



YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 20–No.11 • November 2005

From the President's Desk



Another successful Prescott road rally. Thanks to Bob, WB7RRQ, for doing such a good job organizing the amateur operators for the event. Word from the rally participants is that

they were very much impressed by our communications support. Thanks to all hams, club members, and non-members, who participated.

I am happy to announce that YARC has received designation as an ARRL Special Service Club. This is quite an accomplishment and is due to the efforts of so many of our club members. Jim, N5RO, has agreed to be the club's public information officer. Neil, KA7JAS, and Chuck, K7QO, have agreed to share the duties of technical specialist. These positions are required for the ARRL SSC club designation. The purpose for the public information officer is to "Establish an effective Amateur Radio presence in your community, including contact with local media and coverage of your activities." The technical specialist position is to be used for "Continuing education in the technical aspects of Amateur Radio." I urge club members to help support these volunteers to accomplish their duties. I thank them for volunteering. Obtaining ARRL Special Service Club status is a feather in the hat of an amateur radio club, one which few clubs are able to obtain. Here is what the ARRL says about Special Service Club designation:

A special program exists to recognize those ARRL Affiliated clubs who do more than the usual for their communities and for Amateur Radio. These well-rounded groups are the Special Service Clubs (SSCs). SSCs are the leaders in their Amateur Radio communities. They're the ones with the active training classes, the publicity

program and the members who actively pursue technical projects and operating activities.

Truly special Amateur Radio clubs are well balanced in their programs for serving the community, developing club members' Amateur Radio skills and social activities, striving each year to build on their successes to improve their effectiveness. The objective of the ARRL's SSC program is to help good clubs organize and focus their efforts on those things that really count. Being an SSC should mean that members have certain skills, that the club as a group has the ability to improve service inside and outside the Amateur Radio community, and that it does so when needed.

As of the October meeting, the nominating committee, Bob, WB7RRQ, and Terry, KB7TRE, were still looking for a candidate for club secretary. In a club the size of ours, with so many capable members, I am hopeful we will find a good candidate. The election for secretary, vice-president and at-large board members will be held at the November meeting. It is imperative we find a candidate for secretary. This is a position of importance for the club as the secretary not only takes minutes of meetings, but he/she is critical in handling some legal and other paperwork for the club. I urge all of you to give serious consideration to being a candidate for secretary. The club cannot function without a full slate of officers and board members. Many members have served as officers and/or board members in the past. Those who haven't done so would, I think, be the ones most likely to consider serving in this rewarding office. I know Joe, AC6AA, will be a hard act to follow, but he has everything very well organized and will provide the new secretary with a very smooth transition into the job.

73,
John, WB9VGJ

Welcome to the Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated Special Service Club. The club participates in many activities in the tri-city area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community. Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/year. The YARC meets at 7:00 p.m. local time on the first Thursday of every month in the Technology Room 404, at the Granite Mountain Middle School, 1800 Williamson Valley Road in Prescott. It is about ½ mile north of Iron Springs road, and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting. The weekly Net is held every Wednesday at 7:00 p.m. local time on 146.880- repeater. All amateurs are invited to participate, and visitors are always welcome. The Yavapai County ARES/RACES Net is held on Monday nights approximately at 6:45 p.m. local time on the 147.220+ repeater on Mingus Mountain. A PL of 162.2 is required

Club Repeater

The local 146.880- repeater is the official adopted repeater for the YARC. It is located on the hill above Willow Creek road and requires a PL of 100.0 Hz. If you hear a 1400 Hz pulsing tone, the repeater is on backup battery power and usage should be limited to necessary communications.

Many thanks to Bill Kafka, W2YAV. ■

YARC Officers for 2005

President John Broughton, WB9VGJ wb9vgj@arrl.org	Vice President Bob Rosevear, WB7RRQ rosevear520@cableone.net
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Secretary Joe Oliver, AC6AA joliver@commspeed.net	Treasurer David Passell, K6UWV davidrex@northlink.com
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YARC Board of Directors (includes Club Officers)
Rex Mauldin – N7NGM
Terry Pemberton – KB7TRE
Jack Ragen – W3IVQ
Walter Schumann – KF6SPS

Newsletter Editor: Joe Oliver, AC6AA

Minutes of October 6, 2005 General Meeting

John, WB9VGJ called the meeting to order at 1900. The Pledge of Allegiance was recited and members introduced themselves.

