



March

Minneapolis, Minnesota U.S.A.

2016

Wow! A Really Timely TCRC Auction!

by Jim Cook

It took a long time, but TCRC finally came up with the formula to have a great auction and still have it end at a reasonable time. The last item for sale went on the block at 2:30 in the afternoon, more than three hours faster than the 2015 edition of the auction.



The buyer registration desk was a busy place as hobbyists arrived early and eager for the 2016 TCRC Auction. (Photo by Jim Cook)

The doors opened earlier for buyer and seller registration, and the start time for the first item to go up for sale was moved up to 9:00 AM. In addition, the seller check-in personnel steered items that might not get a minimum opening bid of \$20 to a new 'bargain table' which eliminated these items from taking up auction time. In addition, 11 higher-priced items were routed to a 'silent auction' area, thus eliminating them from the auction block also.

The Friday night work crew had done a nice job getting the church set-up to accommodate the earlier arrival times, and those arriving early found a well-organized layout.

Steve Meyer had his team operating efficiently as the many spectators and buyers paid their admission and registered.

Larry Couture had the seller check-in crew handling all of the arriving airplanes and equipment and lines were down to a minimum.

The impound crew were kept very busy putting all of the planes and equipment into the three impound rooms, plus getting the 'items coming up for bid' area organized.

Shawn Dwyer had his concessions crew busy from the opening bell and they sold a lot of the morning special – coffee and a donut.

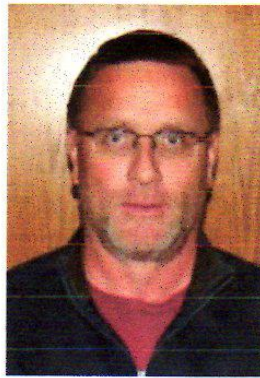
Although the weather was pretty cold, there wasn't any snow in the forecast and the sunshine kept the sidewalks dry which in turn helped keep the entry area clean.

Prospective buyers were let into the impound areas around 8:30 AM for a close-up view of the hundreds of airplanes and equipment prior to the auction start.

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A Note from The Head Wing Nut

By Bob Briesemeister



Hello TCRC Members!

The 40th annual TCRC auction is in the books! A lot of planning and prep work goes into the auction every year. The day comes and before you know it the auction is over and we start thinking about how to improve it for next year. We made a few changes to the format, like the bargain table, silent auction and moving the start time up a half-hour. I have had feedback from members and non-members that they liked the changes. I think there are ways to tweak both the silent auction and the bargain table for next year.

With those changes and the number of items down this year from a near record setting total last year, the auction was over by 3:00 p.m. Both the patrons and members were happy to be done early. Another comment that I heard was the quality of the items had improved. Hopefully some members were able to take home a nice purchase or two... I know I did!

This huge undertaking cannot take place without the over 60 volunteers both members and non-members. Remember if you worked the auction you are eligible to win one of the gift certificates we will be drawing for at the March membership meeting. You do not need to be present to win.

We made a change to the TCRC café this year by adding 6-inch subs to the menu. It was a good alternative to the hot dogs. Along with that change we also had a new lead person heading up the café. I would like to thank Shawn Dwyer for taking the lead here and making some successful changes.

I would like to thank our auctioneers Scott Anderson and Jim Cook for keeping things moving on the stage. Thank you to Tim Wirtz and Pat Dziuk and all who did the record keeping and treasury duties. For those who worked and donated food items to the TCRC café a big thanks, as well to the runners and impound workers for moving all 379 items to and from the stage and then back to the buyers after the auction was over. And last but not least thanks to everyone who stayed and helped to put the church back together.

That's enough about the auction, let's start thinking about building and flying. The builders' contest will be held at the May membership meeting. The program this month will be on the changes to the contest but I'm getting a bit ahead of myself. On April 2nd the April Fools Fun Fly and on May 7th will be the Field Clean Up and Fly In. All the dates for 2016 events are on the website.

Jim Lundquist and I did a road trip on Feb 21st to scope out the Duluth RC auction. Their auction was run a bit different than ours but some similarities were noted too. Jim came home with a nice Balsa USA quarter-scale Cub project to work on. I will share what we learned at the next member's meeting.

