

STORM WARNING

KLOUDBUSTERS

July 2008

From the Prez' Pen

by Lance Lickteig

It has been quite a while since the last newsletter but there has been no shortage of activity in KLOUDBusters-land. The Christmas Party was great, as usual. We had a number of good launch days over the winter and into spring, but were faced with plenty of challenges, mostly brought on by Mother Nature. KLOUDBurst 18 was pushed back a week by weather, but Saturday's launch was held in near perfect conditions. There's not enough space to devote much to the past though, as we look ahead to the remainder of 2008. As we finish our annual wheat hiatus we look forward to a great summer and fall. Everything else in this newsletter will focus on the look forward and other big news for KLOUDBusters. I daresay, 2008 will see more rocket launches from the Argonia Rocket Pasture and more extreme projects than ever before.



Photo Credit: Lance Lickteig

A brief look back at 2007 – Gherkin-Meisters Graves, Swayze, Smemo, and Pomeroy X 2 prepare for a Gherkinbaum Drag Race. Naturally, these guys blew the breaker! Hey Terry, what's behind the curtain?

KLOUDBusters LEUP

The first item of big news for KLOUDBusters is that we now have a Corporation Low Explosives User Permit (LEUP). I started advocating the benefits of a Club LEUP to KLOUDBusters over 2 years ago and in April I finally had enough information to figure out how to make it a reality. There is a large section later in this newsletter discussing the LEUP and the process we will be employing

for members to buy and fly rocket motors at the Argonia Rocket Pasture.

Take time and Fly Some Rockets

I encourage as many members as possible to take advantage of our July and August Fun Fly events. We had precious few good launch days this spring and the April-July break has made it seem like an eternity since the last launch. LDRS 27 will be fun but somewhat hectic and the upcoming fun flies will help you satisfy your Rocket Jones in a more relaxed setting.

Volunteering for LDRS 27

Way back in 2003 around this time we were in the final stages of planning for LDRS 22 at Argonia. In addition to the anticipation of another KLOUDBusters-hosted LDRS, we were working with the First Television Production Company at putting together the events which would be filmed for the *Discovery Channel Rocket Challenge* series. Countless hours were spent by many tireless KLOUDBusters, orchestrated by President Chuck Mies and Prefect Kent Burnett. We had a lot of equipment to purchase or build prior to LDRS 22 and a huge team of volunteers pitched-in to get everything done on time and a great event resulted for some 330 flyers at LDRS 22. That was my own first LDRS experience.

Fast-forward to 2008 as we prepare for LDRS 27. Many of those who played key roles have passed the leadership torch to others. We have been able to draw from the experience and expertise of those individuals and pull together the framework for another KLOUDBusters LDRS at Argonia (for the unprecedented 5th time). I, as LDRS 27 Chairman and Bob Brown as LDRS 27 Launch Director have taken the lead, much as Chuck and Kent did in '03. Many who were bit players in '03 are now key contributors in '08 and we are counting on many folks (old and new) to fill the shoes of those great volunteers from the past.

I invite each KLOUDBusters member, whether you joined the club 15 years ago, 15 days ago or anytime in between, to grasp the opportunity to take on at least one, two, or more duties for LDRS 27 and perform each like it is the most important of the event. This is a "KLOUDBusters LDRS" and we have a great opportunity before us to show the world of high-power rocketry once again why so many clubs aspire to have a club like ours; our resources are second to none with regard to infrastructure, launch facility, and member involvement.

Range volunteering during the event is a great way to contribute and there are duties that can be performed by members of any and all experience and personality levels. Working the range is an unbelievable opportunity to meet and get to know so many of the rocketry names you recognize from magazine articles, on-line groups, etc. Already - with just under 2 months to go - we have flyers pre-registered from 25 different states, Canada, Australia, and a GI stationed in Europe. Wouldn't it be something to see each of the 50 states represented? But I digress ... Put your name in for a range duty slot and meet some of those rocketeers from far away. Don't fret about whether or not you think you can do the duty - there's plenty of time for on-the-job training! There are even duties that can be staffed by your non-rocketry significant others, such as registration or traffic control. Wives, moms, older kids, and girlfriends enjoy getting involved, so ask them if they would like to help. There's a kindred spirit between the "non-believers" as they share time while we're "shooting our rockets." To volunteer for LDRS 27 range duty, go to the LDRS 27 web site (www.ldrs27.org) and click on the "Volunteers" button. There you will find a description of the duties and a link to the schedule. Go to the schedule, pick out your desired time slot(s) and e-mail volunteers@kloudbusters.org with your name and which slots you would like. Within a day or two - VOILA! - your name will appear on the schedule.

