

SHROUDLINES

A Dallas Area Rocket Society Production

DARS
NAR Section #308
Sep / Oct
Vol 10 Number 5



NARAM 44

The Dallas Area Rocket Society's bid to host NARAM-44 August 4-9 at McGregor, Texas with Scott Hunsicker as Contest Director is accepted by the NAR National Events Committee. The events approved by the NAR Contest Board are:

- B Altitude
- E Eggloft Altitude
- 1/2A Parachute Duration
- C Helicopter Duration
- B Eggloft Duration
- B Boost/Glide
- C Rocket/Glide
- Sport Scale
- R&D
- Pro Sport Scale (Demo)

Please feel free to publicize this approval as widely as you wish, effective immediately.

Thanks very much to you and to all the members of DARS who have stepped forward and volunteered to deliver this important service to the National Association of Rocketry.

Cordially,
Trip Barber
NAR 4322
Chairman, National Events Committee

With that one message from Trip Barber DARS has started down a path of long days and hard work. We have little less than a year to pull off the largest NAR contest events.

NARAM is the National Association Of Rocketry Annual Meeting. It's going to be a 6 day national event that includes contest flying, sport flying, static entry judging, dinners, and family fun events.

At last year's NARAM, in Geneseo, NY, there were 112 contest fliers, and over 170 showed up at the dinner. I was also told by one source that there was around 150 Sport fliers sending up rockets. We are looking at needing to make arrangements for over 200 people not including families.

Some of the work has already started. Scott has had one meeting to discuss a few topics on NARAM. Bill Gee, Tim Sapp, and Eric Vandergriff have also started the NARAM web site.

There are going to be many jobs that need to be filled for NARAM 44. If you have an idea or a job that you feel you would like to do to then send an email to the following address:
CD@NARAM2002.Org.

The official web site for NARAM 44 is WWW.NARAM2002.Org. Thanks to Eric Vandergriff we also have a NARAM 2002 Logo that will be used with all of the publications, t-shirts and press-releases.

So, start making plans now to attend the DARS hosted NARAM 44. August 4th—9th at McGregor Texas. It's going to be an event that you don't want to miss.

Tim Sapp

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December is that time of year that DARS nominates and elects new officers for the next year. I figured that it would be a good time to start talking about what it is to be an Officer for DARS.

There are currently 5 officer positions in the DARS by-laws that have to be elected at the December meeting. This article is to introduce you to the positions, duties, and requirements of each office.

All officers shall be members in good standing of both the section and the NAR.

PRESIDENT

To call and preside over meetings, organize events, and to see that order is kept at section activities. The President will ensure that the range equipment is maintained in good working condition. The President may assign other duties to officers and members.

The President must be a senior or leader member of the NAR.

VICE-PRESIDENT

To assist the President, or to take over in his absence.

To act as the section Launch Coordinator unless an alternate person has been appointed by the President.

The Launch Coordinator has these responsibilities:

To ensure that the site and facilities used by the section for rocketry activities conforms to the applicable safety codes;

To obtain the clearances, waivers and permits required to operate a launch legally under FAA and local regulations; and to appoint the Range Safety Officer (RSO) for each section launch.

The Vice-President must be Certified Level 2 and a Trained RSO.

SECRETARY

To take the minutes of the meetings and to conduct correspondence and to preside at meetings in the absence of the President and vice-president. All official emails from DARS will be sent by the club secretary.

TREASURER

To maintain section funds and finances, and to control disbursements and receipts.

Sr. ADVISOR

To advise section officers and to act as liaison between the section and the NAR, and to perform duties as directed by the NAR. The Sr. Advisor will also provide and grade the L2 Test.

The Advisor must be a senior member of the NAR.

Here are a few notes from the DARS By-Laws about the election procedures.

Election of officers shall be conducted at the first meeting of the new calendar year. All officers shall serve a term of one (1) year.

Nominations shall be made from the floor, and the nominee having the largest number of votes being elected.

A candidate for election may request that ballots be cast in secret. Votes cast in secret should be counted and recorded with the total number of votes verified by the President. Ballots for secret vote may be 3x5 cards or pieces of paper identified with a sequence and date. Ballots cast and counted should not be retained after the count is verified.

The President may appoint an election committee of at least two impartial members to conduct a vote by secret ballot.