Visitors: Vi Hughes, Patti Halgunseth, KD7VBG, Marilyn Snyder, Jane Maraschiello, Tony Jackson, KI6AHH, Marty Goyette, KF6BTV, Larry Sinclair, WB6HAA, Bob Goldasich, KA9TPE, and Ben Grady, W2SNQ.

New Members: Henry Dye, KE7DTW voted in on a motion from Hal, N6OVE and seconded by Fred, KC7TIN. Lee Shoblom, N6ADA and Kent Jewell, AK7KJ were voted in on a motion by Tom, W2JKG and seconded by Terry, KB7TRE.

Meeting Minutes: A motion to approve minutes of the September 1, 2005 Board meeting was made by Terry, KB7TRE and seconded by Jim, N5RO. A motion to approve the General meeting minutes was made by Hal, N6OVE and seconded by Terry, KB7TRE. Both were unanimously approved by membership.

Treasurer's Report: Dave, K6UWV reported a balance of \$1497.63. \$250.00 was given to the American Red Cross for the Hurricane Disaster Relief – this amount was matched by Compass Bank, for a total gift of \$500.00.

Committee Reports:

● *Lloyd, WA6ZZJ reported on several ARES/RACES/Public Service events:*

- Red Cross Assist: A five person team was sent on Sept. 7th & 8th and a four person team was sent on Sept. 14th & 15th to support the Red Cross at the Memorial Coliseum in Phoenix.

- Road Rally: Scheduled for October 7th and 8th. Bob, WB7RRQ will coordinate this event.

- America's Walk for Diabetes: Will take place on Saturday, October 15th on the Yavapai Indian Reservation. John, WB9VGJ has operators for this event.

- Prescott Skyfest: Additional operators will be needed for this event on Saturday, October 15th.

● *Prescott Road Rally:* Bob, WB7RRQ reported that all is ready for this weekend.

● *Newsletter:* Joe, AC6AA stated that ten people had submitted various articles and pictures for September's newsletter. The Board has approved increasing the size of the newsletter, to accommodate the good response from members.

● *IRLP:* John, WB9VGJ indicated that N7KPU is receptive to linking his Glassford Hill 440 repeater with the club's IRLP simplex node and they will sit down to work out the details.

● *Club Brochures:* Jim, N5RO has updated the brochures and the Board has approved printing 250 copies.

● *Patches/Badges/Shirts:* Dave, K6UWV has club patches for \$3.00; Bob, WB6ODR has badges for \$5.60; Dick, W6CCD can order club shirts for \$20.50.

● *License Class:* VE testing will be held on November 12th at the Jeep Posse Bldg at Pioneer Park.

Old Business:

● *Yavapai County Fair Parking:* Doug, KB6TWC presented the club with a check for \$420 from the Jeep Posse.

● *ARRL Special Service Club Status:* John, WB9VGJ read an ARRL letter designating the YARC as a Special Service Club and commending the club for its efforts. Jim, N5RO is our new Public Information Officer, and our Technical Officer position is shared by Neil, KA7JAS and Chuck, K7QO.

● *Prescott Valley Arts Festival:* The YARC booth was a success. The Arts and Culture Commission told us that we definitely would be invited to participate in the Festival next year.

● *November election of Officers:* A person is being sought to fill the Secretary position.

● *Net Control for the Wednesday night YARC Net:* A net control is needed for December.

New Business:

● *Kenwood TS-930S:* Oscar, AB7YR donated a TS-930S transceiver and a PC-1A Phone Patch to the club. Members discussed ways to dispose of this equipment. Joe, AC6AA will establish a reasonable price, put an ad in our Newsletter, which will give members of our club and other clubs in the area an opportunity to purchase the items prior to advertising on the Internet.

● *Club Repeater:* Doug, KB6TWC suggested raising money (\$2400-\$3000) to establish a YARC repeater. After some discussion, it was decided to form a committee to investigate the feasibility of having our own repeater. Doug, KB6TWC, Fred, N7PJN, and Jim, N5RO volunteered.

Announcements:

● *Programs:* Roy, AD7FW is the speaker for tonight's program. Lee Shoblom, K6ADA is scheduled for November. Beyond November, suggestions for speakers are requested.

anchors: Various items were offered for sale by several of the attendees.

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A motion was made by Tom, W2JKG and seconded by Lloyd, WA6ZZJ to adjourn the business portion of the meeting at 2005. The motion carried and there was a break for refreshments.

Drawing: Rose, KE7DTY won \$20.00 in the 50/50 drawing.