Other volunteer jobs where we need your help include: the Range Set-up opportunities; the equipment maintenance, clean and repair sessions; clean-up around the Rocket Pasture, etc. The last page of this newsletter includes the schedule for most of these which we've already planned. You can also attend one of the LDRS Planning/Prep meetings and take on some other helpful responsibilities. As LDRS 27 gets closer, other opportunities will be announced on the KLOUDBusters e-group. We have laid the groundwork, now it is up to the membership to follow through and execute.

Please take on something and make your contribution. If every KLOUDBusters member does so, then we'll all have fun - every job from the installation of fencing and pad signs; to staffing the range; to LCO'ing the big projects; to organizing registration etc. - each is accomplished through the dedication of our many member volunteers.

Finally

That's my pep talk for today, now on to the details of LDRS 27. I hope to see each KLOUDBusters member out at the Rocket Pasture having fun and pitching in. If you've never experienced an LDRS - you're about to have the rocketry experience of a lifetime at LDRS 27. There are many opportunities to take on and memories to be made and shared together.



LDRS 27 – “Let's DO IT”

The date 8/28/08 sticks in all our minds as the date for the start of LDRS 27 as we prepare to host the greatest rocketry event in the U.S.A. That date is really just a milepost in the journey we started over a year ago - folks, we are now merging into the fast lane.

Leading up to the first flights of LDRS 27 on August 28th, KLOUDBusters has plenty of preparation that needs YOUR help. A concise schedule of preparation activities is printed on the last page of this newsletter. You can pull it off and stick it on your fridge or your cubicle wall to help remind you when you are needed. Below are some details on these items.

LDRS 27 Prep Meetings

We will start meeting bi-weekly beginning on July 12, 2008 during our July Fun Fly at the Argonia Rocket Pasture. Some of the meetings will also include other work activities so we can maximize our efforts. If you can't make it out for all of the scheduled time, please come when you can.

Rocket Pasture Electrical Service Wiring

We have been trying to get this done for a few weeks and outside circumstances have prevented us from getting out and getting this job accomplished. Foul weather notwithstanding, this project will get done the weekend of July 12-13. The existing wiring at the rocket pasture is degraded to the point of being potentially dangerous to flyers and our guests. The wiring replacement is one of the biggest improvements ever at the Rocket Pasture and will be a huge asset to the Club for many years. This project will take some manpower.

Cable Cleaning and Repair

This has become an annual event to keep the pad cables in top-notch working order and is critical to avoid annoying problems and delays during LDRS 27. This will be completed on Saturday July 26, 2008, the same day as one of the planning/prep meetings in Wichita. We will have all of the supplies necessary, just come in work clothes.

Major Range Set-up

On Sunday, August 24, 2008, beginning around 10:00AM we will be setting up the majority of the range; including the fencing, circus tent, signage, pads, vendor row marking, etc. This will require A LOT of help. If you can't be there right at 10:00am, please come when you can as this will take several hours to complete.

Final Range Set-up

On Wednesday August 27, 2008 beginning around 5:00PM we will be doing the final range preparation which includes setting up all the cabling and electronics. Wednesday evening is always fun as many of the out-of-state rocketeers start rolling in and getting reacquainted. The TRA BoD meeting is on Thursday this year, so there should be no conflicts.

LDRS 27 Events

In many ways, LDRS 27 will be like a "maxi-AIRFest 14": 4 commercial days, 2 Tripoli Research days, 300+ flyers. Throw in a big Banquet, special events on Friday and Sunday plus a few O, P, and Q rockets and you have LDRS 27. The action runs from Thursday, August 28, 2008 through Tuesday, September 2, 2008. Range hours each day will be 9:00am - 6:00pm daily except Saturday when the range will close at 5:00pm so we can get back to Wichita for the Banquet.

