



AARC OVER

Bulletin of Austin Amateur Radio Clubs

Austin Amateur Radio Club
Austin Amateur Television Club
Austin Repeater Organization

September 1992



Meetings

• Austin Repeater Organization meets September 1. Topic: VHF Grid Square Expedition to West Texas. Presented by Nick Broline, W5FUA. See the ARO Monitor, inside.

• Austin Amateur Radio Club meets Tuesday, September 8. Topic: 200 MPH On Rails - Riding the French TGV. Presented by John Warren, NT5C.

• Austin Amateur TV Club meets Tuesday, September 15. Topic: To Be Announced.



All three clubs are now meeting at Luby's Cafeteria on North Loop, a couple of blocks west of Burnet Road. Meetings are held in the back room, as far from the cashier as we can get. Meetings start officially at 8 PM, but most folks arrive at 7 or 7:30 and eat together. Visitors, whether hams or not, are welcome.

Don't forget Ham Expo '92 on Saturday, September 26 up in Belton. Billed as Texas' largest indoor tailgate swapfest, it takes place in the 56,000 square foot Bell County Expo Center (I-35 at Highway 292). Free admission, fully handicapped-accessible, lunch counter on site, demonstrations and videos throughout the day, test station for checking out gear, exams at 1 PM, prizes. Set up at 6 AM, sales 8 AM to 3 PM. Contact Mike, WA5EQQ, at (817) 773-4768 for table or tailgate space. Talk in on 146.82 MHz.

Summerfest '92 Report

Austin Summerfest '92, ARRL Texas State Convention and Texas VHF-FM Society Summer Meeting.

Registration: 1333 - largest yet. Surpassed last year's registration by about 150.

Two ARRL Volunteer Examination sessions for FCC Amateur Radio licenses. Involved 25 examiners in a total of five examining sessions. Seventy-six candidates took exam elements. The following license upgrades, or new licenses, were submitted to the FCC for issuance:

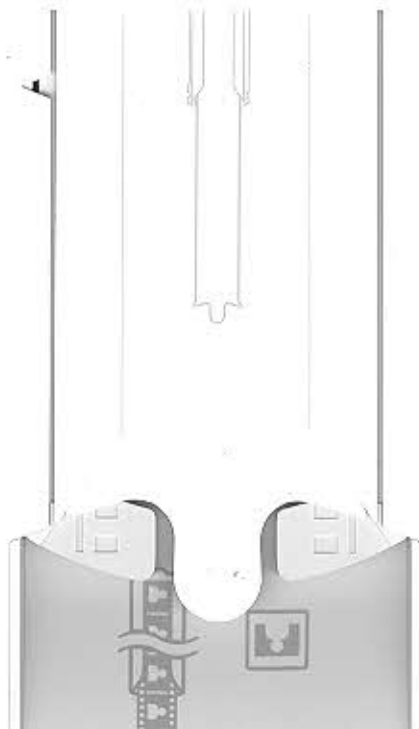
- 3 Extra Class
- 4 Advanced Class
- 4 General Class
- 9 Technician Class plus a code element
- 13 Technician Class without a code element
- 1 Novice Class

In addition to the upgrades and issuances of licenses, there were 21 candidates that passed one or more exam elements not achieving an upgrade or new license.

ARRL luminaries in attendance:

- George Wilson III, W4OYI President, The American Radio Relay League
- Tom Comstock, N5TC West Gulf Division Director
- Alan Cross, WA5UZZ South Texas Section Manager
- Joe Jarrett, K5FOG was presented the ARRL Cover Plaque Award for his article

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Oak Hill Exam Results

Here are results of the July 25 W5YI exams given in Oak Hill.

Name	Call	Upgrade
Ron Stailey	WB5NXH	Extra
Ron Yokubaitis	KB5TIK	Extra
Dick Friedrich	WD5HRP	Advanced
Jack Yokubaitis	KB5SLO	Tech Plus
Paul Kittering	—	Technician

Anne Click, KB5RHA, passed the General theory element but did not upgrade.

The next Oak Hill exam session will be in late September. For more information you can leave a message for me at 892-2640.

de Ken Hollan, K5IQ

Summerfest Report continued

ChipTalker in the December 1991 issue of QST.

Most, if not all, of the Seminars were attended by capacity, near capacity, or over-capacity crowds.

Our Saturday Evening event, the fajita buffet at DANCE ACROSS TEXAS was a spectacular success with 201 people in attendance.