Program: Roy, AD7FW spoke on the National Airspace System. The Program ended at 2105.

Respectfully,

Joe, AC6AA
Secretary

Minutes of Board Meeting on October 6, 2005

A Board meeting was held at 1830 on October 6, 2005. Present were John, WB9VGJ; Joe, AC6AA; Dave, K6UWV; Bob, WB7RRQ; Terry, KB7TRE and Jack, W3IVQ.

Election of officers and board members was discussed. Still need secretary position filled.

The board recommended printing 250 copies of our club brochures in black and white versus color.

John read a letter received from the ARRL stating that Y.A.R.C. has been officially designated a Special Service Club, and congratulated us on our successful accomplishments. John's application submitted on Monday, October 3, was expedited and approved through the effort of Mary, W4NZJ ARRL Section Coordinator.

Suggestions for Program speakers were made by Jack and Terry. Lee Shoblom, K6ADA is scheduled for November.

Terry read a letter from Doug, KB6TWC suggesting that YARC have their own repeater. This item will be put on the agenda for the General meeting.

The board approved increasing the size of the club newsletter as needed to accommodate material submitted by members.

The meeting adjourned at 1850.

Respectfully,

Joe, AC6AA
Secretary

Plan to Join the ARRL or Renew Membership ?

Ask our Treasurer for a special ARRL Club Membership Application or download the appropriate application from the YARC Website. Complete the Application and return it to the Treasurer with the application fee.

There is no extra cost to you, and our club gets to retain a portion of the dues.



YARC TREASURER'S REPORT for October 2005

*David Passell, K6UWV
Treasurer*

INCOME

New Members (see applications for additional information)

Kent J. Jewell	AK7KJ	10//06	10/01/05	6149	20.00
Lee Shoblom	K6ADA	10//06	10/01/05	3779	20.00

Renewals (Update Roster)

Jim Blackmore	W6KCF	07//06	10/06/05	cash	20.00
Henry Dye	KE7DTW	10//06		cash	20.00
Joe Oliver	AC6AA	09//06	10/06/05	3313	20.00
Patsy J. Oliver	KE7DUC	09//06	10/01/05	"	
Ken Vinson	WB7RQQ	10//06	10/01/05	283	20.00

ARRL Renewals

none

Other

Special Thanks for Donations from the following members of their reimbursement from the Yavapai County Jeep Posse (paid by \$420.00 check #2023)

Richard Bozeat	KE7DTR	6 hours		60.00
Jack Crabtree	W7JLC	6 hours		60.00
Doug Freeman	KV8TD	6 hours		60.00
Connie Gossage	(application pending)	6 hours		20.00 *
Walter Schumann	KF6SPS	6 hours		60.00
Erica Schiltneck	KI7JZ	12 hours		100.00*

* see purchase of T-shirts, below

50/50 Drawing	40 tickets sold	10/06/05	40.00
Erica Schiltneck	1 T-Shirts	10/06/05	20.50
Carol Gossage	2 T-shirts	10/06/05	41.00
Entered check amt incorrectly in Sept.	#822 20.88 s/b 20.18	10/13/05	.70

Total Income.....\$582.20

EXPENSES

Rose, KE7DTY	50/50 winner	10/06/05	20.00
Insty Print	October Newsletter	10/13/05	827 37.76

Total Expenses.....\$57.76

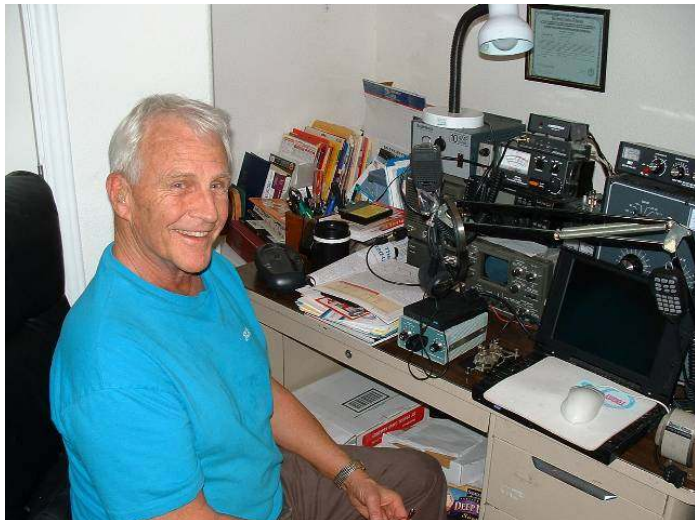
Cash Flow (Income-Expenses).....\$524.44
Deposits 10/13/05 \$561.50

PREVIOUS REPORTED CHECKBOOK BALANCE \$1497.63

CURRENT CHECKBOOK BALANCE \$2022.07

This Month's Featured Ham

By Pat Oliver, KE7DUC



November's interesting Ham of the Month is Jim Clark, N5RO (formerly WB5TMI).