Here are some highlights of the events planned and other "need-to-know" info (more details for everything are available at <http://www.ldrs27.org>).

Pre-Registration

You can pre-register for all the LDRS 27 launch days, banquet, Cosmosphere event, and t-shirts on the web site - just click on "Registration. Pre-registration is discounted from the on-field rate and **closes on August 3, 2008**. If you want to pay your flyer fees with a credit card, you MUST pre-register as we won't be able to take credit cards at the field. You can save 20% if you pre-register plus everything will be ready and waiting for you at the field when you arrive - you will be able to simply sign, grab our flyer's packet, and go.

Official LDRS 27 Hotel

The Best Western Airport Inn & Conference Center is the official hotel of LDRS 27. We have negotiated a great rate of \$74 per night (up to quad occupancy allowed) and there are lots of amenities available at the hotel. Get your reservations made soon as we expect the Best Western to fill-up. Hanging around in the evenings at the hotel by the pool or in the bar will be a great place to share the stories of each day of LDRS 27. Go to the web site and click "Accommodations" for details on making your hotel reservations and full details of the hotel amenities.

TRA Board Meeting

Each year at LDRS, the Tripoli Board of Directors holds an open meeting where many of the issues facing the organization and hobby rocketry are discussed. Matters of organizational policy, future LDRS hosting, various committee activities, etc. are usually on the agenda. For LDRS 27, the TRA BoD meeting will be held at the Best Western on Thursday August 28, 2008 after the close of the day's launch operations. The meetings can be interesting and an appreciation gained of what the BoD does and endures. The exact time will be posted later.

Kansas Cosmosphere "Out of this World" Evening

On Friday, we have arranged a special LDRS 27 event. We're hosting an LDRS 27 evening excursion to the Kansas Cosmosphere and Space Center in Hutchison. A motor coach will depart from the Best Western Airport Inn & Conference Center at approximately 7:30 PM for the 1-hour drive to the Cosmosphere. We have reserved the facility for exclusive LDRS 27 access from 8:30 pm to

10:30 pm where you can roam the various galleries of the Center. At 10:30 the bus will return to the Best Western back in Wichita.

The Cosmosphere houses one of the most significant collections of U.S. and Russian space artifacts in the world and operates the world's leading space artifact restoration and replication facility, which is the only location designated by the Smithsonian Institution to restore flown U.S. spacecraft. Check out some of the details of the Kansas Cosmosphere at <http://www.cosmo.org>

Cost for LDRS 27 attendees and their guests is just \$20 per person which includes round-trip bus travel and a ticket to the Cosmosphere. If you would like to drive yourself to Hutchinson, cost for Cosmosphere admission only is \$12 per person.

The admission price including the bus transportation is based upon a FULL 54 passenger bus. The first bus will be filled on a first-come basis; the remaining requests will be put on a waiting list. If we get an additional 54 people committed, we'll arrange for a second bus. No guarantees there, so make your reservations soon. This can all be done via the LDRS 27 web-site Registration page - your one-stop shop for LDRS 27!

If you have family or friends that want to go, they're welcome to join us. Even non-flyers can use the pre-registration page to book space for this. You must have an advance-purchased ticket - no walk-ups will be admitted.

My plan on Friday is to head back to town from the Rocket Pasture, grab something to eat and a beverage, and hop on the bus. Who'll join me?

TRA Members Meeting and Banquet

A Saturday evening LDRS tradition is the Tripoli All-Member Meeting and Banquet. This event will be held at the Best Western beginning with Social Hour at around 6:00PM.

The featured Guest Speaker for the LDRS 27 Banquet will be Jim Remer, Senior Vice President of the Kansas Cosmosphere, which ties directly into the Friday evening event.

Mr. Remer's presentation will deal specifically with the restoration of the Mercury spacecraft "Liberty Bell 7" and the Apollo 13 Command Module "Odyssey". He leads the Cosmosphere's Restoration Team known as "Space Works", a staff of dedicated artists, technicians, machinists, engineers, and carpenters assembled 20 years ago who have worked on some of the most iconic space artifacts in the history of space exploration. The restoration and replication projects accomplished by Space Works are on exhibit throughout the world, inspiring the imagination and dreams of young and old alike. Learn more about Space Works here (Adobe Acrobat required): http://www.cosmo.org/artifacts/Kansas_Cosmosphere_Restoration_Brouchure.pdf.