I would like to give special credit to the Organizing Committee Members:
 DEALERS & PRIZES Bob Oliphint, W5GYB
 HOSPITALITY Adam Stevens, WA5IGW
 FACILITIES Claude Green, WD5JCB
 FLEA MARKET Raye Sorensen, WD4CJC
 LADIES' EVENTS Carol Allen, N5KIX
 PRE-REGISTRATION Dawn Heikkila, KB5RSO
 REGISTRATION Chuck & Mickie Inks, W5KNA & K5IOJ
 SECRETARY Don Weiss, KB5PM
 TREASURER Ed Golla, K3AHS

Obviously there are many contributors to the effort to put on this convention, some

HUCK'S COUNTRY STORE**The Middle Man**

Men and women in the middle-age and middle-income group seem to always carry the load. Whether it be taxes, work, leadership or whatever, it's the middle-man who carries the major burden.

Applying the thought to Amateur Radio, I want to ask the middle-man to pick up some of the load. Here is why: The newcomers, those who are just entering ham radio activity, are in great need of the middle man's skill, knowledge and leadership. We older hams need refresher training in the vast technology that has passed us by. Please, you who are in the middle, help us that we too may feel and know the things that the middle men and women take for granted!

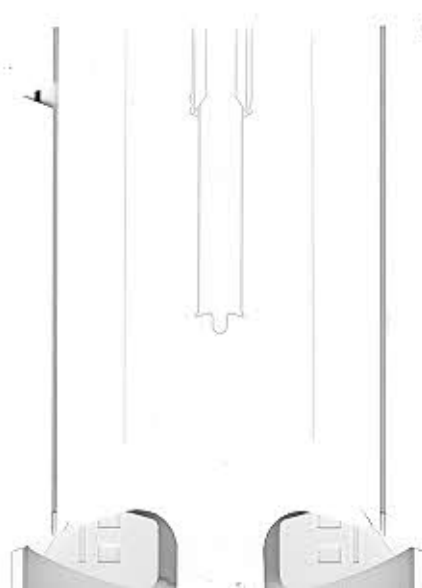
Lets organize some classes, displays, demonstrations, etc. to spread the middle-man technological wealth over the newcomers and the older hams alike.

de Old Huck, AA5BU

Huck is an accredited License Examiner with both the ARRL and W5YI, and he is active with both exam groups in Austin. He has been on the air since before World War 2, holding calls W5KCI, D4AER, A5KCI, W4PPY, KP5ZR and now AA5BU. Huck is 71 years old and operates mostly 40-meter CW "in the fast lane."

of whom put in many, many hours of work. I can't go into more detail without putting out a list exceeding 200 people and even then, I would miss some. Let me finish with a big thank-you to all who helped make this the biggest and best AUSTIN SUMMERFEST yet!

de Joe Makeever, W5EBJ
 ARRL Assistant Director, West Gulf Division





PO Box 4763, Austin, Texas 78765
*Operator of Voice Repeaters on 146.28/88Mhz.,
 146.34/94Mhz., 223.20/224.80 Mhz. and
 449.1/444.1Mhz.*
Packet Digital Repeater 145.01Mhz.
*Sponsor of Central Texas Weather Net,
 ARO Transmitter Hunt and Swapnet*

Amateur Radio Class Starts September 12.
 The basic rules, theory and concepts can be learned from some of the many excellent books available today. But most people find it easier to attend a short series of classes. Here in Austin the Austin Repeater Organization offers classes over 8 consecutive Saturday mornings from 8:30 until 12 noon, with the final Saturday being the examination session.

The classes will be held at Murchison Middle School, 3700 North Hills Drive. Please use the south entrance of the school located on North Hills Drive.

The tuition fee is only \$3, payable to Murchison Community School, 3700 North Hills Drive, Austin, TX 78731. The book

Club Officers

President - Charlie Eichenbaum (WB5H0I) 263-3435
 Vice President - Mike Pendley(WA5VTV) 331-5350
 Secretary - Phil Steinbach (WB5SUR) 258-3215
 Treasurer - Tonia Kinney (KA5TXX) 442-8427
 Editor - Clovia Womack (WA5DKG) 327-6571

used during the course is called "Now You're Talking" about \$19 and can be purchased from Austin Amateur Radio Supply or one of the Radio Shacks in Austin.

New Equipment for the Weather Bureau Station

The equipment and antennas at the weather station are several years old and in need of being modernized or replaced. The antenna has been described as a piece of co-ax and a coat hanger. The operating position is used as net control station when the ARO weather net is in operation and it is necessary to have capable and reliable equipment to fulfill this mission.

TRANSMITTER HUNT - SEPT. 5, 7 P.M.

AUSTIN REPEATER ORGANIZATION SEPTEMBER MEETING

Luby's on North Loop - TUESDAY, SEPTEMBER 1, 1992 -- 8:00 PM

**PROGRAM: VHF GRID SQUARE EXPEDITION TO WEST TEXAS
 by NICK BROLINE W5FUA**

AARC August Meeting: The Minutes

Here are the minutes of the Austin Amateur Radio Club meeting of August 11, 1992: President Jim Neely, WA5LHS, started the August meeting of the Austin Amateur Radio Club at 8:00 PM in Luby's on North Loop.

