

**MEETING NOTICE:**

The regular monthly meeting of the **London Bridge Amateur Radio Association, Inc.** will be held on **Thursday, February 19, 2004** at **7:00PM** in the **Community Room** at the **Mohave County Library, 1770 McCulloch Blvd.** in the **KMART Shopping Plaza.** Members are urged to attend and bring a guest.



The monthly meeting of the **London Bridge Amateur Radio Association, Inc. Board of Directors** will be held on **Tuesday, February 17, 2004** in the **Board Room** of the above Library. This is an open meeting and members are encouraged to attend.

**FROM THE EDITOR:**

This will be the last issue of the "*Static*" from your present Editor. I hope you have enjoyed reading the "*Static*" as much as I have had putting it together. I want to thank all who have supplied me with articles and apologize to those who sent articles in that never got

to me due to a conflict with my Email server. With your new Editor living in Lake Havasu City, it will be a lot easier for you to get your articles to him. Your new Editor, **Jerry France, K7LY** will take over with the March issue. I know you will support him as you did me with your input of articles.

Cliff Baril, W7IRC

**W3DLY'S First station:**

In contrast to W7IRC's first flyweight QRP station, we started a different way. I was working for the Air Force at McClellan AFB and after obtaining our ham licenses we joined the USAF MARS program operating a MARS station in our home. This gave us the privilege to draw surplus military communication equipment from the MARS warehouse. The equipment that was issued to us was then modified to operate in the ham bands as well as military frequencies. Now we would call this gear "Boat Anchors", but then it was considered prime gear.

For two meters we had a modified SCR-522. Out of the box it weighed 91 pounds, after replacing the dynamotor with a 28 volt 25 amp power supply it weighed considerably more. All this for 15 watts power out of AM modulation.

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## Presidents Wavelength:

Bruce Hunt N6BRH

I was elected to act as your spokesperson, but there are a number club issues where I need your guidance. Last year, we didn't have a program at most of the monthly club meetings and I would like to see that change. We have some interesting programs planned for the next couple of months, but we need more. But rather than just letting one or two people choose the programs for the entire club; we would like to get suggestions from more of our members. The problem is that what may be interesting to one person may not be interesting to you. So if there is a subject that you would like to hear more about, be sure to let any member of the Board of Directors know. As a matter of fact, if there is a subject that you feel knowledgeable about and would be interested in doing a program, let us know as well. I believe that we should keep the subject matter at least loosely related to Amateur Radio, radio, electronics and/or communications. But if in doubt, please bring it to the Board's attention and we can discuss it. And while you are working on your list of subjects for the programs, ask some of your ham friends about their areas of interest. Maybe they have some old radio gear that has an interesting story attached to it. And by the way, when you are talking to your ham friends, invite them to accompany you next month to the next LBARA meeting. Even if they use to be members but aren't any longer. Or they are not currently licensed but you think they would be interested, bring them along and we can work on getting them licensed. After all,

everyone is welcome!

Lastly I would ask that you think about the club's communications trailer. The trailer is very old and by today's standards is extremely heavy and difficult to move (tow). Should we keep the trailer and deal with it? Should we replace it? If we replace it, do we replace it with another trailer or with a self powered vehicle (van or bus or ...)? There are a number of schools of thought, so your input is important.

Remember this is your club!

Thanks for the input. Talk to you down the log.

73 de N6BRH (Bruce)

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### **W3DLY'S First station:**

(This was before FM 2-meter operation started). The Radio Teletype (RTTY) was used mainly on military frequencies handling health & welfare messages from servicemen overseas. HF operation was supported with a home brew 80-10 meters AM transmitter using a pair of 6146's in the final and a Hammarlund SP-200 communications receiver. The remaining equipment in the racks are mainly power supplies for the above, a variable Master Oscillator and a RTTY demodulator.

Our mobile station was the Heathkit Cheyenne/Comanche transmitter/Receiver combination with 75 watts AM output, It also required external +500 volts, +300 volts and +12 volts @ 4 amps. All of my radio equipment required "boat anchor" power

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**W3DLY**  
supplies.

We were members of the Radio Amateur Mobile Society (RAMS) in Sacramento, a very active, family oriented, radio club. In addition to our monthly meeting, we had a Saturday morning net on 3965 Khz and at least once a month, a mobile run for a family outing. The RAMS are still active and hold their mobile runs, not on HF but on 2-meters FM and not once a month, but occasionally.



Trish McGlynn, WA3GKT  
(ex WB6AOG) at the controls.

Submitted by:  
Vern McGlynn, W3DLY (ex WA6YZO)  
[w3dly@citlink.net](mailto:w3dly@citlink.net)

**Electricity Explained:**

From: W7TCK News  
Capital City Amateur Radio Club  
Helena, MT

Here is a simple experiment that will teach you an important electrical lesson: on a cool, dry day, scuff your feet along a carpet, then reach your hand into a friend's mouth and touch one of his dental fillings. Did you notice how your friend twitched violently and cried out in pain? This teaches us that electricity can be a very powerful force, but we must never use it to hurt others, unless we need to learn an important electrical lesson.