We think everyone attending the LDRS 27 Banquet will enjoy a journey back in time inspired by a

close look at bringing these artifacts back to museum display standards, the dedication of the Space Works team and their attention to detail.

The banquet will also feature a video of the first half of LDRS 27 produced by ROCKETS Magazine. The evening's agenda will wrap-up with the LDRS 27 vendor raffle. Everyone who is in attendance at the banquet will be automatically entered into the raffle.

Seating for this event will be limited this year. Reservations for the Banquet may be made on the web site Registration page for both flyers and non-flyers - that is, you don't have to be a flyer to join us for the Banquet - just visit the registration page and provide the appropriate information along with payment to reserve your spot at the banquet NOW!.

ROCKETS Magazine Watermelon Feed

Sunday evening, August 31, 2008, as we close-out the commercial portion of LDRS 27 everyone is invited to hang around the Rocket Pasture after the last flight of the day for an old-fashioned Watermelon Feed sponsored by the good folks from ROCKETS Magazine. Many of the TRA Research crowd will be getting serious with their launch preparations for the 2 Research days to follow and the rest of us can relax and enjoy what should be a fine late-summer evening.



Photo Credit: Lance Lickteig

One of our newest members, Larry Bechtold from Oklahoma made a big splash at KLOUDBurst 18 with his big project powered by an M1939. Larry is seen here arming some of the many electronics on board this beauty

5 ... 4 ... 3 ... 2 ... 1 ... Launch!!

That pretty well sums up all the events for LDRS 27. I haven't said much about the rockets and all the great people who will join us at Argonia for the week. An LDRS is truly a memorable experience and we look forward to seeing all KLOUDBusters for this awesome event!



Photo Credit: Lance Lickteig

Larry Bechtold's rocket heads skyward atop the beautiful plume of an M1939. Those White Lighting motors are my favorites and always crowd pleasers. Way to go, Larry!

Check Your Renewal Date

The return address block on the front of the **Storm Warning** newsletter contains the date your next renewal is due. Take a moment to verify it is the date you think it should be. This newsletter has been mailed to some members whose memberships have expired as much as 1 year ago as a courtesy and to let you know about some of the major happenings with the Club. Keeping your dues current is important as KLOUDBusters has many fixed expenses which the annual members' dues help offset.

Keeping your membership current becomes even more important if you intend to take advantage of the new KLOUDBusters LEUP privileges, as you will read in the section that follows about the LEUP.

If your membership has lapsed, we would love to have you back.

KLOUDBusters Yahoo e-group

One members-only benefit for KLOUDBusters members is access to our Yahoo e-group. The group is used to communicate the very latest news and events to members and to share experiences and ask questions. If you don't already belong to the e-group, go to <http://tech.groups.yahoo.com/group/kloudbusters> and request an invitation to join. Things like late-breaking news, weather delays or cancellations, members meetings and get-togethers are posted on the e-group and it is the only place to get last minute updates. The e-group is open only to KLOUDBusters members, so please provide your name in the request so we can verify membership.

Also note, participation in the KLOUDBusters Yahoo e-group is an exclusive members-only benefit. If your membership has expired we must remove you from the e-group.

Remaining '08 Launch Schedule

The remainder of '08 presents the 'meat' of our annual launch schedule. In addition to LDRS 27, there are many more opportunities to get out and burn some APCP.

As always, the waiver for all KLOUDBusters launches is 34,500' AGL (50,000' AGL for LDRS 27). If you're planning a flight over 25,000' you must obtain approval from the Tripoli Board at least 30 days prior to the launch.