VISITORS: We had a good group of visitors which included Mark, KF5PO; Frank, W5QOT; Bob, KB5SJO; Tommy, N5GXB; VE3WE, who recently moved to Austin; VU2LK, visiting from India; David, WD5FGZ; Keith, WB9KHL; Gene, KB5UDO; A.C., K5VIR; Paul and Jason, who have not received calls as yet; plus others whose calls and names were not clearly heard by the Secretary. Several of our visitors were later accepted as new members of the AARC.

MINUTES: The minutes for July 14 were approved as printed in the AARCOVER.

OFFICER REPORTS: Treasurer Dave, KF5NB, reports the current checking account balance as \$2,608.56 and the postal account balance as \$158.15. The Activities Manager, Gary, WX5Z was not present. However, it was reported that Gary has spent a lot of time lately doing maintenance on W5KA, the club station at the Red Cross.

NEW MEMBERS: We had several new members voted in. These were: Frank, W5QOT; Michael, KB5RBW; Dan, KB5TWO; David, KB5TKE; KB5TIK; N5ZLW; Norman; WB5TZJ; and Paul who is waiting for his call. We extend a welcome to all these new members!

OLD and NEW BUSINESS: None.

ANNOUNCEMENTS: The article on amateur radio in last week's paper was

complemented. Those persons who organized Summerfest were thanked for their excellent work.

- Joe, W5EBJ, summarized Summerfest: 1333 people registered, there was more room in the swapfest area, too many people were involved to name individually but thanks go to all of them, and the committee is already working on next year's event.

- Hal, W5MDL, has been appointed as a West Gulf Division Public Information Officer. Hal asked for feedback and contacts within both the newspaper and broadcast industry. He plans to make the newspaper article mentioned above just the start.

- Rick, K5FNI, has the up-to-date ARES Net control station lists.

- Will, W5HNV, reported that the largest steam locomotive still working, a 4 6 6 4, will come through Austin, on Saturday, August 22 on the way to San Antonio from Houston, and again on Sunday, the 23rd, on the way to Fort Worth.

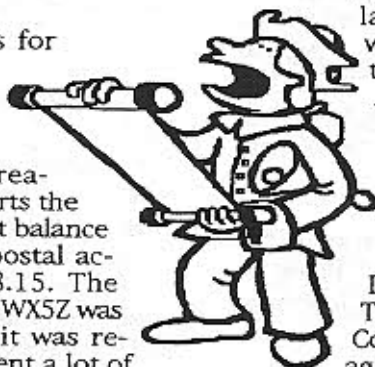
- Joe, W5EBJ, the West Gulf Division Assistant Director, reminded us that there is an ARRL Director's election later this year. The present Director, Tom Comstock, N5TC will run for office again. Also Jim Hanie, who held

the office some years ago, has announced that he will also be a candidate for the office. Joe asked us to take an interest in the election and to vote. It was reported that less than 20% of the ARRL membership voted in the last Director's election.

- Charlie, WB5HOI, announced that both a Novice and no code Technician license classes will start on September 12.

- Will, W5HNV, stated that the ARRL is planning to add a session to the code practice broadcasts designed to help those with no code skills start and get up to 5 words per minute.

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A Few Austin Summerfest '92 Notes

Random observations from Summerfest '92. Attendance was 1,333 this year, up from 1,186 last year. 201 signed up for fajitas at Dance Across Texas.

•Plenty of aisle space in the swapfest area. Hallelujah!

•George Wilson W4YI, president of the ARRL, said:

a. We are up to 202 sponsors for the Amateur Radio Spectrum Protection Act. Keep sending in those QSL cards.

b. ATIS (Automatic Transmitter Identification System) is coming for all radios...maybe including retrofits of existing ham radios.

c. Fines are way up. The FCC is gung ho to clean up the bands.

d. ARRL may change to AARL, American Amateur Radio League. Even Hiram used that term once.

e. League is working on a new mailout for new hams.

f. Some astronauts refuse to QSO with hams who do not use official ICAO phonetics.

g. Over 35% of no-code hams come back later and take the cw exam. Australia claims 95% upgrade rate.

h. Listen for cw for no-code hams on the W1AW code practice sessions. There is a demand for it.

•New-ham session on 14th floor was great! All seats taken, folks standing and on the floor. Most under 30 years old, many under 20, women well represented. Brad Rehm, KV5V, got all the new hams fired up to become DX'ers. Super job by organizer Dawn Heikkila, KB5RSO!