Raffle prize for this month is a Hanger 9 J-3 Cub 40 ARF. Retail price is \$225.00. Join in on the fun for only \$5.00 a number. **J**

Calendar

- Mar. 8** **TCRC Membership Meeting and Auction Prep, 7:00 PM**
CrossPoint Church
Bloomington

- Apr. 1-3** **Toledo Weak Signals Air Expo**
Toledo, Ohio

- Apr. 2** **April Fool Fun Fly**
TCRC Jordan Field
10-10-10 Rule

- May 7** **TCRC Jordan Field Clean Up & Fly In**

- May 10** **TCRC Building Contest**
Chris O'Connor



TCRC Auction

Continued From Page 1

John Hanna manned the bargain table and he had some early sales prior to the start of the main auction.

At 8:45 the impound area was cleared and everyone found their seats in the main hall.

Auctioneers Scott Anderson and Jim Cook gave all of those in attendance a review of the rules, and some pointers to those bidding to help keep the bidding auction fast-paced.

At precisely 9:00 AM, Scott led off with the first item to go on sale – a Parrot drone, and from that point on, the action was non-stop. Scott and Jim had plans to sell one item every minute from start to finish. When the dust had settled at 2:30, 379 items had been sold in 330 minutes for an actual time of one item every 52 seconds.

When the last item went up for sale, the seats in the audience were still pretty full. Most of the prospective buyers had stayed until the end. This can partially be attributed to the fact that TCRC had 8 very nice airplane kits, given to TCRC at very reduced prices, by Hobby Warehouse, Big Sky Hobby, Hub Hobby and Hobby Zone, that were to be given to 8 different bidders, and none of the winners could be TCRC members. Larry Couture had been the organizer of this raffle, and this did help keep the bidders there to the end. But I think the people stayed also because the items up for sale were of good quality, and the fast-paced action of

Continued On Page 4, Col. 1

The Concessions Crew Kept All In Attendance Well-Fed



Smiles, Service and Great Food were on the menu of the Concession Crew, and nobody left the TCRC Auction hungry or unhappy.

(Photo by Jim Cook)

The Bargain Table At The TCRC Auction Was A Great Success



John Hanna was in charge of the bargain table which was designed to keep items that may not get an opening bid off of the auction block. Early action kept John pretty busy. (Photo by Jim Cook)

Thanks For Making The 40th Annual TCRC Auction A Great Success!

TCRC Auction A Great Looking Impound Crew!

Continued From Page 3

the auctioneers kept the event interesting.

The TCRC members and their spouses and friends turned out in great numbers, so that all of the crews were well-staffed. This is both TCRC's biggest fund raising project and its biggest manpower project, and a great turnout of members is the key ingredient in the success of the event.

There were a lot of very interesting items up for sale. Completely constructed airplanes were, of course the number one item, and they ranged from tiny indoor flyers to giant-scale planes. Glow and gas planes were the majority of the sales, but electrics were numerous also, and the electrics still seemed to get good prices. There were lots of engines, including several 4-strokers, and many vintage ones got nice prices. There were a few 2.4 radios which got reasonable prices, but 72 MHz radios were lucky to get opening bids. There were a lot of helicopters this year also. Kits were good sellers, and vintage kits got good money.

Both auctioneers, Jim and Scott, felt that the quality of the items was better this year, and sellers got a little higher price for their items.

Ending at 2:30 was a breath of fresh air to all of the workers, and to the bidders and sellers. The impound crew had done a nice mix of products and the last items got as good of prices as the earlier items did this year. Everyone was very happy to finish early. Even clean-up was pretty well done by 4:30 PM.



The impound crew put on the most miles, running from one room or the other and up to the auction staging area. (Photo by Jim Cook)

Going, Going, Gone!



Scott Anderson sells a nice sport plane as Gerry Dunne readies the next item for bid. (Photo by Jim Cook)

Thanks to the TCRC Board for having great organization for the auction. Thanks for all of the members, spouses and volunteers who turned out to make a tough job go unbelievably smoothly. A really big thank you to CrossPoint Church for making their building available.

Treasurer Tim Wirtz will give the final numbers to the club at the March 8th TCRC meeting.