Event	Date
July Fun Fly	Sat., July 12, 2008 TRx Sun., July 13, 2008
August Fun Fly	TRx Sat., August 2, 2008 Sun., August 3, 2008
LDRS 27 at Argonia!!!	Th.-Tu, Aug. 28-Sept. 2, 2008 Note: Sept. 1 & 2 are TRx only.
October Fun Fly	Sat., October 11, 2008 TRx Sun., October 12, 2008
TRx-only Fun Fly	Sun., November 2, 2008
Distant Thunder 2008	Sat.-Sun., November 8-9, 2008
Christmas Party	Sat., December 13, 2008
December Fun Fly	TRx Sat., December 13, 2008 Sun., December 14, 2008

KLOUDBusters LEUP

KLOUDBusters now has a Club Low-Explosives Users Permit. KLOUDBusters members in good standing may become "Authorized Persons" and may acquire and use regulated rocket motors at the Argonia Rocket Pasture under the LEUP. The KBoD has taken the necessary

steps over the last few months to make this happen and the LEUP has been approved by the BATFE and is in our possession. All KLOUDBusters members who are not prohibited persons according to the BATFE definition are eligible and must comply with the process outlined in the newly updated Corporation By-Laws covering the use of rocket motors under the LEUP.

There is a lot of information here and you should read all the sections below so you understand the process completely. I had a hard time organizing this information as it is lengthy, but it is very important. First, I'll give the "Quick Start" version, followed by a more detailed presentation of the necessary information in FAQ format, and finally the actual By-Laws changes that have gone into affect.

KLOUDBusters "Quick Start" LEUP Guide for Members

- 1) Make sure your dues are paid. You can't play if you don't pay.
- 2) Complete the "KLOUDBusters Due Diligence Questionnaire" form and send it in with a photocopy of your ID to become an "Authorized Person".
- 3) You may buy and fly rocket motors ONLY at the Argonia Rocket Pasture. You must tell the vendor that your purchase is on the KLOUDBusters LEUP.
- 4) The Club Storage Magazine is NOT for personal motor storage. DO NOT purchase rocket motors from vendors until you are ready to use them.
- 5) DO NOT remove rocket motors from the launch site. Motors purchased under the Club LEUP are the property of KLOUDBusters, Inc. and must stay at the launch site.

This "Quick Start" version undoubtedly raises a few questions, so please read on.

What is an LEUP?

AN LEUP is a Low-Explosives User Permit issued by the Bureau of Alcohol, Tobacco, Firearms, and Explosives (BATFE) permitting the use, transportation, receipt, or possession of low explosives. Under federal laws currently in force, certain Ammonium Perchlorate Composite Propellant (APCP, i.e. rocket motors), e-matches, and igniters are considered low explosives (collectively, I'll refer to these rocket materials here as LE - low explosives). In short, one can legally acquire and use LE under an LEUP.

Why Does KLOUDBusters Need an LEUP?

At a special meeting of the KLOUDBusters Board of Directors on April 29, 2008, it was decided that the Club would make application to the BATFE for a club-based Low-Explosives Users Permit. While we have been holding out hope that the U.S. Federal court would rule in favor of organized rocketry in the TRA/NAR vs. BATFE lawsuit, there has been no movement or communication on the lawsuit for quite some time. The BATFE has expressed the desire for rocketry clubs to obtain permits to accommodate members' use of rocket motors. We received information from both the local BATFE agent and

via an article posted on www.rocketryplanet.com and which later appeared in *Extreme Rocketry* magazine about how to pursue this effort. A local BATFE agent also expressed to a local vendor that "sponsoring" of individuals' rocket launches was not within the strict interpretation of the law and should be curtailed.

In order to continue to enjoy our hobby and particularly for the benefit of all KLOUDBusters members, the KBoD decided that this made sense for the club. Following the specific recommendations of the BATFE, the KBoD drafted and approved changes to the Corporation's By-Laws addressing the various aspects of the LEUP, installation of a Type IV low-explosives storage magazine, and the specifics of how members can obtain and use regulated rocket motors under the Club LEUP.

Which Motors are considered Low Explosives?

APCP rocket motors with propellant mass exceeding 62.5g are regulated under the U.S. Explosives Laws. Motors containing 62.5g or less are exempt from regulation. In general, the regulated class includes H impulse and above while the unregulated are G impulse and below. There are a few G motors (i.e. Aerotech G75) that are regulated because they exceed the 62.5g limit. Exempt motors may be purchased, transported, stored and used in any quantity without an LEUP or approved low explosives storage. Hybrid motors of all sizes are currently not regulated because the oxidizer and fuel are separate components.

What/Who are Trustees / Responsible Persons?