I have been the DARS Sr. Advisor for the last year and I have to say it's been a great way to be involved with rocketry. I have met more people made more "rocket friends" by doing this than just showing up at the meetings or the launches.

I'd suggest that if you have the least bit of desire to be an officer for DARS that you let someone know. It's a great way to be involved and help direct how rocketry is going to be advanced in the Dallas Ft. Worth area.

Tim Sapp
DARS Sr. Advisor

Launch Calendar

Oct 20th	Model Rocket Launch	BSA Camp Wisdom
Oct 27th & 28th	Shoot for the Stars	Windom Texas
Nov 17th & 18th	NTHP19	Windom Texas
Dec 15th	Model Rocket Launch	BSA Camp Wisdom



See [HTTP://WWW.Dars.Org](http://WWW.Dars.Org) for more details

A Busy year for Texas

If you read the front cover of this newsletter you have seen that NARAM is being held in Texas next year. This is not the only thing going on in Texas.

Texas is showing it's power as a state that is involved in Rocketry. We have several things scheduled for next year and at least three of them are national events. Here is a brief overview of the three national events for 2002.

NARAM 44 — National Association of Rocketry Annual Meeting. A 6 day national event that includes contest flying, sport flying, static entry judging, dinners, and family fun events

[HTTP://WWW.DARS.Org](http://WWW.DARS.Org)
[HTTP://WWW.NARAM2002.Org](http://WWW.NARAM2002.Org)



NARCON — National Association of Rocketry Annual Technical Convention. It is normally hosted by one of the local NAR sections. For the year 2002, the Austin Area Rocketry Group (AARG) is the hosting section. NARCON typically is run over a single weekend, beginning on Friday evening, dinner on Sat and wrapping up on Sunday afternoon. See the web sites for more information on NARCON.



[HTTP://WWW.NINFINGER.ORG/PUBLIC/AARG](http://WWW.NINFINGER.ORG/PUBLIC/AARG)
[HTTP://WWW.NARCON2002.Org](http://WWW.NARCON2002.Org)

LDRS — The Large Dangerous Rocket Ships is the Annual Tripoli International High Power Rocket Launch. Over 400 flyers are expected to attend, with more than 1,000 High Power Launches over the four day weekend.

This year LDRS, June 11th - June 15th, is being hosted by the Panhandle of Texas Rocketry Society (POTROCS) in Amarillo, Texas. The launch site is just outside of Wayside, about 35 miles to the southeast. The standard FAA altitude waivers are for 21,500 agl, and they can accommodate all Tripoli and NAR recognized motor classes. They will strictly follow "Commercial" and "Experimental" guidelines.

There were several "contests" held at last year's LDRS. I expect a few of them to show up again.

How about;

A contest using a K motor to loft an 8 pound bowling ball to the highest altitude.

Or the closest to 5,000' altitude

There may be other contests as time gets closer. Check the Tripoli web site and the POTROCS web site and I'm sure you will start seeing more information as it's posted.



[HTTP://WWW.POTSROCS.Org](http://WWW.POTSROCS.Org)
[HTTP://WWW.TRIPOLI.Org](http://WWW.TRIPOLI.Org)

A McGregor Launch Report

Hello all! I decided to share my experience at the DARS launch in McGregor on August 18. Wow!!! I built and flew the small Estes type rockets when I was a kid and in brief spurts afterwards, but I totally missed all the mid/high power action. The biggest rocket I had ever flown was on an Estes "D" motor. So my grandson, Blake, and I decided to visit the McGregor launch to check it all out and send up a couple of our small Estes rockets. We knew there were going to be some high power launches but were not prepared for what we were going to see that day. Drag races, a number of superb low power launches, a multitude of spectacular "G" motor launches, and many more launches with even higher class motors – even an "M." Awesome!!!

The launch was very well organized and ran smoothly and safely, except for the one occasion when Jack Sprague couldn't tell orange from green (ha ha!). The food available from the local firefighters was good. Later in the afternoon, the water they had available was even better. There was even a Porta-John! Speaking of John (can't remember his last name, but he manned the check-in table for a good portion of the day), he kept Blake and I laughing with his "humor" and really made us feel welcome for our first "official" launch. Besides John, there were a few other people who really worked hard to make it a successful launch: Scott Hunsicker, Jack and Suzy Sprague, and Tim and Beth Sapp. Plus, Bill Gee probably has some excellent pictures as he was there with camera rolling all day. I wasn't there in the morning for set up or in the evening for take down so I can't comment on any others who contributed to those events, but the ones I mentioned worked long and hard in the heat to make it a wonderful and safe day for all of us.