It also teaches us how an electrical circuit works. When you scuffed your feet, you picked up batches of "electrons", which are very small objects that carpet manufactures

weave into carpets so that they will attract dirt. The electrons travel through your bloodstream and collect in your finger, where they form a spark that leaps to your friend's filling, then travel down to his feet and back into the carpet, thus completing the circuit.

**AMAZING ELECTRONIC FACT:** If you scuffed your feet long enough without touching anything, you would build up so many electrons that your finger would explode! But this is nothing to worry about unless you have carpeting.

Although we modern persons tend to take our electric lights, radios, etc. for granted, hundreds of years ago people did not have any of these things, which is just as well because there was no place to plug them in.

Then came the first Electrical Pioneer, Benjamin Franklin, who flew a kite in a lightning storm and received a serious electrical shock. This proved that lightning was powered by the same forces as carpets, but it also damaged Franklin's brain so severely that he started speaking only in incomprehensible maxims, such as "A penny saved is a penny earned." Eventually he had to be given a job running the Post Office.

After Franklin, came a herd of Electrical Pioneers whose names have become part of our electrical terminology: Myon Volt, Mary Louise Amp, James Watt, Bob Transformer, etc. These pioneers conducted many important electrical experiments -- Among them, Galvani discovered (this is the truth) that when you attached two different kinds of metal to the leg of a frog, an electrical current

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**ELECRICITY:**

developed and the frogs leg kicked, even though it was no longer attached to the frog, which was dead anyway.

Galvanti's discovery led to enormous advances in the field of amphibian medicine. Today, skilled veterinary surgeons can take a frog that has been seriously injured or killed, implant pieces of metal in it's muscles, and watch it hop back into the pond just like a normal frog, except for the fact that it sinks like a stone.

But the greatest Electrical Pioneer of them all was Thomas Edison, who was a brilliant inventor despite the fact that he had little formal education and lived in New Jersey. Edison's first major invention in 1877 was the phonograph, which could soon be found in thousands of home where it basically sat until 1923, when the record was invented.

But Edison's greatest achievement came in 1879 when he invented the electric company. Edison's design was a brilliant adaption of the simple electrical circuit: the electric company sends electricity through a wire to a customer, then immediately gets the electricity back through another wire, then (this is the brilliant part) sends it right back to the customer again. This means that an electric company can sell a customer the same batch of electricity thousands of times a day and never get caught, since few customers take the time to examine their electricity closely. In fact, the last year any new electricity was generated was 1937; the electric companies have been merely reselling it ever since, which is why they have so much time to apply for rate increases.

Today, thanks to men like Edison and Franklin, and frog's like Galavani's, we receive unlimited benefits from electricity. For example, in the past decade scientists have

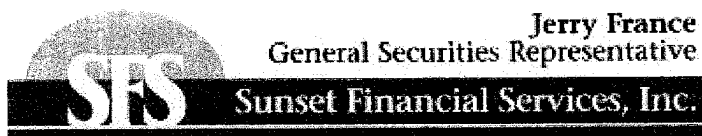
developed the laser, an electronic appliance so powerful that it can vaporize a bulldozer 2,000 yards away, yet so precise that doctors can use it to perform delicate operations to the human eyeball, provided they remember to change the power setting from "Vaporize Bulldozer" to "Delicate."

Our thanks to Harold Hamm, W7HNB for this very informative article.



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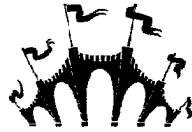
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**February 2004**



**LBARA MEETINGS** are held on the published dates, except the months of June, July, and August, at the Community Room of the Mohave County Library, 1770 McCulloch Blvd. in the KMART shopping plaza. The meeting begins at 7:00 p.m. Visitors are always welcome to all club functions!

**V.E. EXAMS** are normally offered monthly during May, June, July, and August and semi-monthly during the remainder of the year when required. Exams are also available on an appointment basis. For more information, Call Ed Gillespie at (520) 453-7412.

**The LBARA REPEATER (K7LHS)** on 146.61 (-600, with a PL-131.8), is an open repeater sponsored by the club.

**THE LBARA NET** meets each Monday night, at 7:00 p.m. on the LBARA repeater. Net-Control is rotated among volunteers. The **"NEWSLINE"** may be broadcast at

this time.

**THE BOARD OF DIRECTORS** meets on the published dates except the months of June, July and August. Exact time and place of meetings is designated by the Board. Members are welcome to attend board meetings.

**LBARA LUNCHEONS** are held each Thursday throughout the year at the Eagles located at 1516 Marlboro Drive. Lunch starts at 11:30 AM. Visitors and anyone interested in learning more about Amateur Radio are welcome and encouraged to attend.

**COFFEE KLATCHES** are held at various places throughout the city so monitor the repeater for time and place.

**THE LBARA "STATIC"** is the official newsletter of the **LONDON BRIDGE AMATEUR RADIO ASSOCIATION INC.** It is published monthly except June and July. "STATIC" articles (with

the exception of copyrighted material) may be reprinted as long as credit is given to the "STATIC" and individual author(s). Submission of material is invited from LBARA members and other interested parties. Publication deadline is the first Wednesday of the month. Material for publication may be submitted directly to the Editor:

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