The LEUP licensing process defines Corporation officials who direct the shipping, handling, and use of LE as the "Responsible Persons" for the Corporation; in our case, the Trustees of the Club. Part of the By-Laws changes designate a Committee of Trustees as those individuals who take on the role of Responsible Persons for the LEUP. The Trustees will ensure that members' actions with regard to the LEUP are within the regulations and adhere to the provisions of the By-Laws. The Responsible Persons / Trustees for KLOUDBusters are: Dennis Blackburn, Bob Brown, Lance Lickteig, and Mark Logan. Mark Logan is designated as the Principal Trustee to oversee all of the required transactions and recordkeeping.

What is an "Authorized Person"?

The new By-Laws section defines an "Authorized Person" as a KLOUDBusters member who is a current member (your dues are paid), has a completed and signed "KLOUDBusters Due Diligence" questionnaire on file with the Trustees, and is not a prohibited person per the BATFE. To obtain Authorized Person status, you must provide a copy of a valid photo ID and Voter Registration card OR a copy of your passport with your questionnaire. This helps verify that you are not a Prohibited Person. Our regular motor vendors at the Argonia Rocket Pasture will be provided with a list of KLOUDBusters Authorized Persons. Under the Club LEUP, Authorized Persons may possess and use rocket motors ONLY at the Argonia

Rocket Pasture. When reading the federal regulations, an Authorized Person is akin to an Employee Possessor.

What is a "Prohibited Person"?

Under federal law, it is illegal for Prohibited Persons to handle and/or use explosives. The U.S. Explosives Law 18 U.S.C. § 842(i) defines the criteria for a prohibited person. The KLOUDBusters *Due Diligence Questionnaire* is based upon these guidelines. You are a prohibited person if you must answer "Yes" to any of the questions on the KLOUDBusters *Due Diligence Questionnaire*. If you are a prohibited person, relief or a variance must be obtained from the BATFE to become an Authorized Person.

What Can I Do Under the Club LEUP?

The LEUP is issued to KLOUDBusters, Inc. as the business entity which will be using, receiving and transporting LE. In conjunction with the limitations in the By-Laws, you may order, handle, and use LE at the Argonia Rocket Pasture under the LEUP. The four Club Trustees designated as Responsible Persons on the LEUP may transport the LE, are responsible for all recordkeeping necessary to stay legal, may move LE in and out of the storage magazine, and will supervise the LE use on behalf of the Club. All motor vendors who sell LE for use at the Argonia Rocket Pasture will have a list of KLOUDBusters Authorized Persons. You may buy and possess LE from any vendor under the permit ONLY AT THE ARGONIA LAUNCH SITE. As an Authorized Person you are an agent of KLOUDBusters and are legally acquiring the LE for KLOUDBusters; therefore the purchased LE legally belongs to KLOUDBusters, not you as an individual.

Does KLOUDBusters have a LE Storage Magazine?

Yes, in order to comply with the requirements for obtaining an LEUP, the Club has installed a small Type IV storage magazine at the Argonia Rocket Pasture.

Can I store my Motors in the KLOUDBusters Storage Magazine?

The By-Laws changes adopted by the KBoD specifically state that members "shall not stockpile, hoard or otherwise accumulate motors" for storage in the Club magazine. The intended purpose of our LEUP is to permit members to legally buy and fly at the Argonia Rocket Pasture. With over 100 members, the logistical and recordkeeping challenges presented by allowing personal storage by members were deemed to be unmanageable. In reality, if you arrange with your favorite vendor to bring the motors to the launch site on a per-launch basis, there is no need for personal storage. Essentially, the vendors should keep the motor in their storage until you are ready to use it.

We do understand that weather or technical challenges sometimes cause a "no-go" situation after a rocket motor reload kit has been purchased and the motor assembled for flight; preventing the motor from being returned to the vendor. In these emergency cases,

individuals may store the unused motor in the magazine. The motor must be clearly marked with the Authorized Person's Name and KLOUDBusters Member Number and every effort must be made to use the motor at the next opportune launch.

Keep in mind, the KLOUDBusters Storage Magazine is not large and there is no compartmentalization. Your motor will go into the pile with others in the magazine. Also, there is no insurance from fire/water damage or theft. We can not overemphasize that the Buy and Fly concept is the way it must be and in your own best interests.