•Not to be missed: The look on the face of the OM who opened the front door of the meeting room during the Virtual Reality talk. Guru Jim Huffman, WA7SCB, was literally jumping and running around the front of the room at the time. The ham took a long look, evidently decided he was in the wrong place, and left.

•AMSAT needs \$1.5 million for the Phase 3D satellite.

a. Bird will weigh 1100 lb., wingspan 25 ft., operate with ~5 transmitters and ~3 receivers between 10 meters and 10 GHz. Power budget is 800 watts, up to 25 kilowatts ERP on some bands [will it burn out FET front ends?]. Launch 1995.

b. Other ham satellites slated for 1993 launches are French ARSENE and Israeli TECHSAT.

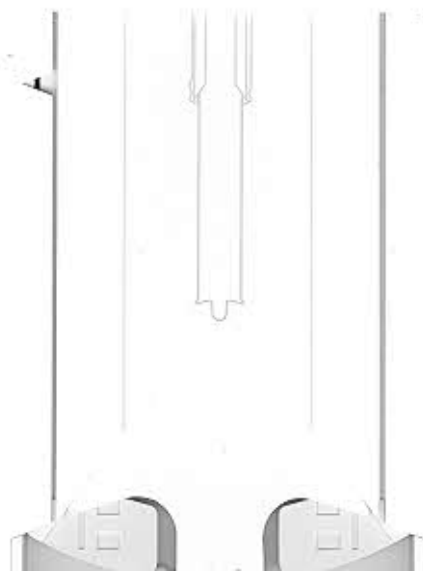
Austin Summerfest was great! I can't wait until next year.

de Miles Abernathy, N5KOB

Minutes continued

PROGRAM: Vice President Rod Moag, W0NDS, issued the only complaint heard about Summerfest, that he did not win the grand prize! Rod blames the organizing committee personally for this affront. Rod then introduced Jim Shaefer, KE5AL, who earned his license when he was 11. Jim, using both an overhead projector and a tape recorder, showed how he developed a computer program that can read hand-sent code. The algorithms, i.e., the comparisons, decisions, and branching that the programs makes, were examined and their effect explained. Jim both has a good computer program and gave a good talk but he fooled us; since he works for "Big Blue" as a programmer, they have all rights to the program and it is not available for distribution except by those who might have obtained it by "unscrupulous means".

Respectfully submitted by: Joe Canfield, N5HPC, AARC Secretary.



Ground Rods and Bedrock: Problem Solved!

PROBLEM

Every one who has tried to set a ground rod in rocky soil wishes there was a good way to do what seems an impossible job. Many times the rod being driven bends or buckles, and may even come curling back out of the ground after striking a rock. With 8-foot commercial ground rods, just getting high enough to hammer the end effectively is difficult. I am going to describe one solution to this problem. I have manufactured two sets of ground rod drills which I and several others have used successfully.

SOLUTION

While limestone is a comparatively soft rock, it is still very resistant to penetration by a standard ground rod being driven by hammer blows on the other end. On the other hand, limestone is fairly easy to drill with a standard carbide-tipped masonry drill. My ground rod drill set makes the shaft driving the masonry drill as long as the ground rod.

Two drills were constructed. The short drill is about 4-1/2 feet long (including the length of the masonry drill) and is used to drill a 4 foot deep pilot hole for the main drill. The main drill is about 9 feet long. When it is inserted into the pilot hole, the extension above ground level is about 5 feet and allows the drill to be operated from ground level until the hole is completed.

DESCRIPTION OF THE GROUND ROD DRILL SET

Each of my drills was constructed by brazing a 1/2-inch masonry drill bit (hammer-drill type for impact resistance) to a 7/16-inch cold-rolled steel rod. The slight under-diameter prevents binding of the drill. Each component should be held in alignment by some kind of jig while the rod ends are being brazed. (I used a length of angle iron and C-clamps as a jig.) After each joint was brazed, I chucked the drill

in my lathe and turned the excess brazing metal down to the diameter of the drill rod. The rod was also checked for being axially aligned. Any deviation was removed by bending the drill at the brazed joint until there was no visible runout as the chuck was rotated. The same task can be

How do you drive an 8-foot rod into the ground when you only have a few inches of soil?