Jim first got his license in 1970 at the encouragement of his son, who was a ham. In 6 months, Jim got his Novice, General, Advanced and Extra licenses. With all this speed, one would think he studied engineering in college, but actually he was in an entirely different field. Jim has a Masters in psychology and worked as a counselor for a time. Unfortunately, psychology didn't pay well, and so he turned to more technical pursuits. He obtained a 1st Class Radiotelephone license and worked part time in a radio station as a broadcast engineer.

He has held a variety of positions over the years, from communications officer in the Marines, to law enforcement officer, and finally to an Electrical Engineer, having passed the Professional Engineer (P.E.) exam in Nevada. Besides EE assignments, he also held several quality engineering and quality management positions.

In the 70's, he chased DX mostly on 20 meters on his mobile rig and from home using CW only. He has worked well over a hundred countries, over 75 countries as mobile, and still belongs to the Texas DX Society. Jim was also very active in Navy Marine Corps MARS during that time.

Jim's most memorable contacts over the years have been with Barry Goldwater and King Hussein, which earned him a certificate from the royal family of Jordan.

He now transmits on 20, 40, 75, and 2 meters, but due to antenna restrictions, he doesn't chase DX now. However, his involvement in Search and Rescue and ARES/RACES activities enabled him to get a waiver for a 2 meter collinear and he has a stealth loop around the perimeter of his roof for HF.

Jim has built a variety of equipment over the years, starting with an amplifier which he designed and built when he was 9 years old, and his first transmitter as a Novice. He now has equipment that includes a Heathkit antenna tuner, Ameritron AL-811A amplifier, ICOM 718, Kenwood station monitor, an ICOM 2100H for 2 meters, and several pieces of test equipment. Mobile equipment includes an ICOM 706 MKII, ICOM 2M rig and various antennas.

Jim would like to see our club's members become more active and would like to see more young people join.

We found Jim to be both a knowledgeable and valuable, active member of our club. ■

Vote

My name is Kenneth Severance; my call sign is WA6AQK. I am introducing myself because I am applying for a position on the Board of Directors for the Yavapai Amateur Radio Club for the Year 2006.

During the past two years as a member of the Yavapai Amateur Radio Club, I have noticed the club has grown into a valuable Service and ARES/RACES Organization. The future looks very good and I foresee many more important decisions will be made next year.

I would like to be given the opportunity to help advance the future of the Yavapai Amateur Radio Club for the year 2006.

Thanks & 73, Ken WA6AQK

November Program Speaker



Lee Shoblom, K6ADA, otherwise known as Smilin' Lee Shoblom will share highlights from his colorful career in broadcasting and other activities.

A Ham operator at age 12, he later worked behind the scenes in commercial broadcasting, became a disc jockey, station manager, chief engineer, and eventually owned radio and TV stations in Arizona, Southern California, and Hawaii.

Lee was inducted into the Arizona Broadcaster's Hall of Fame in 1999. He was Director of the National Association of Broadcasters (NAB) for 2 terms, representing Arizona, Nevada, New Mexico, and Utah.

Currently, Lee is a Board member and immediate past Chairman of Access 13 TV the cable access channel. As Chairman, he has addressed most service and social clubs in Prescott. He also is writing a book on stealth antennas, entitled "Sneaky Antennas".

For more background on this interesting radio veteran, click on <http://tinyurl.com/dul2s>. ■

Call sign Lookup Website

A very good call sign database server may be found at the University of Arkansas at Little Rock's website. It is an award winning server found at:

<http://callsign.ualr.edu/callsign.shtml>.

It is able to find call signs and such with minimal input, e.g., typing in a name or part of a name produces call sign(s).