(Editor's Note: To give you an idea of how much activity every worker has at the auction, my Fitbit registered 15,000 steps at the end, which is about seven and one-half miles! The impound boys did a lot more!) J

Pictures From TCRC's 40th Annual Auction



The crowd settled into the comfortable chairs at the auction and kept the bidding spirited throughout the course of the day.



Prospective buyers were let into the impound area at 8:30 AM to get the close-up looks at the planes and equipment they wanted to buy.



Eight nice airplanes were provided at low prices by Hobby Warehouse, Big Sky Hobby, Hub Hobby and Hobby Zone for raffle prizes.



The seller check-in was very efficient. This area is critical to make sure that items are screened for acceptability, and properly logged in.



Tom Steinmueller, owner of Hobby Warehouse, has had a booth at the TCRC Auction for many, many years and has been a great supporter of the club in its many events.



The calm before the storm. This is what the auction area looked like in the early morning before the start of the auction. The clean-up crew had to return the room to the same condition.

More Pictures From TCRC's 40th Annual Auction



Jack Stewart and Jim Lundquist were responsible to record the correct number of each auction item, the buyer and the correct selling price.



Jim Cook came back from warm Arizona to be one of the two auctioneers. He and Scott Anderson have handled that role for many years.



Scott Anderson kept a steady stream of dialogue going as he moved through the many auction items. One item per minute was the goal.



Unsung heroes! Conrad Naegele and Morgan Larson were on the stage all day, marking the sold items and getting the paperwork done correctly.



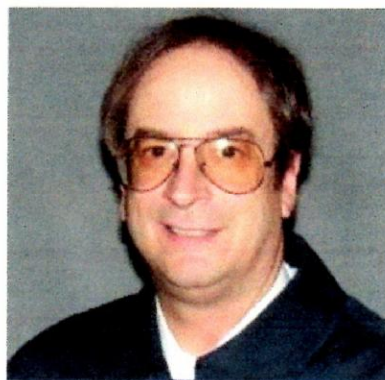
President Bob Breisemeister inspects the small item table in the impound area.



As the many airplanes were checked in, the larger aircraft ended up in two auxiliary rooms.

The Right Seat

by Mark Wolf



Hi Everyone!

The TCRC Building Contest

The TCRC Building Contest entry is limited to our club members and is generally an open (all aircraft types) type of contest. The basic requirement has been a complete model airplane, ready to fly, with engine/motor, and radio equipment installed. The models are only static judged at a regular club meeting. There is no current flying requirement nor is there a requirement that the model has had to have been previously, successfully flown. A long-standing tradition of our club: The annual TCRC Building Contest. It's an opportunity to present our models and highlight our building efforts in a friendly competitive manner among club members.

There are many options when it comes to building a model these days. ARF's, Bind-n-Fly, Plug and Play, Parts made from plans, Complete/semi kits, Individual designs, or scratch-built. Maybe re-building or re-finishing. Many choices of power, materials, features to include, functions or details. Civilian, Military, Sport, or Aerobatic, the list seems almost endless. Whatever you'd like to build, another favorite or your 'next airplane', it's out there somewhere, waiting to be built.

These are some of the many choices to consider in just building the model. Consider also the variety of building skills and experience level amongst the individual club members. Bringing all of these variables together in a finished model and comparing them to several other models can be an interesting process. How then is one model judged to be better than the other(s)?

Two club members walk into the building contest and each enters the same airplane in competition (Hey – that sounds like the beginning of a party joke!). The Parkzone North American T-28 Trojan, scale, ARF – Bind-N-Fly (wingspan: 44 inches) for example. One entry is the overall white with orange cowling and trim – US Navy color-scheme version. The other entry is overall silver/gray with dark blue cowling and trim – US Air Force color-scheme version. Identical builds (airframe, motor, speed controller, prop, battery, etc.). Which model is going to be judged as being better than the other?

With respect to branch of service loyalty or favorite color(s), what about the criteria used to make that judgement? What determines the difference between a fair/better/good or excellent condition? How does one assess a rating on a scale of 1 to 10 for example to a particular aspect, feature or overall craftsmanship of a model? Can those guidelines or other guidelines be applicable to several different types of aircraft entered (i.e. trainer, sport plane, scale, scratch-built, military. Civilian, other)? Also our judges have a variety of experience and their subjectivity becomes part of the mix as well.