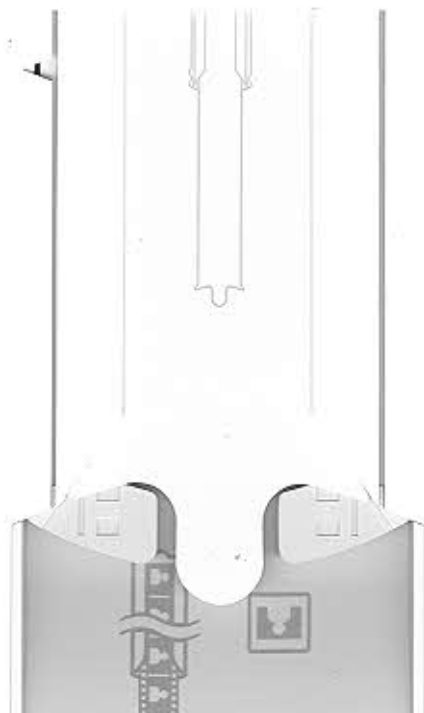
accomplished with greater difficulty by rotating one section of the drill in the jig (let it cool first) while monitoring the observed end.

The terminating piece had one end turned down to 3/8-inch diameter after which three equally spaced flats were filed to provide driving flats for the drill motor. Turning the 7/16-inch rod diameter down to 3/8-inch diameter is not practical without access to a metal-working lathe. Careful work against a grinding wheel might possibly do the job, however. Once the sub diameter section of about 2-inches length has been created, the three equally-spaced flats can be made by filing or grinding. Good workmanship to make evenly spaced and filed flats is important, otherwise, the drill chuck will probably work loose during use.

Any straight rod of appropriate length and uniform diameter could be used. Even a ground rod itself could be used if the next size larger masonry drill were also used. However, do NOT try rebar; it is not of uniform diameter and will jam in the hole.

HOW TO USE GROUND ROD DRILLS

To use the pilot drill, dig a hole about a foot in diameter and six inches deep. Keep this sump filled with water until the hole is completely drilled. The water functions



Ground Rod Drills continued

as a lubricant and cooling fluid for the drill and as a carrier for washing the drill cuttings out of the hole. The power source is a 3/8-inch drill or 3/8-inch hammer drill (the better choice) or larger drill motor. **YOU MUST USE A GROUND-FAULT-INTERRUPTER CIRCUIT FOR POWER!**

Chuck the electric drill to the driving flats of the drill, place it in the center of the sump, and drill away. At frequent intervals, raise and lower the spinning drill rapidly in the hole to flush out cuttings from the bottom of the hole. Also, perform the hole flushing operation at the slightest hint of binding of the drill. When the hole has been penetrated by the length of the pilot drill, flush the hole thoroughly and then replace the pilot drill with the full length drill and continue. Remember to keep the sump filled with fresh water and to flush the hole thoroughly by pumping the spinning drill up and down.

When you are at full depth, remove the full length drill, insert the ground rod and work it as deeply into the hole as possible by hand. It will probably go down two or three feet before encountering too much resistance. The rod must be driven the remainder of the distance until the end of the ground rod is three or four inches below ground level. Bury the end of the ground rod after clamping the ground wire to it, to avoid a safety hazard to lawn mowers and people walking.

de Lloyd B. Crawford, N5GDB

Stray Currents

- Hams in Croatia have begun using the prefix 9A.
- The ARRL supports granting U.S. hams specific call signs upon request. de ARRL via Jim Greenwood, AB5EK

Stray Currents

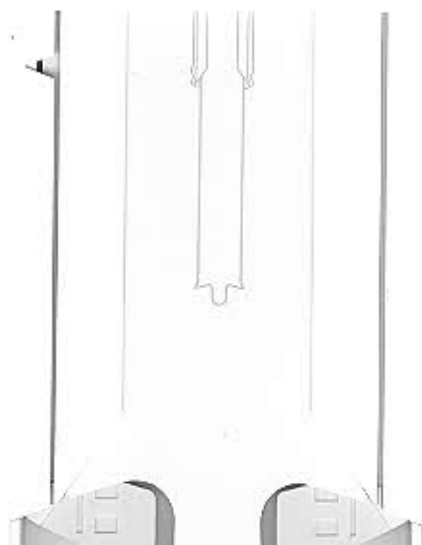
Classes for new hams start Saturday, September 12, at Murchison Middle School, and continue for 8 weeks. Classes last from 8:30 AM until noon. The textbook is *Now You're Talking*, available for about \$19 from Austin Amateur Radio Supply and Radio Shacks. Sign-up is through Murchison Community School, 3700 North Hills Drive, Austin 78731. Send them your name, address, phone numbers, social security number and \$3, along with a note that you want to take class #9RA101.

Our own Hal Henegar, W5MDL, has been appointed Public Information Officer of the ARRL's South Texas Region. One of his jobs is to keep the media informed of the good works that amateur radio operators do. If you know of any ham radio tie-in to a larger event, such as earthquake, flooding, civil strife, etc., or anything else that might interest the public, please call Hal right away. His phone number, 836-2012, will be listed each month with those of the Austin Amateur Radio Club officers.