ARES/RACES



By Lloyd, WA6ZZJ

ARES/RACES

Exercise: Yavapai County ARES/RACES participated in a Statewide Emergency Communications Exercise from the Yavapai County EOC (YCEOC) Radio Room on Saturday, October 14th. Communications was established with the State Emergency Operating Center (SEOC) on 75 meters, 40 meters, 800 Mhz and VHF using the remote base of KB6TWC to access the 146.940 repeater on White Tanks near Phoenix. The majority of the exercise involved Pinal, Pima and Counties to the South, but when exercises like this are held, the SEOC wants as many Counties as possible to operate for at least a few hours to check communications routes available to us.

The YCEOC Radio room was staffed from 0900 until 1300 maintaining communications for the duration. Mary, AB7NK and Lloyd, WA6ZZJ provided the staffing.

Training Meeting: The next quarterly ARES/RACES training meeting will be held in Cottonwood on Saturday, November 5th. The meeting will be held at the Cottonwood Public Safety Building located at the corner of 6th and Aspen Streets in Cottonwood and run from 10:00 a.m. until approximately Noon. Topics covered will be Net Control Operations and Message Handling. These are two topics we try to cover at least once per year as they both are very important.

PUBLIC SERVICE

October was a busy public safety communications event month with the Prescott Road Rally on the 7th and 8th and then The America's Walk for Diabetes (see separate article) and Skyfest 2005 (see separate article) both happening on the 15th. It would be nice to see more of our members getting involved in these events to take some of the load from the familiar faces that seem to show up at almost every public service communications event, with some driving over 100 miles each way to assist. It is not a hard task to perform, good practice for emergency communications and it gets YARC and Amateur Radio in a favorable public view. This helps when the ARRL works to defend our frequencies and to get antenna restrictions lifted. ■

WA6ZZJ

NEW MASTHEAD



Perhaps you have noticed a change in the appearance of this newsletter's masthead or nameplate.

The reason for this new look is that Y.A.R.C. is recognized now as a Special Service Club. As such, our club is entitled to certain benefits. Special Service Club members can identify themselves with the SSC insignia on their QSLs, stationery, newsletters, T-shirts, and other club material.

Special Service Clubs have gone through a process above and beyond the requirements for other affiliated clubs.

Congratulations to all Y.A.R.C. members!



Kenwood TS-930S Transceiver & PC-1A Phone Patch



Kenwood TS-930S Transceiver
With hand mike & Manual
\$395.00



Kenwood PC-1A
Phone Patch
\$25.00

Oscar Green, AB7YR donated this equipment to benefit the Yavapai Amateur Radio Club. Here is an opportunity to purchase a fine radio at a reasonable price.

Call Joe, AC6AA at (928) 771-9277 or e-mail joliver@commspeed.net

V.E. Testing

VE testing will be held for all license classes at the Jeep Posse Bldg at Pioneer Park on Commerce Dr in Prescott on Saturday, November 12th 2005 beginning at 10:00 a.m.

Testing fee is \$14.00 You will need to bring a photo ID as well as a copy and the original of your last CSCE & current ham license.

Due to space & to provide everyone with quiet testing accommodations, the code exam will be given after everyone has finished the written exam.

Any questions? Call Mary, AB7NK at 928 775 -2158

Arizona Skyfest 2005

By Lloyd, WA6ZZJ

The singing of the National Anthem and a Military Jet flyby opened Skyfest 2005 at Love Field in Prescott on Saturday, October 15th. Eleven members of YARC and ARES/RACES were on hand to provide public safety communications for the event. The event was covered by two shifts starting at 0730 and ending at 1500. Operators were used at Net Control and Shadows with 'Safety Director', 'Air Boss', and 'Fire IC'. Two 'Rover' positions were also staffed to roam the East and West exhibit areas to report any problems they may come across. Our communications resulted in two found children being reunited with their 'lost' parents and medical and transportation being supplied to a person having difficulty walking, along with



obtaining answers to some questions asked by the public. We worked closely with Prescott PD, Prescott Fire and Lifeline Ambulance using UHF radios rented by the Skyfest Committee. The shadow operators also communicated on Skyfest radios as well as amateur radio thus freeing up the officials they were shadowing to more effectively do their jobs. The 'Safety' and 'Air Boss' shadows were also instrumental in getting the 'Air Boss' Skyfest radio operational with antenna adapters carried in the 'Safety' shadows go-kit. 'Air Fair Command' was run from the ARES/RACES CommVan parked with Police and Fire command posts.

This was our first year of providing communications for this event and they have already asked us to return next year when the air show is scheduled to be a 2 ½ day event.

A big THANK YOU to the following operators who participated: KD7VBG, KV8TD, KC6ZHG, KE7DTZ, KE7DTW, WB7RRQ, KC7TIL, N5RO, KE7DTY, KI7JZ and WA6ZZJ.