The contest rules change slightly from year to year as we try to continually make improvements to the overall process. The focus on and recognition of the building efforts, reflected in the finished model airplane of the builder's choice, is the goal. The program at the March 8th membership meeting will be about the upcoming building contest official rules and requirements, presented by the contest chairman. This year's building contest is scheduled for the May 10th membership meeting.

Different areas of interest in model aviation are prevalent throughout the hobby and diverse in our club. As such, size doesn't necessarily matter, electric motors can be a substitute for cubic inches in an engine, and the choice of a color scheme appears to be unlimited. There's still some time to put the finishing touches on that latest entry and remember as the saying goes: "The decision of the judges is final!" Have fun. **J**

**See You At The March 8th
Meeting!**

Jim Cook Receives TCRC's Walt Billett Award

Each year TCRC awards a person from the hobby who has best personified the purpose of the club: "To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes." This award was named for Walt Billett who was the proprietor of a hobby store in Minneapolis in the 50's. He was very active in the airplane hobby. The award has been given for almost as many years as TCRC has been in existence and it is a great honor to be named the recipient.



Jim Cook receives the Walt Billett trophy from Scott Anderson at the TCRC Annual Auction. (Photo by Steve Meyer)

The Walt Billett Award committee consists of the previous three winners of the award, and it is that committee's task to select the next recipient. In 2015 the committee consisted of Bob Breisemeister, Tim Wirtz, and Corey Kaderlik.

Jim was presented the 2015 Walt Billett Award because of his continued dedication to putting out the TCRC newsletter, which he has been doing continuously since 1987. From that time until the end of 2015, a span of 28 years, he has created and edited 338 issues of the *Flare Out*, each having an average number of 12 pages, or more than 4,000 total pages.

The award is normally presented at the TCRC annual banquet in November, but Jim was not able to attend that event, so the club waited until the annual auction on February 13th to make the presentation at that time.

Congratulations to Jim Cook for being the 2015 recipient of the Walt Billett Award. **J**

FAA Registration Required To Fly Model Aircraft

As of February 19, 2016, you must be registered with the FAA before you fly any model aircraft outside in the United States.

Registration is for anyone who flies a UAS, regardless whether they are modelers, hobbyists, commercial, etc. If you fly any R/C aircraft within the description, you must be registered.

You must have proof of registration in your possession anytime you are flying an UAS outdoors.

Your UAS must have your registration number on the outside of the aircraft or in the battery compartment.

One registration covers all of your aircraft.

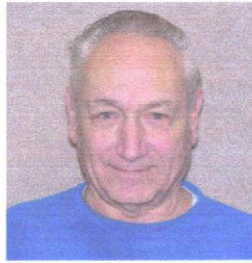
If you have not registered, you can go to faa.gov/uas/registration and follow the steps to register. Cost is \$5.

The penalty for failing to register can be \$27,500 in civil penalties, and criminal penalties could have fines up to \$250,000 and/or imprisonment for up to three years.

If you haven't registered with the FAA and are planning on flying outdoors, please take the time to register today. **J**

Safety At The Field

By Larry Couture



When you read this article I will be in Yuma hopefully flying in some of the greatest weather in the world. Just thought I would make you all a little jealous.

One of the safety items on my mind is what if the engine starts backwards!!!! The plane pulls to the rear and you are in a position where your upper arm can get cut by the prop when you try to hold or stop the plane. With that being said and cold weather upon us and the possibility of backward starting being more prevalent, just be extra careful this winter.

When the snow is here we tend to fly on areas other than the blacktop so be very careful that the other fliers and you are aware of what's happening at all times. This is best accomplished by verbal communication with each other, as to take offs and landings.

One thing that seems to happen more often than everyone suspects is that fuel tanks leak. I have found that over time the rubber hardens and shrinks and the tank leaks at the stopper, and the fix is to tighten the screw and the leak stops. The next leak found is the tank splits in the molding seam; this is only fixed by tank replacement. When a tank leaks the fuel can get on the battery or the receiver and they are not compatible with this fluid and the plane is in crash mode. So checking for this problem before take-off is very easy and should be part of the preflight check.