Amateur Radio Emergency Service (ARES) will have its regular 5th Tuesday meeting on September 29, 8 PM, at Luby's. Probable topics include the pager project and the upcoming Simulated Emergency Test (SET).

The deadline for submissions to the AARCOVER has been moved up a week, to the 14th of the month, to assure that issues can be mailed (and hopefully, received) before the Austin Repeater Organization meeting. Late submittals are gladly accepted and will be saved for the following month.

Tune your FM talkie to 145.985 MHz and listen for neighboring states via AO-21. Outdoor antenna helps. Uplink may be on 435.016, 435.041, 435.115 or 435.193 MHz. (de Joe, N5HPC, and Ron, W5RON)



Plenty of New Hams, Upgrades at Summerfest

Here are the results of the ARRL / VEC exams given August 8, 1992 at Austin Summerfest. These individuals obtained or upgraded their licenses:

NAME	CALL	UPGRADE
Morning Regular Session		
Randolph Carroll	WB4FAM	Extra
Joseph N. Cecil	W5RIQ	Advanced
Linda Lakenmacher	N5WEZ	Advanced
John J. Maca III	WB5PYI	Advanced
John S. Moore	N5SJJ	Advanced
Marvin L. Hope	KB5QHO	General
Johanna L. Preston	KB5KSL	General
William T. Ward	KB5UJU	General
David P. Hoge	WD5FGZ	Tech Plus
Michael J. Jackson	KA6ZPL	Tech Plus
Al Suttles	-	Tech Plus
Gerald R. Wines	-	Tech Plus
Catherine L. Wolff	N5SZA	Tech Plus
Amy K. Hilton	-	Novice

Morning No-Code Session

Marshall N. Spear	KB5BGT	Tech Plus
David Alexander	-	Technician
Thomas J. Davidson	-	Technician
Jason J. Hernandez	-	Technician
Robert E. Hoyle	-	Technician
Phillip T. Muehring	-	Technician
Lisa J. Ogren	-	Technician
Charles H. Riordan	-	Technician

Afternoon Regular Session

Philip R. Alexander	N5RXJ	Extra
James C. Lanier III	KI5NC	Extra
David K. Cox	KA5ZPD	General
David Burgess	KB5PQV	Tech Plus
Marc Hendrickson	N5XWN	Tech Plus
Ira L. Walton	KA5YGY	Tech Plus
Gary J. Gage	-	Technician
Cynthia L. Libby	-	Technician
John R. Moore	-	Technician
Jim M. Mott	-	Technician
Toan Nguyenphu	-	Technician
Bobby J. Reed	-	Technician

A total of 76 candidates took exams. Besides the above upgrades, twenty-one

candidates passed one or more exam elements, but did not upgrade their license.

VE EXAMINERS

Morning Regular Session

Sanford Musgrove	W5FIT
Huck Huckabee	AA5BU
Ray Menke	WX5D
Andy Williams	AB5FZ
Dick Ber	KB5BBU
Ronnie Hughes	N5CSE
Bill Pierson	K5TMS
Larry Gunter	WB5BEK

Morning No-Code Session

Gene Hinkle	K5PA
Barry Davis	AA5GN
Joe Thiel	N5SMN
Jim Greenwood	AB5EK
Mark Johnson	KJ5AN
C. Eichenbaum	WB5HOI
Carol Thiel	N5TLY
Gerald Garcia	N5UMB
Jim Bennett	WB5IMB
Pat Martin	KB5AZO

Afternoon Regular Session

Steve Runyon	WQ5G
Bob Redoutey	KF5KF
John Bogard	KF5RX
Larry Runyon	W5SBE
Ron Willingham	KF5QW
Gary Pickens	WX5Z
Steve Gorski	KG5IG
Jim Greenwood	AB5EK
Larry Gunter	WB5BEK

I want to thank all of the above VEs for giving up a large portion of their "Summerfest" time to give these exams. Special thanks to Gene Hinkle, K5PA, Steve Runyon, WQ5G, Huck Huckabee, AA5BU, and Bob Redoutey, KF5KF for being the session leaders for these exams and taking care of the paperwork for their respective sessions.

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Conductive Paint

A word of warning about the conductive sprays some people recommend as a 'cure' for plastic-cabinet RFI from computers and similar devices:

MAKE SURE you use the right spray, and if necessary, a primer too. I have just seen the horrible mess you get when you use the wrong coating and it flakes off all over the inside of a PC. Like conductive dandruff, all over the planar-board..... crackle! Sputt!.... exit left one SIMM module and the video card....