Additional Photos of the Air Show may be seen on the Internet at: <http://tinyurl.com/dorje>



RALLY 2005

By Bob Rosevear, WB7RRQ

The 2005 Prescott Road Rally turned out to be a great success because of all the radio volunteers that participated. I received numerous kudos at the Sunday Breakfast from the organizers, as well as the racing teams. Many commented on our professional organization, net control station, and our smiling faces. The scorer, who has been in rally over twenty years, said this is one of the best radio groups on the west coast.

Next year there will be a national rally with many of the top teams, so please be thinking about volunteering for that event.

Again, many thanks to those that participated and who made this rally a success. This is always a great way to show another aspect of amateur radio at its best. ■



A Slight Rollover



Relaxed Net Control



Service Area at Paulden



Busy Net Control



On The Road

Additional Pictures of the Road Rally can be seen on the Internet at: <http://tinyurl.com/bo9xl>

America's Walk for Diabetes

By John, WB9VGJ



The 2005 America's Walk for Diabetes on the Yavapai-Prescott Reservation was a success. The event went smoothly with no glitches. Once again our services were greatly appreciated with thanks being given to us several times during the day. I'd like to thank all the operators who volunteered to work the event: Jim, W6KCF, who assisted me as net control; Ken, WA6AQK, and daughter Cheryl, KD6FCZ; Dick, W6CCD; Bob, K7CJW; Fred, N7PJN; Frank, WA6JBV.

Jim and I encouraged Prescott Mayor Rowle Simmons to attend an upcoming YARC license class. As he runs an electronic communications company and has several friends who are hams, we told him he should consider getting a license. With the Morse code being his only reason for not wanting to get a license, when he found out you don't need one for UHF/VHF, he indicated he might consider getting a license.



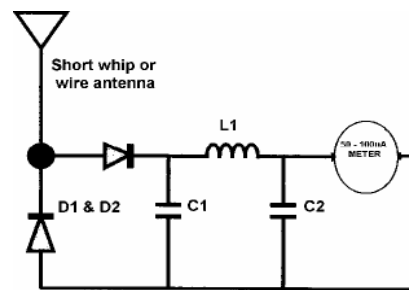
A sniffer for all seasons

By Bruce Randall, W1ZE

One of the easiest pieces of test equipment to build for the Ham shack or work bench is the Field Strength meter. This device can be used to check the field intensity of radiated RF, sniff out leaking RF and as a simple RF indicator.

With a field strength meter you can check antenna performance. Say your HT has a rubber-ducky antenna and you don't think it is all that good compared to other antennas. Set a field strength meter several feet from the HT, key the transceiver and note the meter indication. Without moving the HT, replace the rubber-ducky with a full-size 1/4-wave whip and key again. Most likely you will see a higher meter reading on your FS-meter.

The following circuit is for an effective general purpose field strength meter. All the parts are available at Radio Shack except for the meter movement which you can find at flea markets or take the S-meter out of an old busted Good Buddy CB transceiver-- they tend to be 50 to 100uA movements..



The whole circuit will fit into a small metal or plastic box depending on the size of the meter.

I wanted to use a FS meter to help in quick tuning the screwdriver antenna in my pick-up truck. Tuning my antenna while looking at a meter to see a peak reading, and going 40+ miles per hour down the highway, is not a good thing to do. My little FS meter worked fine, but if I had something that would indicate peak RF radiation without close attention, that would be a plus.

I decided to replace the meter movement with a light emitting diode (LED) and drive it with a simple NPN transistor.