Blake says, "That was the coolest day, grandpa!" While the "M" launch was awesome, I think the highlight of the day was when Beth Sapp gave Blake some pointers on constructing his Custom Tristar. Thank you, Beth! Beth had brought her Tristar to the launch, and it was one of the most well constructed rockets I have ever seen. Bob Wilson also gave me some pointers on improving the construction of my "classic" rockets. Thank you, too! Oh, and I must not forget Suzy Sprague who shared her shade and chairs; we'll try to be a little better prepared for the day, next time.

Oh yes, Blake has already reminded me several times of the upcoming September 1st and 2nd launch. We'll be there!

It was a great day! And sincerely, what made the day was all of the super folks, both fliers and organizers. Thank you all for a day that neither I, nor Blake, will ever forget.

James Gartrell

PS Don't let George Sprague open any windows for you. Right, Bob?

Invasion of the Styro F.O.s By George "The Other" Sprague

By now most of us are aware of the FAA's suspension of waivers regarding high power launches. Just a small inconvenience while our nation sorts out what it needs to do in this time of war against terrorism. Is you haven't flown or even built model rockets in a while, now is the time! And if you want to build and fly something unusual, consider Joseph Peklicz and his Styrofoam flying saucers. I'm sure that you ran across the review in the July/August edition of Sport Rocketry. That how I found out about them.

I ordered the Styro F. O. Jr. The saucer is made of Styrofoam dinner ware, already glued together. This particular model is 7 inches in diameter and stands just under 4 inches., and it flies on a C6-0. This saucer is neat looking and very easy to put together. Just three fins, a motor tube and block, and a launch lug. I used H/D 601 GLUIT. Have you tried this stuff? This is the fastest drying, strongest aliphatic glue I've found. And it works great on styrofoam.

Tester Spray enamel won't melt the styrofoam. I painted mine silver with red trim. And it flies as neat as it looks. A strong, fast ascent then a slow, graceful descent. Looks like the real thing! Don't ask how I know this.....

I was so impressed that I ordered the Styro F. O. 3-D. This model is larger: 8 inches in diameter and about 5.5 inches tall. And it flies on a cluster of THREE D12-0's. I ordered two; one to build as a cluster model and one as a single engine type. For use with my Estes launcher. I flew the single motor one at the recent Camp Wisdom Boy Scout camp and it was a crowd pleaser.

Intrested in ordering? Send a check or money order to JOE PLEKICZ at 635 S. ZANE HWY, MARTINS FERRY, OH 43935-1236. The Styro F. O. Jr. goes for \$10.00, the 3-D for \$15.00. Shipping is \$4.50 and Joe can fit two models in a box, so if you want both you won't have to pay extra shipping charges.

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Outreach Calendar

Sep 8	Cub Scout (375)	Little Elm	9 am	12 Noon
Sep 15	Mustang District	Camp Wisdom	9 am	4 pm
Sep 29	White Buffalo District	Camp Wisdom	12 Noon	1 pm
Mar 25	Cub Scouts (872)	Coppell	7 pm	8 pm
Apr 13	Indian Guides	McKinney	9 am	12 noon

For more Outreach information please contact Buzz McDermott
Buzz@DARS.Org



Wanted: Person or Persons Dedicated to Passing on Their Love of Rocketry To Kids

For the past few years, I have been helping DARS Outreach Chairman Chuck Gibke coordinate outreach activities for Dallas and Collins counties and other points on the eastern side of the DFW metroplex. This has been an ***extremely*** rewarding experience for me. After some tutoring under Chuck (the ultimate outreach master) I started taking on activities myself. I have learned to teach the following

- Boy Scout Space Exploration Merit Badge
- Cub Scout Webelos Scientist Activity
- Senior Girl Scout Space Exploration Interest Patch,
- Civil Air Patrol Cadet Rocketry Program,

and several other 'prepared' rocketry programs. I have had the opportunity to watch the excitement on a five year old girl's face as she watches the rocket glider that *she* built and colored make a successful ascent and glide gracefully to a landing. I've watched that same look of pride and excitement on a CAP Cadet's face as he (or she) successfully launches and recovers a raw egg, using a rocket he/she built, and using a launch control system their squadron built. I have had the chance to, hopefully, introduce a large number of young boys and girls to this great hobby of ours. *And remember, everyone, today's kids are the future of our hobby.*

