is, it becomes property of the chapter and is not just something you bring occasionally for the chapter to use at an event), you may claim this purchase as a tax-deductible donation to the chapter.

REMEMBER – EAA Chapter 878 is a 501(c)(3) organization and (currently) any donations you make to the chapter are tax deductible! Help the chapter and help your tax situation at the same time!!

- **IMC CLUB**
by Dave Wendt, Coordinator – IMC/EAA 878

IMC/EAA 878 Club meetings:

Fourth Tuesday of each month at 6:30 PM **(except for this month, April, when we will meet on the 3rd Tuesday, April 17)**



This month's IMC/EAA 878 Club meeting will feature a presentation about planning for and executing the Final Approach. The presenter will be Chris Glaeser, a member of the IMC/EAA 878 Club, an EAA Life Member, and an airline and military experienced pilot

NOTE: meeting location –

Class Room at Thunderbird Aviation at Flying Cloud Airport (immediately West of the Elliott Aviation Building and our previous meeting place at Inflight Aviation)

IMC Pilots Strive to be IFR Professionals – Always: Current, Competent, Proficient
Trusting: Judgment, Decisions, Curiosity

ATTENTION: All interested pilots (IFR & VFR), are you interested in joining IMC/EAA 878 Club? Cost is \$37.00 total dues per year. All meetings are free and open to all IFR and VFR pilots. Our Mission and Purpose is to become BOTH current and proficient pilots!

For more information and program content each month, please contact Dave at DaveWendtInsurance@gmail.com, or 612-272-4600.

- **CHAPTER VOLUNTEER OPPORTUNITIES**

MOBILE SIGN TRAILER MANAGER

The chapter has two mobile sign trailers (a donation to the chapter under our non-profit status). Renting them to local businesses and organizations is a potential source of chapter income.

A person (or persons) is needed to organize and direct this effort, and will include advertizing, establishing a rental price, setting up contracts with renters, monitoring condition of the trailers, and general supervision of the program. We also need to be sure we are in compliance with any regulations regarding rentals of such equipment, and insurance.

The signs have been used for the February 3rd Maple Lake Ice Fishing Derby, so we're already into the business! You can help the chapter take the next steps!



CHAPTER ASSETS MONITOR

A person is needed to assume the responsibility of maintaining a record of Chapter 878 assets (tables, chairs, file cabinets, cooking equipment, etc.). A partial list already exists, but needs to be updated and verified. Assign a value to each item and record storage location, condition, notes about future replacements needed, make recommendations for acquisitions, etc. Update as new assets are acquired or disposed.

- **PULL TO PUSH, PUSH TO PULL**

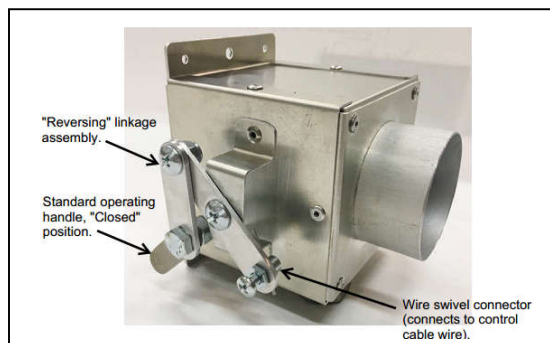
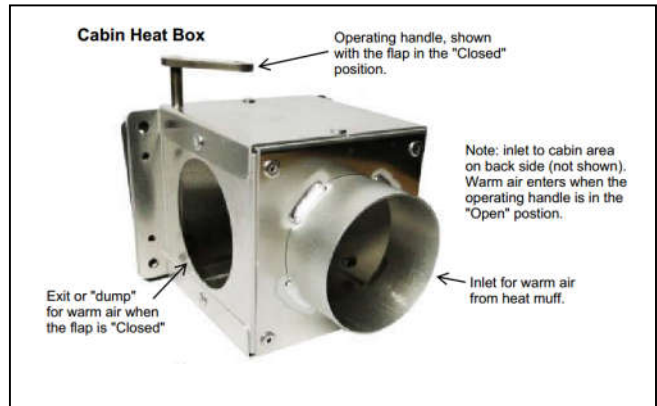
Or, "How I 'Field Engineered' a control device on a Cabin Heat Box for a Sonex."
by Wayne Flury

What?!

I want my Sonex to have cabin heat available. I don't plan to do much "winter" flying, but on cooler days I want to be able to pull on a control knob and have deliciously warm air flow into the cabin. Or, at least I want to believe that I'll get warm air flowing into the cabin. It remains to be seen if the temperature in the cabin will actually in any way be affected.