See RF SNIFFER, Page 9

CQ DX de YARC

By Dick Diddams, W7QHE

DATE		DXCC ENTITY	CALL	QSL VIA	REPORTED BY	INFORMATION	MONTHLY HIGHLIGHTS
START	END						
Now to	2005 Nov10	Crete	SV9	WB2GAI Buro	WB2GAI 20050915	By WB2GAI; 80-10m; CW; Force 12 vertical dipoles	<p>ANTARCTIC – R1ANC AND R1ANT R1ANC (Alan) R1ANT (Mike) are QRV on 30 meters around 0600z. The operation is 100 W only. Linears for amateur radio are obviously forbidden due to the high chance of interference with the Antarctic scientific equipment. They are also operating on 20-, 15- and 10-meters. They have signal strength of 579 in the local area.</p> <p>TRISTAN DA CUNHA - ZD9BV ZD9 ranks between 54 and 79 in the <u>100 Most Needed Country</u> depending on the mode of operation. This island, in the South Atlantic Ocean, is the remotest inhabited island in the world. The station is on the air and with patience may be worked. From Chino Valley, they were contacted with 100-watts using the Flag-Pole vertical antenna discussed in earlier issue of the Yavapai Signal!</p> <p>MALYI VYSTOSKIJ – R1MVI Island was destroyed during WW II and is now DX country number 56 on the most needed.</p>
Now to	2005 Nov16	Grenada	J37LR	VE3EBN	VE3EBN 20050929	By VE3EBN; 40-16m; CW SSB PSK31	
Now to	2005 Nov06	Papua New Guinea	P2	G3KHZ Direct	425DXN 20050924	By G3KHZ fm OC-116; 40-10m; CW only; multiband vert	
Now to	2005 Dec01	Tonga	A35BO	HB9FBO Direct	HB9FBO 20050706	By HB9FBO; 80-10m, perhaps 160m; SSB CW PSK31; verticals	
Now to	2005 Nov08	Grenada	J3	Home Call	OPDX 20050905	By SP9PT SP9BQJ as J3/HC; 40-6m, CW SSB RTTY PSK31	
Now to	2005 Nov10	Cambodia	XU7TAS	ON4AJV	OPDX 20050620	By ON4AJV ON6TZ fm Koh Tas Is (AS-133); HF; CW SSB	
2005 Nov01	2005 Nov14	Kyrgyzstan	EX	Home Call	ES1FB 20051009	By ES1FB ES1RA as EX/HC fm Bishkek and Maili Suu	
2005 Nov05	2005 Nov11	Temotu	H40HL	HL1XP	OPDX 20050829	By HL Team fm Nendo Is (OC-100); call sign to be confirmed	
2005 Nov06	2005 Nov20	Central African Rep.	TL	IV3OWC Direct	425DXN 20051008	By IV3OWC; 40-10m; SSB	
2005 Nov17	2005 Nov28	Malyj Vystoskij	R1MVI		OPDX 20051017	By 25 op team; focus on 160 80m for North America and Japan	

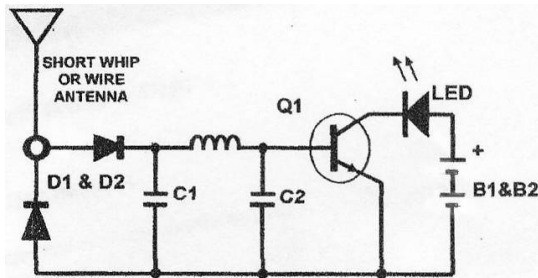
YEMEN – 70. Yemen ranks number 5 in the 100 Most Needed Countries. Ham Radio has never been legalized in Yemen and for the past 20-years not a single license has been issued in Yemen. The Yemen Ministry is interested in promoting the hobby and would like to pass a law making it legal. The attempts to authorize amateur radio-activity in Yemen has gotten bogged down at the Ministry of Interior offices. UA5WHX has been in Yemen discussing with officials about obtaining a license. Vladimir suggests one can help to persuade Yemen to permit amateur radio by writing letters explaining the following: 1) Why amateur radio is good (explain the benefits). 2) Why there is no danger to their country's security. 3) Enclose printed materials about amateur radio. Mail the materials and letter to: Mr. Abdulgader Ibrahim, Director General of Frequency Management Department, Airport Road, Al Jiraf, PO Box 25237, Sana'a, **YEMEN**.

K7C KURE ATOLL. The team went QRT around at 22.00 UTC on 5 October (operations had started at 07.12 UTC on 25 September) after 52,113 QSOs on 160-10 meters (27917 CW, 22334 SSB, 1862 RTTY). The worldwide QSO distribution percentages are Asia 45.4%, North America 32.4%, Europe 17.9%, Oceania 2.2%, South America 1.7%, and Africa 0.4%. The number of unique call signs in the K7C log is 15,507. The dupe rate was 7.4%. No 6m QSOs were logged, although K7C fielded the gear and was ready. (Reported by DX425 News) Note: K7C was heard in Chino Valley on 20-, 17-, 15-, and 12-meters. Depending on the time of day and frequency, signal strengths were 549 to 579. They also were contacted using the Flag Pole antenna as well as a Yagi on 17-meters.