However, family and personal issues have made it clear that it is time has come for me to step down from this and let someone else take over. I no longer have the time necessary to do the type of job I feel is needed. There are also other rocketry projects I have long neglected which I want very much to complete. As such, I am looking for some one (or a couple of people) who are really interested in 'paying forward'. The requirements for this position are: 1) a desire to pass on your knowledge and love of the hobby to kids 2) a willingness to commit time to coordinating outreach activities and most importantly 3) a desire to pass on your knowledge and love of the hobby to kids. Oh, did I mention that last one already?

I have one other requirement. I hope that someone who is not a long time club officer or volunteer will be the person to step forward. This is a position that needs the energy that comes from being a relatively fresh volunteer with new ideas.

I won't kid anyone, coordinating a lot of the outreach activities for a club as big as DARS can take some serious time every now and then. We get a lot of requests, which we cannot always handle. The ones we do handle require finding volunteers to do the activity, or taking the time to do the activity yourself. However, this doesn't have to be a job you do all by yourself. A number of new volunteers have stepped forward to help this year. There is also a long-standing core of volunteers who have been helping with outreach activities for years. And remember, you are not being asked to chair/run Outreach for DARS. That position is held by Chuck Gibke. You are just joining up as another volunteer on the outreach committee. I will admit, though, that you will be a very busy volunteer during certain times of the year. <g>

I am hoping that one or two DARS members will step forward sometime soon and really help me out. You won't regret it. Helping to coordinate outreach activities, and running many of them, has been an extremely rewarding experience. I'll be happy to stay very involved in Outreach through the end of this year. I'll help you in any way I can. I'll pass on a great deal of outreach materials that I have personally accumulated and paid for, including by 'building session' kit with all the construction materials needed to support a build session of 30+ kids. Remember, today's kids are the future of DARS and our hobby.

Buzz McDermott (Buzz@DARS.Org)
 Outreach Coordinator, DARS East

New NAR Handbook

I'm pleased to announce a major improvement in a key NAR membership benefit. Before August 15, NAR members were sent, approximately 4-8 weeks after joining, a Second Member Packet. This envelope contained numerous documents outlining NAR member programs, such as our HPR program, NARTREK and NARTS. These packets took considerable time and energy to produce and prepare for distribution.

We have now replaced that packet with an all new 48 page publication, the NAR Member Guidebook. The NAR Member Guidebook will be distributed to all new and renewing members, and will speed and simplify NAR Headquarters processing. Additionally, we've produced the Guidebook without any change in NAR membership dues!

Inside, members will now find a complete collection of materials to show them not only NAR services and programs, but rocketry "how to" articles and other resources. We've collected not only more complete information on nine different NAR member benefit programs, we've updated all the contact information for NAR committees, sections and volunteers. Several manufacturers also graciously continued to support the NAR Discount Coupon Program with updated coupon information.

We've also include six technical articles spanning high power, launch equipment and competition. There's even four rocket plans with complete parts lists and instructions. The Guidebook is also free of advertising. We hope to update the Guidebook on an annual basis, and believe this new benefit will become an important rocketry resource for NAR members.

This first edition was the result of much work by many dedicated NAR volunteers including Peter Alway, Jennifer Ash-Poole, Lawrence Bercini, Bob Blomster, Mark Bundick, Peter Clay, Jim Fackert, Ric Gaff, George Gassaway, Norm Heyen, Joe Isca, Mark Johnson, Bob Kaplow, Bruce S. Levison, Todd Schweim, Bill Spadafora, Norm Taylor, Richard Wartick, Fred Williams, and Dan Wolf. Thanks to them for assistance and support of your Association.

Mark B. Bundick
NAR President



So, lets get our model rockets in the air! Fly them proudly and give a thought for those who died on September 11th and for our men and women in uniform who are once again engaged in the task of maintaining our freedom and unique way of life. How about following Jack Sprague's' lead and fly model rockets with Red, White, and Blue streamers. Or even custom made 'chutes of the same colors? Or even Red, White, and Blue saucers? Let's keep our chins up and not let those who don't like us and behave reprehensively get the best of us. Let's go out there and keep on keeping on!

OK, go dust off your old model rockets and get to work.