Depending on the plastic your case is made of, you may require a solvent etching primer (which slightly dissolves the surface of the plastic and allows the conductive paint to keep its hold on the plastic). Again, if you use the wrong paint, it could just dissolve the plastic with excessive zeal, and you may be left with a case with a texture like pizza... consult the paint suppliers for details of the primers and other surface treatments... their support technicians are usually happy to help you get the best from their products.

de Pete Lucas, G6WBJ

Additional thanks to Joe Makeever, W5EBJ and Gene Hinkle, K5PA for helping generate the code exam tapes and tests for this session.



The next ARRL / VEC exams will be held at Murchison Middle School, 2700 North Hills Drive, Austin, on Saturday, September 12, 1992 @ 9:00 AM. Please arrive by 8:30 AM.

If you have any questions regarding the upcoming exams, please contact me at 473-3526 (work) or 345-7281 (home).

de Larry Gunter, WB5BEK

Stray Currents

The Antenna Farm BBS (Sysop: Ben Thornton, WD5HLS) suffered an accidental loss of its Macintosh files recently. If you have any ham-oriented software for the Mac, please upload it. More recently, the board suffered a crash involving the list of users, so don't be surprised if it thinks you are a stranger. The phone number is 444-1052.



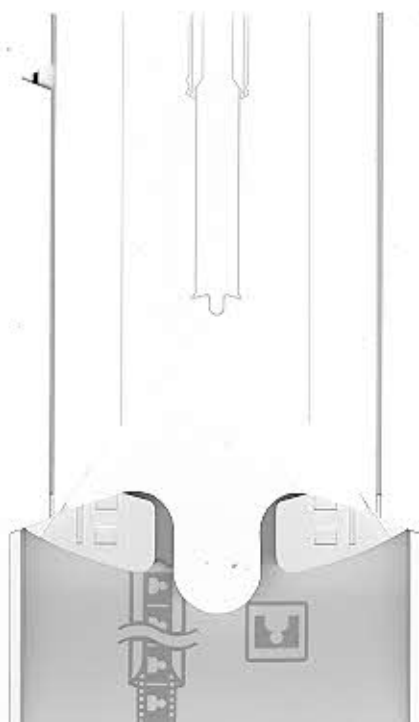
Continuing its pattern of increased enforcement, the FCC has fined Gino Turrella of Kent, Washington, for operating on 2 meters without a license, profanity, and threats. The fines total \$10,000. Next task: Clean up 20 meters! (de ARRL via Jim Greenwood, AB5EK)

Alkaline Battery Capacities

In the following table, the first column shows Mallory part numbers. The fourth column shows capacity, in milliAmp-hours. The last column shows the capacity relative to an alkaline D-cell.

Mallory #	Size	Volts	mA-hr	%
MN1300	D	1.5	15,000	100%
MN1400	C	1.5	7,000	47%
MN1500	AA	1.5	2,250	15%
MN2400	AAA	1.5	800	5%
MN9100	N	1.5	650	4%
MN1604		9.0	500	3%

de Frank Reid, W9MKV



AARC & AACROVER Information

Austin Amateur Radio Club, Inc.

Officers

Jim Neely, WA5LHS, President 442-4812
 Rod Moag, W0NDS, Vice Pres. 467-6825
 Dave Marschall, KG5ND, Treasurer .834-1779
 Joe Canfield, N5HPC, Secretary 258-4761
 Gary Pickens, WX5Z, Activity Mgr ... 454-3230

Committees & Positions

Ed Golla, K3AHS, Technical 255-4818
 Joe Fisher, K5EJL, ARES Coord. 926-4689
 <vacant>, AACROVER Editor
 Hal Henegar, W5MDL, P.I.O. 836-2012
 <vacant>, Official Greeter

If you are able to help with a vacant position, please contact any club officer.

Viewpoints expressed in The AACROVER do not necessarily reflect those of any club or its members, directors, or officers.

Members are encouraged to submit material for publication...mail to AACROVER, 3216 Park Hills Drive, Austin 78746, or call Miles at 327-1310 if it is in computer format. Submissions may be edited for format, style and suitability. Deadline for the next issue is the 14th of this month. Late material will be saved for next month.

We grant permission to reprint AACROVER articles provided that you credit the author and the AACROVER.

The Austin Amateur Radio Club, Inc., maintains a repeater with open autopatch and emergency power on 146.78 MHz, and an emergency HF / VHF station at the American Red Cross Building. Membership dues are \$6 per calendar year (\$10 for a family). Dues for new members are pro-rated, so the cost for the rest of 1992 is only \$3.00 for an individual, or \$5.00 for a family. Please contact an officer if you would like to join the club, and come on down to the next meeting.

Lightning Resuscitation

Most of these tips are from AJN (American Journal of Nursing), Aug. 1992.