I ordered a custom heat muff to install over the single final exhaust pipe (the exhaust system that came with my engine is a "4-into-1" system) and a cabin heat box to mount on the firewall. The heat box has a lever operated flap valve to divert warm air either into the cabin or dump it overboard when cabin heat is not desired. I'll use 2" SCAT tubing to connect the heat muff to the box.

However, the placement and direction of movement for the lever on the heat box was not compatible with the restricted location choices for mounting the heat box on the firewall (particularly true for the tailwheel version of a Sonex because of the construction of the engine/landing gear mount). To install a standard cabin heat box with the exit on the bottom would necessitate routing the operating cable down under the heat box and then back up to the operating lever. That would require an extra long control cable and a complex routing of the cable with a relatively tight bend to make the final connection to the heat box.

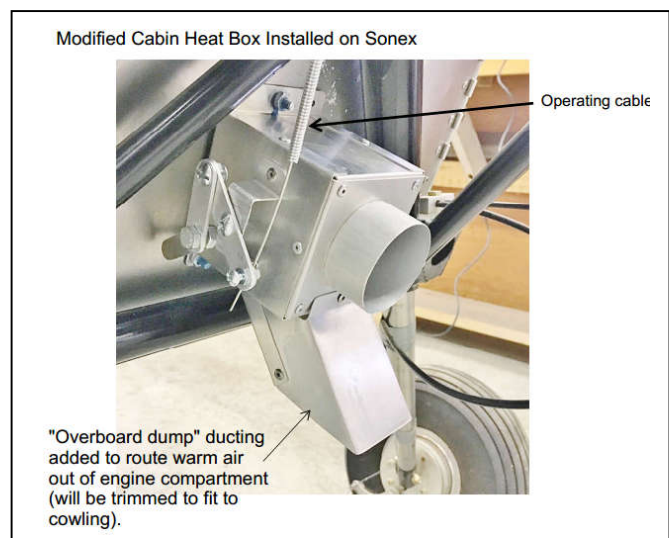


My solution was to add a "reversing linkage" as shown on the photo. I didn't invent this – it's a simple linkage design for problem solutions on many applications – but by the time I figured out the correct length of the linkage pieces and proper location of the mounting bracket, I was ready to claim to at least be an engineering technician! It was really mostly eyeball engineering plus trial and error (lots of trial and many errors). Hey, building an airplane is touted as an "educational" experience, right?

The addition of this device allows me to "pull" a knob on the instrument panel (the knob is one end of a wire which is connected to the reversing linkage) which then "pushes" the cabin heat box valve from its "Closed" to "Open" position. Vice versa when pushing the knob on the control cable to shut off the heat.

Contact me if you would like more info on how this was made.

Note: if you ever have to make large diameter holes in stainless steel firewall material (in my case, 2" dia.), I can tell you how I did it, but there aren't any easy methods. And please, don't ask me to help you with the labor!



● EAA CHAPTER 878 and MAPLE LAKE FLYER INFO

EAA Chapter 878
PO Box 169
Maple Lake, MN 55358-0169

www.878.eaachapter.org/
a 501(c)(3) non-profit organization

The *Maple Lake Flyer* is published monthly by Chapter 878 of the Experimental Aircraft Association (EAA) for the use, education and enjoyment of Chapter members and others to whom it is provided. No claim is made for the accuracy of materials presented. Editorial content is the opinion of the contributor and does not necessarily reflect the position of Chapter 878 nor the EAA.

Submissions for publication are encouraged and should be sent to the attention of: Newsletter Editor (see address below).

Send "change of address" information, email address and phone number changes to Newsletter Editor.

Permission is granted to other Chapters to reproduce any or all of this publication, with credits to be acknowledged, excepting "The Funnies" cartoon which is the intellectual property of Wayne Flury.

Chapter meetings are normally held at 7:30 p.m. on the second Tuesday of each month (except for the winter months of January – April when we meet at 9:00 a.m. on the second Saturday morning). Meeting location and time may vary each month, depending upon the meeting program. Our December meeting is a family social event held at a local event center, with date, time and place to be determined annually.

Dues are \$10 per year for members up to 35 years of age, \$25 per year for age 35 and over.