Dave Schaefer's 1/2 Scale Nike Smoke on an M1315W starting it's trip to ~6400' (Look close at the tip of the 6' ladder just to the left of the flame) Photo By Dan Stroud



Photos By Tim & Beth Sapp

Left—Congratulations to Terry Stroud on getting his Level 2 certification.

Below — Tim Sapp's Up-scaled Estes NASA Pegasus waiting on the pad right before it shredded.



Fellow AP addicts,

On Sunday October 6th, I successfully flew my 1/2 scale Nike Smoke for my L-3 certification. The 8 1/2 ft. tall rocket weighed 47 lbs. on the pad. I had the rocket recover in two separate pieces that landed very close to each other and Not to far away from the pad. The Mis-sile works recorded 6409 ft and the R-DAS Shows about 6095 ft. however we still need to analyze the data from the R-DAS further.

I could not have successfully competed this project without the help and support of a lot of wonderful people. I would like to thank the following people for their contributions:

First, **David Schultz** for very generously lending me his virgin brand new 75mm 6400ns motor. David also provided technical support as well as aiding with the recovery.

Dan Stroud was there with his son Terry. They brought with them their pad, and set it up for me to use. Dan has taken some absolutely spectacular pictures of the flight, that I hope to put on the DARS web site somewhere for all to enjoy. On a sad note it appears that one of the non rocket visitors we had may have walked off with one of his camera bags.

Doug Whalen and his son Andy came to help out. Without Doug, I would have never gotten this rocket painted in time, as he got me access to the paint booth where he works. Andy captured some great video of the flight. Both Doug and Andy were on hand for the recovery.

Phil Eaton and his family joined us for the event. Phil acted as LCO and provided transportation to and from the launch. It was Phil's idea to recover the rocket in two support pieces. Great Idea Phil! Phil is the co-owner of the Rocketman chute I used for the lower section.

Robert Turner was present for the flight. Robert was our RSO. Robert also provided much technical support throughout the whole project. Actually Robert has been providing me both technical and moral support since 1994.

Tony Reynolds was not there, however he provided the waiver and arranged for the use of the site.

Tim Sapp and his family were instrumental in getting this whole party arranged and brought donuts for all attending. It gave us the sugar rush we needed to get the project to the pad! I was very pleased that they could

come out and help.

If it were not for **Jim Turner**, the Nike Smoke probably would have been destroyed on the pad! More on this later. Jim provided the ejection charges that worked flawlessly like they always do. We are Truly blessed to have someone like Jim As our local AP dealer. He helped every way he could to insure the success of my project.

Without **Bryan Nelson's** help, I would be two years away from launching this rocket. Every detail of this rocket Bryan and I discussed for hours together. He Spent many evenings sacrificing time with his family to help me get this thing together. I trashed his garage night after night using all of his great tools! Bryan also came by my house many times to help with many aspects of construction where four hands were needed. I used Bryan's R-DAS and his Sky Angle chute on the upper section as well. Thank you very much.

And then there is **Buzz...** And then there is Buzz. I suppose I should say something nice about Buzz. All kidding aside, without Buzz McDermott's help I would have never made it through the whole certification process. I was on the phone with Buzz constantly making sure this was done right. Buzz also provided much technical support and it was his idea that I use the simplified avionics scheme that I flew on Sunday. Buzz patiently guided me through the entire process.



The entire L-3 certification was an enormous learning experience. We have a great hobby. It is not the rockets that make it great, it is the people!

Thank you all very much.

(Editors note: I added the boldness to the names to show that while Dave might have built the rocket, a level 3 project is not something that you can do alone. It's time to join a club and make some rocket buddies)

[HTTP://WWW.DARS.ORG](http://WWW.DARS.ORG)

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DARS

The Dallas Area Rocket Society is a non-profit chartered section of the National Association of Rocketry (NAR). It's purpose is to promote the hobby of consumer rocketry in the Dallas\Ft. Worth metropolitan area.

Membership in DARS is open to all interested persons. Membership in NAR is encouraged, but not required. Annual dues are \$10.00 for individuals and \$15.00 for families. The entire family, including children, are welcomed to the meetings.

The club meets on the first Saturday of each month at 1:00pm. Meetings are held in Plano, TX at

Plano Late Night Bingo
1805 Ave K (18th and K St.)
Plano, TX 75074

For Information send e-mail to:
Info@DARS.Org