If you feel like you need personal motor storage, you should apply for a personal LEUP. The process is not difficult and most people can obtain a variance and have a small indoor storage magazine in their garage or shed, or make provisions for contingency storage with another individual LEUP holder.

Why are "my" Motors the Property of KLOUDBusters?

As stated above, as an Authorized Person you have the ability under the Club LEUP to acquire and possess LE on behalf of KLOUDBusters. You do not individually have the rights and responsibilities of an LEUP holder. The Trustees on behalf of the Club are responsible for making certain that all recordkeeping and legalities of LE handling comply with the Federal Explosives Laws and the Corporation By-Laws. Due to these requirements you cannot legally "own" the motors yourself since you do not have a federal permit to do so. Keep in mind, LE may not be removed from the launch site by individuals. If emergency storage is required, contact one of the four Trustees / Responsible Persons for proper recordkeeping and placing the LE in the storage magazine.

What are the recordkeeping requirements for individual Authorized Persons?

If you acquire a motor under the Club LEUP and burn it the same day, there are no individual recordkeeping requirements, per se. LEUP holders must keep acquisition and disposition records for all LE acquired and used. To assist these recordkeeping requirements, vendors selling LE at the Argonia Rocket Pasture will be required to provide copies of their records of sales to KLOUDBusters Authorized Persons to the Trustees for inclusion in our records.

If there is an emergency situation requiring storage of an unused motor, it must be stored in a legally approved magazine, which either means returning it to the vendor or turning it over to one of the Trustees / Responsible Persons for storage in the Club's magazine. At that time, the records for the transaction into the magazine will be updated. When the motor is removed from the magazine for use later, it will be logged to the appropriate record by the Trustees / Responsible Persons.

This all sounds rather cumbersome, but it is required by law as a provision of having an LEUP. The patient understanding of each member is appreciated as

we grow into this process. After all, the peace-of-mind for "staying legal" will benefit everyone.

Can I acquire Motors under the Club LEUP at other launch sites?

No. The BATFE's guidelines for Club LEUP application request that the scope of the LEUP usage be limited to the Club's official launch site. This requirement enables the necessary restriction that LE use be directed by the LEUP Responsible Persons (the Trustees). Again, if you have a need to travel to other launches, you may wish to pursue getting an individual LEUP for your needs.

How does the Club LEUP affect Individual LEUP holders?

Individual LEUP holders may continue to purchase, transport, and use LE as they always have, however, if you acquire LE items under the Club LEUP you must comply with all restrictions and requirements of our LEUP process for those items.

KLOUDBusters By-Laws Changes

The By-Laws changes which we made to enable the KLOUDBusters LEUP application and the process we have adopted follow:

In summary:

- 1) Change in ARTICLE V, BOARD OF DIRECTORS, SECTION X.
Added the new sub-section (A) COMMITTEE OF TRUSTEES to form the committee of responsible persons for obtaining the BATFE LEUP.
- 2) Addition of ARTICLE VIII FEDERAL LOW EXPLOSIVES USERS PERMIT (LEUP)
New section inserted to cover provisions for the corporation to obtain and maintain a BATFE LEUP permit.
- 3) As a result of inserting the new ARTICLE VIII, all subsequent ARTICLES are renumbered with no other changes.

Specifically:

Change #1 -

(A) COMMITTEE OF TRUSTEES. The Board of Directors shall appoint a minimum of two (2) and a maximum of four (4) Trustees of the Corporation. The Trustees shall be Senior Members in good standing and at least twenty-one (21) years of age. The Trustees shall represent the Corporation as Responsible Persons when applying for the Low-Explosives User Permit (LEUP) license from the Federal Bureau of Alcohol, Tobacco, Firearms, and Explosives on behalf of the Corporation. The Trustees may serve as other officers of the Corporation and may not be a prohibited person as defined by U.S. Explosives Law 18 U.S.C. § 842(i). One Principal Trustee will be named to oversee all recordkeeping and restricted materials storage.

Change #2 -

FEDERAL LOW EXPLOSIVES USERS PERMIT (LEUP)

SECTION I. FEDERAL LOW EXPLOSIVES USERS PERMIT. The Corporation intends to maintain a Federal Low Explosives Users Permit (LEUP) to facilitate the Corporation members' ordering and use of regulated materials.