Another problem that can occur is the battery or receiver has not been restrained enough and it or they can move around and disconnect and this results in a crash. So checking this as also very simple.

Everything is so simple and yet so easy to overlook, it just makes good judgment to check and check.

That's it for now. Every landing that you can fly again after is great but not always graceful, so just keep the rubber side down and have a lot of fun. J

AMA All Season Flyers



To obtain an AMA All Season Flyer patch, a pilot must put at least one flight in outside each month during a calendar year. This is quite an accomplishment for a pilot in the state of Minnesota.

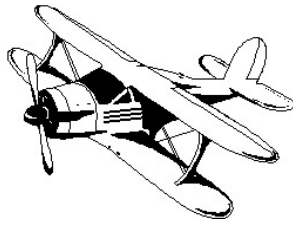
With January and February 2016 already gone, if you were able to get a flight in in each of those two months, the hard part of qualifying for your 2016 ASF patch is already done. The rest of the year should be a cake walk.

The club has several of the AMA ASF patches (pictured above), plus the tabs for multiple years. Several members of TCRC has qualified for this achievement for many, many years.

So, if you have already flown outside in January and February of this year, make the commitment to become an All Season Flyer in the year 2016. J

Safety Always Comes First!

Show & Tell



Two nice airplanes showed up for Show & Tell at the February 9th membership meeting. Unfortunately I did not obtain the data sheets on each of the aircraft. However Jim Ronhovde was able to get pictures to me of the planes and pilots.

Pizza And Pop At The February 9th Meeting



The February 9th meeting was slated as the final planning session for the TCRC Annual Auction scheduled for the very next Saturday.

The club sprang for the cost of pizza and pop for all in attendance at the meeting, in appreciation for the time commitment they would be making at the auction. Thanks to Jim Ronhovde for acting as the club photographer at the meeting. **J**

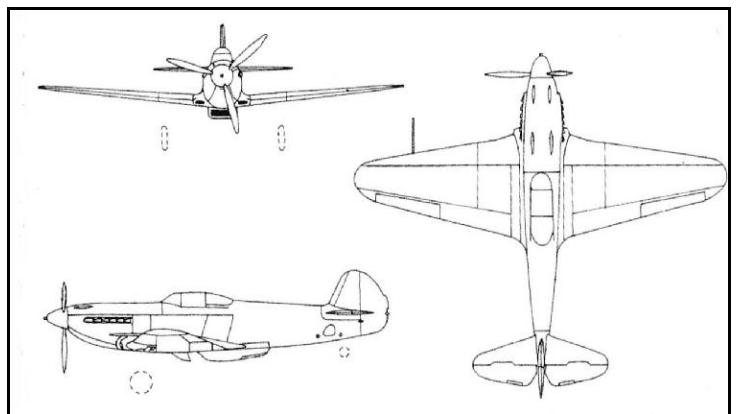


Delano Stein had a nice looking scratch-built plane from plans by Gordon McCay.



Duane Murphy had a scale Albatross that he had purchased at the recent swap meet.

March Mystery Plane



TCRC Auction Raffle Winners 2016 TCRC Dues

The 40th Annual TCRC Auction is now history, but it will remain in the memory of eight lucky people who attended the auction this year.

With the arrival of the New Year comes the time to renew your TCRC club dues.



Smiles are on the faces of the eight lucky people who each won a brand new airplane at the TCRC Annual Auction. (Photo montage by Scott Anderson)

Because the auction usually lasts so long, the TCRC board decided to have a raffle for non-TCRC members that attended the auction. The drawing would be conducted at the end of the auction and the winners had to be present to win. Hobby Warehouse, Big Sky Hobbies, Hub Hobby and Hobby Zone gave eight nice kits to TCRC at very reduced prices.

TCRC member Larry Couture chaired this project and drew names from the bidder card registration to determine the winners. There were a few names that were drawn who had left the auction early, thus those prizes were awarded to other registrants drawn by Larry.

This program was very successful, as most of the registrants were present as the last item went across the auction block.

Thanks to Hobby Warehouse, Big Sky Hobbies, Hub Hobby and Hobby Zone for the reduced pricing on the kits, and thanks to Larry Couture for chairing the event.