● **RF SNIFFER**

From Page 8

See the following drawing:



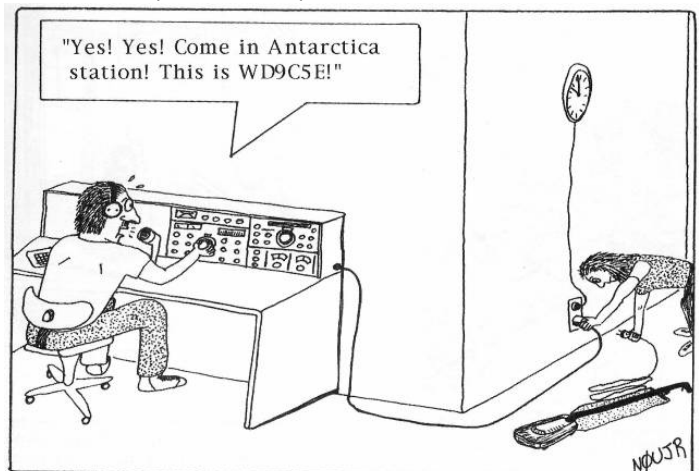
The change was a success and very sensitive. The antenna is just an 18 inch length of wire, enough to sample local RF. In the tune position on my IC-706 I get a brightly Lit LED when I hit max radiation from my screwdriver antenna. It even lights up when I key up on 50,146, or 440 MHz bands.

All the parts for the above RF sniffer are available at Radio Shack, and you can build it in a half hour.

- D1 & D2 = 1N34 signal diodes RS# 276-1123
- C1 & C2 = .01uF ceramic disc caps #272-131
- L1 = 100uH RF choke RS# 273-102
- Q1 = 2N2222 or 2N3 904 NPN transistor
- LED = large red or green for easy viewing
- B1 & B2 = 1.5V AAA batteries and associated battery holder.

Have fun, build one!73, WIZE

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Area Repeaters

Weekly Breakfasts



Tues. & Thurs. Morning Breakfast –7:00 a.m. at Michael’s Restaurant
(In the Safeway Shopping Ctr., Hwy 69 Prescott Valley (N 34°35'13.33" W112°19'44.6"))*
Informal – all are invited.

Wed. Morning Breakfasts: 7:00 a.m.
Iron Horse Restaurant
(S. Hwy 89 in Chino Valley (N 34°43'56.5" W112°27'15.4"))*
Informal – all are invited
8:00 a.m.
Masonic Lodge
(1280 Willow Creek Road, 2nd Floor; above Bank of America)
informal – all are invited

* Location data (per WGS84) provided by Fred Zimmermann, N7PJN

Frequency	PL	Location	Owner/Club	Auto Patch	Rem. Base Or Linked	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM				-500KHz Offset
53.040-	None	Prescott Airport	WB7BYV				-1MHz Offset
146.780-	91.5	Williams Mtn.	BWARC			IRLP	
146.880-	100.0	Prescott	W2YAV/YARC				
146.980-	162.2	Flagstaff	CARC				
147.000+	162.2	Mingus Mtn	MMRG				
147.040+	100.0	Prescott Heights	W2YAV				
147.140+	162.2	Flagstaff/-Mt. Elden	ARA		Linked to Mt. Ord 147.360-		
147.220+	162.2	Mingus Mtn	VVARA				
147.260+	103.5	Mt. Union	ARES/RACES				
442.150+	100.0	Mingus Mtn	W1OQ/Northlink				
442.350+	100.0	Glassford Hill	N7KPU				
448.475-	100.0	Flagstaff-Elden	ARA	Yes			
448.500-	100.0	Prescott	KB6TWC	Yes	RB to White Tank 146.940		E-mail owner for instructions
448.875-	100.0	Flagstaff-Elden	Northlink		Linked		
449.175-	100.0	Towers Mountain	Northlink		Linked		
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn. 927.3875		
927.3875-	151.4	Prescott	WB7BYV	Yes	Yes	Echo	Be Nice

Y.A.R.C. IRLP NODE
146.480 MHz Simplex
123 Hz Access Tone

For more Repeater Information & Listings refer to:

- www.w7ara.org/Web/
- www.azrepeaters.net
- www.azfreqcoord.org/listings.htm

YAVAPAI AMATEUR RADIO CLUB
P.O. BOX 11994
PRESCOTT, AZ 86304

Visit us on the web at <http://www.w7yrc.org>

Many thanks to Bob Smith, WB6ODR, our Webmaster