Current Officers, Leaders and Coordinators of EAA Chapter 878:

President:	Greg Thomes	763-443-7039	greg@thomesinsurance.com
Vice-President:	Peter Radintz	320-963-1980	peradintz@hotmail.com
Secretary:	Wayne Flury	763-670-6021	wflury@wh-link.net
Treasurer:	Dick Burns	952-473-1887	dickburns1@aol.com
Newsletter Editor:	Wayne Flury	763-670-6021	wflury@wh-link.net
Young Eagles Co-Coordinators:	Kyle Weatherly	612-965-1610	k.weatherly@live.com
	Kurt Pennuto	612-209-3478	kpenn_41@charter.net
Eagle Flights Leader:	Kyle Weatherly	612-965-1610	k.weatherly@live.com
Fly-Out Coordinator:	Dick Borrell	612-799-3337	dbborrell@yahoo.com
Technical Counselor:	Dick Burns	952-473-1887	dickburns1@aol.com
Chapter Librarian:	Harold Greseth	763-682-5486	hjpgreseth@gmail.com
Chapter Roster Monitor:	Wayne Flury	763-670-6021	wflury@wh-link.net
RV-4 Build Project Coordinator:	Tom Rammel	320-286-5283	Tom.Rammel@zeiss.com
IMC/EAA 878 Club Coordinator:	David Wendt	612/272-4600	DaveWendtInsurance@gmail.com
EAA Chapter 878 Website	Elaine Morrow	952-913-2356	pilotelaine@aol.com
Chapter Manager of Non-Profit Programs	Barb Zabel	763-360-6286	zabe_73@hotmail.com
Facebook Leader:	Barb Zabel	763-360-6286	zabe_73@hotmail.com
EAA Chapter Advocates:	All Members		

The list of volunteer leaders for EAA Chapter 878 continues to grow!

Due to the increased size of this listing, my monthly cartoon has been pushed onto the next page. That's a good thing. Thank You

- **THE FUNNIES**
by Wayne Flury

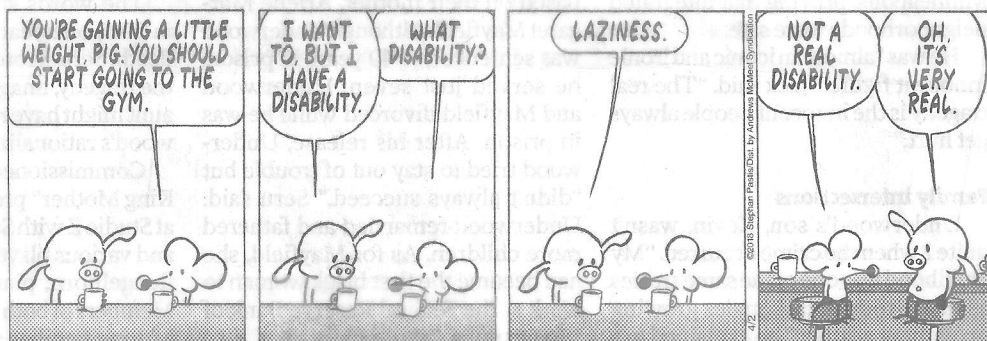


Roger was befuddled. Did his psychiatrist say he should *exorcise* or *exercise* his demons?

4/2018

It should come as no surprise to anyone that I read the daily comics in the StarTribune. One that caught my eye on 4/2/18 is the "Pearls Before Swine" strip reproduced below. I think I share "Pig's" disability! At least, that's the excuse I'm going to start using.

PEARLS BEFORE SWINE STEPHAN PASTIS



2018 GREAT MINNESOTA AVIATION GATHERING

...celebrating aviation in Minnesota

ANOKA COUNTY - BLAINE AIRPORT (KANE) - GOLDEN WINGS MUSEUM
8797 AIRPORT ROAD - BLAINE, MN 55449

Friday, April 27th, 9am to 9pm
Saturday, April 28th, 9am to 4pm

Admission \$10.00 per person - per day - Free to MNPilots members and attendees 18 and under



See over 40 aviation exhibitors - Participate in FAA Safety Seminars
Participate in the AOPA Rusty Pilots Seminars (admission still required)
Enjoy many different aviation forums - Meet with pilots from across the Upper Midwest



MINNESOTA
PILOTS ASSOCIATION

www.mnpilots.org · info@mnpilots.org
763-494-7744 · www.facebook.com/mnpilots

Feel free to contact us to become an exhibitor or sponsor of this premier event!

BUFFALO

FLY-IN

**Breakfast &
Car Show**

**JUNE 10,
2018**



- **CARS**
- **AIRPLANES**
- **AEROBATICS**

PANCAKE BREAKFAST

Serving 7:30am-12pm

Hosted by:

**West
Metro
Aviation**

Sponsored by:

EAA Chapter 878
Maple Lake, Minnesota



Free meal for PIC
www.878.EAAchapter.org
www.westmetroaviation.com

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