SECTION II. TRUSTEES / RESPONSIBLE PERSONS. The Corporation Trustees will be named as the Responsible Persons on the LEUP application and are subject to any required investigation by the BATFE to satisfy the LEUP application, and all associated recordkeeping as defined in 27 CFR § 555.125. The Trustees / Responsible Persons will be responsible for LEUP Application and Renewal. In the event the Corporation Trustees / Responsible Persons change, the permit must be updated accordingly. The Trustees / Responsible Persons are considered licensed persons.

SECTION III. AUTHORIZED PERSONS. Authorized persons are those Corporation members eligible to possess regulated materials under the Corporation LEUP. All Senior Natural Person Members and Honorary Members of the Corporation that do not fail the federal definition of a prohibited person as defined by U.S. Explosives Law 18 U.S.C. § 842(i) are eligible members. To complete eligibility as an Authorized Person, those members must provide to the Trustees the following: 1) KLOUDBusters Due Diligence Questionnaire based upon the BATFE Employee Possessor Prohibited Person Questionnaire, form ATF 5400.28; and 2) either a) a photocopy of member's Driver's License and Voter Registration card OR b) a photocopy of the member's valid U.S. Passport. The Trustees / Responsible Persons shall maintain a list of Authorized Persons and make the list available to motor dealers upon request. Authorized Persons are considered non-licensed persons.

SECTION IV. REGULATED MATERIALS. The Trustees, within the licensing privilege of the Corporation LEUP, shall obtain, track, and transport on behalf of Authorized Persons for use the following regulated materials: Commercially available rocket motors, black powder, igniters, and electric matches (squibs).

SECTION V. ORDER AND USE. Authorized Persons may order regulated materials from vendors for delivery directly to the Corporation magazine. Regulated materials ordered by non-licensed persons shall only be transferred to the club magazine, or to a Trustee / Responsible Person listed on the Corporation's LEUP. Regulated materials may be used by Authorized Persons at organized Corporation launches only under the supervision and control of the Trustees / Responsible Persons of the Corporation, provided that the member wishing to use a motor is not a prohibited person. Regulated materials acquired by Authorized Persons become the property of the Corporation.

SECTION VI. INVENTORY AND RECORDKEEPING. The Corporation, through its Responsible Persons, shall keep a current inventory of all regulated materials purchased and used per 27 CFR § 555.125.

SECTION VII. CORPORATION STORAGE MAGAZINE. The Corporation will establish one or more permanent approved Storage Magazines, which are typically Type 4 Magazine as defined in 27 CFR § 555.201-224, entitled "Subpart K -- Storage".

SECTION VIII. MOTOR STORAGE. The Corporation's intent is for the Corporation's LEUP to facilitate the members to be able to pursue the hobby of High-

Power Rocketry under the current federal laws and to enable the on-site acquisition of regulated materials to satisfy the needs of the members under those laws. The Corporation does not intend for members to stock-pile, hoard, or otherwise accumulate regulated materials for their personal use and store them in the Corporation magazine.

SECTION IX. DISPOSITION OF UNUSED MATERIALS. In the event that regulated materials are acquired but are not used during a launch, the Corporation advises members that the regulated materials remain the property of the Corporation and in these situations, the regulated materials must be returned to the Trustees / Responsible Persons prior to leaving the launch site for proper storage in the Corporation's magazine and the member must make every effort to use these regulated materials at the next available opportunity.

SECTION X. PROHIBITED PERSONS. The Trustees / Responsible Persons shall make every effort to prevent prohibited persons under the definition in 18 U.S.C. § 842(i) from obtaining or gaining access to regulated materials. Any member who knowingly provides deceptive or inaccurate information representing themselves as an eligible person, or who distributes regulated materials to a prohibited person will have his/her membership revoked.

Change #3 - This one is self-explanatory and is simply renumbering to make room for the above change.



Photo Credit: Lance Lickteig

Cool shot of a **KLOUDBuster** Rocket under boost and a nice view of the "business end" gettin' busy. We will be dragging out the **KLOUDBusters** for a mass launch or two at LDRS 27 – better get yours built (dresses optional)!