- A person who has just been struck appears to be dead...no pulse, no breathing. Swift cardio-pulmonary resuscitation (CPR) will usually revive them. Often their heart will re-start by itself, but their breathing center is still paralyzed...give them CPR until they start breathing again.

- Try not to move a strike victim. If you must move them, immobilize the spine first. Spinal injury is always a possibility, due to a fall or muscle spasms.

- Dilated, unreactive pupils of the eyes are not a sign of death in lightning victims.

- Lightning flowing over the outside of the body may vaporize moisture on the skin, which causes minor to moderate burns and "blasts the victim's clothes apart."

- Ruptured eardrums frequently occur. They will probably heal.

- Victims have amnesia...they do not remember the lightning strike, and are confused. They need a sympathetic person to sit with them while they figure things out.

- Paralysis and loss of sensation of the arms and legs usually goes away by itself.

Amnesia, confusion, restlessness, disorientation, hysteria and aggression are common after a lightning strike. They tend to last 3 or 4 weeks. Memory and sleep disturbances may persist for months. Phobias of thunder, lightning and death are common [easy to understand why!].

To sum up, give CPR quickly to lightning victims who appear dead, and most will "come around."

de Miles "no medical training" Abernathy, N5KOB

Guest Editorial

Calendar

New Hams Need Elmers!

I have observed the behavior of some no-code hams over the last few months and have decided the following:

- Many of them are relatively young.
- Many of them are from the CB world (judging by the occasional CB lingo).
- Most of them motivated themselves into the hobby with little or no outside influence or assistance.



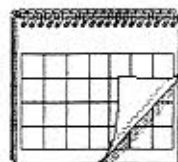
Again, these are just observations and don't reflect on individuals. My main point is the last one. These days, one can get a license easily if one has a small amount of technical knowledge and a study guide. Since operations on VHF and UHF is casual, new no-code

hams often get on the air with no observation of decent operating practice. Most of the old timers run away when they hear a legion of no-codes coming on the air. As a result, all I hear is no-code techs talking to no-code techs and all parties floundering in innocent ignorance and misinformation. As long as other hams run away from the no-code techs, nothing will change. New hams will follow whatever example they hear on the air - including bad examples and no examples. Young people, especially, will benefit from good example.

Elmering on 2m FM may not seem "right," but it is probably necessary. Do you want hams with no experience showing up confused at the next disaster? Remind them of what their license really means: When the cards are down their skills will be needed. Get them involved; make them part of the "fraternity".

de Scott Keller, KA0WCH

Sep 1...Austin Rptr. Organization meets
 Sep 8...Austin Amat. Radio Club meeting
 Sep 12...ARO No-Code ham classes begin
 Sep 12...Ham exams, 8:30 AM, Murchison
 Sep 12-14...VHF QSO Party
 Sep 15...Austin Amat. TV Club meeting
 Sep...Oak Hill exams, late in month
 Sep 19-20...10 GHz Cumulative Contest
 Sep 26...Temple / Bell Co. Ham Expo 92
 Sep 26...Laredo Hamfest (146.84 MHz)
 Sep 29...ARES meeting @ Luby's
 Oct 3...Ham exams, 8:30 AM, Murchison
 Oct 6...Austin Rptr. Organization
 Oct 10...Manchaca swapfest
 Oct 10-11...W5 DX Bash, Lake Buchanan
 Oct 13...Austin Amat. Radio Club meeting
 Oct 17...Am. Radio Day @ TX State Fair
 Oct 17...Scout Jamboree on the Air (?)
 Oct 17-18...Simulated Emergency Test
 Oct 20...Austin Amat. TV Club meeting
 Nov 6-8...ARRL Hamfest @ Houston
 Nov 7...Ham exams (?), 8:30 AM
 Nov 7-9...Sweepstakes, CW
 Nov 21-23...Sweepstakes, phone
 Dec 4-6...160-meter contest
 Dec 5...Ham exams, 8:30 AM, Murchison
 Dec 12-13...10-meter contest
 Jan 9...AARC Banquet @ Zilker Clubhouse
 Calendar updates to Miles @ 327-1310.



Weekly Events

AMSAT Net...Sundays, 6 PM, 224.14 MHz
 ARES Net...Sundays, 6:30 PM, 146.94 MHz
 ARES Net...Sundays, 8:30 PM, 146.78 MHz
 SwapNet, NewsLine...Sun., 9 PM, 146.94
 UT ARC Net...Tuesdays, 9:30 PM, 147.18
 LunchNet...Thurs. @ Holiday House #4
 QCWA Net...Thursdays, 8:15 PM, 147.18
 Breakfast...Saturdays, Simon David deli.
 U.T. SwapNet...Saturdays, 9 PM, 145.21
 WeatherNet...as needed, 146.94 MHz