The TCRC board of directors elected to keep the dues the same over the 2015 level:

- Regular \$85.00
- Junior \$42.50
- Social Affiliate \$30.00

Dues invoices were handed out at the December 8th meeting if you were present, or mailed on December 9th.

Remember, to be a member of TCRC you must be a member of AMA and supply proof of that membership at the time of your TCRC renewal.

Your TCRC dues can be paid to treasurer Tim Wirtz at a meeting or by mailing them to Tim at:

Tim Wirtz
2422 Downing Avenue
Shakopee, MN 55379

The TCRC board also held the initiation fee for new members or members who had not paid their dues for the previous year. The initiation fee is \$75.

When you pay your dues you will receive a letter informing you of the new gate code at the Jordan Model Air Park.

Take the time to pay your 2016 TCRC dues today. J

Support Your Local Hobby Shop

Consolidated PBY-4 Privateer

by Conrad Naegele

The February Mystery Plane was the Consolidated PBY-4 Privateer.



I think most airplane people know of the B-24 Liberator. It was rather hard to fly, tended to catch fire, and was very vulnerable to crashes. Nevertheless, it was the most produced American warbird of WWII. At the peak, the Ford Willow Run plant was producing a completed B-24 every 55 minutes. A total of all models, 18,481 were produced.

Late in the war the U.S. Navy decided the day of the flying boats was just about over, and land-based (bombers) were the way to go. A new updated B-24 was produced. It had longer fuselage, upgraded engines (the supercharger was eliminated), as patrol boats did not need altitude. This resulted in added fuel and armament.

The PBY-4 now had twelve 50 caliber guns and six turrets, rudimentary radar and much more armor for the eleven man crew. Of course, the Privateer retained the laminar flow, David airfoil. This laminar flow was most noted on the popular P-51 fighter.

While only 739 PBY-4's were built, it continued on in service long after the war ended, coming off inventory in 1958. Some were sold to foreign countries, most were scrapped. The FAA records showed three are still flying and many are on static display.

The Privateer was powered by 4 Pratt and Whitney 18-cylinder R1830-92 engines, each developing 1,350 horsepower. It had a wingspan of 110 feet, and a gross weight of 65,000 pounds. It had a range of 2,820 miles and could carry 3,964 gallons of fuel. J

Field Gate Access Code Changed

The access code for the gate at the Jordan field has been changed.

After a TCRC member has renewed his membership for 2016, he will receive a letter informing him of the new code. J



TCRC Apparel Available

by Tim Wirtz

Tim Wirtz has TCRC clothing and apparel that is for sale to club members.

There are T-shirts, a few sweatshirts and caps available. Prices are:

- T-Shirts \$10.00
- Caps \$10.00
- Sweatshirts \$17.00
- Sweatshirts (2XL+) \$19.00

If you are interested in purchasing an item of TCRC apparel, give Tim a call at 952-941-5357 and he will bring it to the next meeting. J

TCRCOnline.com

February Raffle Winner



Darryl Volk won the February raffle at the TCRC monthly meeting on February 9th. He has been a previous raffle winner but was quite happy to win again. He became the proud owner of a Flyzone Extra 300 SX with a retail value of \$160.

At the March 8th meeting the raffle prize will be a Hanger 9 J-3 Cub 40 ARF with a retail value of \$225. Chances are only \$5/each and you may enter as many times as you wish. Come to the monthly club meeting on March 8th at CrossPoint Church in Bloomington and be the next winner of the TCRC raffle.

Upcoming Items At The Auction



Bidders could easily see the next items for the auction block.

THE TCRC FLARE OUT Monthly Newsletter



TWIN CITY RADIO CONTROLLERS INC.

Purpose: To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes.

2016 Officers

President	Bob Beisemeister	612-964-8877
Vice President	Mark Wolf	612-207-3128
Secretary	Jim Ronhovde	952-854-9062
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TCRC Flare Out

Editor James R. Cook 952-445-5257
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 & Mike Timmerman 952-496-1631

Website: <http://www.tcrconline.com>

TCRC meets every month on the 2nd Tuesday at 7:00 PM in Fellowship Hall of CrossPoint Church located on the southeastern corner of the intersection of 98th Street and France Avenue in Bloomington. Guests are welcome to attend these meetings.

What A Great TCRC Auction!


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