

WEST VALLEY AMATEUR RADIO CLUB, INC.

P.O. BOX 1573, SUN CITY, AZ. 85372

SHORT SKIP

SHORT SKIP is a periodical published monthly (every 2 months in summer) by WVARC. Deadline for items is 2nd Saturday of the month. Mail to PO BOX or call Editor Tom Peterson (days) 602-233-3068 - (evenings) 623-872-3013.

VOLUME XXVII NO 6

JUNE/JULY 2000

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Club web page (tnx Chuck W7KIV) <http://home.az.rmci.net/chuckh>
Short Skip Editor Tom Peterson KK7KW: lasergraphic@earthlink.net

CLUB CALENDAR

SATURDAY	JUNE 3	LICENSE EXAMS, De VRY INSTITUTE, PHX, 8 TO 10 AM
MONDAY	JUNE 5	MEETING, ST CLEMENT SOCIAL HALL, SC, 7 PM
SATURDAY	JUNE 10	CLUB BREAKFAST, TIVOLI GARDENS, SC, 8 AM
SATURDAY	JULY 1	LICENSE EXAMS, De VRY INSTITUTE, PHX, 8 TO 10 AM
MONDAY	JULY 3	MEETING, ST CLEMENT SOCIAL HALL, SC, 7 PM
SATURDAY	JULY 8	CLUB BREAKFAST, TIVOLI GARDENS, SC, 8 AM
FRIDAY	NOV 17	LADY'S NIGHT OUT, PALMBROOK COUNTRY CLUB
MONDAYS & FRIDAYS		VACATION NET, 14.240 MHZ, 10:00 AM ARIZONA TIME
WEDNESDAYS		2m HAM NEWSLINE NET, 147.30 MHz, 6:45 PM
THURSDAYS		BRUNCH, COCO'S, 98th Ave. & Bell Rd., 10:00 AM
DAILY		CALL-IN NET, 147.30 MHz, 9 AM

MEMBERSHIP IN WEST VALLEY ARC is open to anyone with an interest in Amateur Radio. One \$10 annual fee includes all family hams at same address; only one Short Skip mailed to each address.

PROGRAM FOR JUNE 5 MEETING:

The June 5th program will be presented by Lance Halle, KW7LH. Lance will discuss VHF doppler direction finding, and transmitter signature analysis.

A proposal to pay for an upgrade of our 2 meter repeater tower/antenna installation prior to this year's monsoon season will be presented to the membership for approval at our next monthly meeting in June. The basic idea is to replace our existing antenna and its support mast with a three section Rohn tower and a Decibels Products DB-224 collinear antenna. This will give us considerably stronger physical support and should provide better coverage on 147.30. The repeater location will remain the same.

CLUB NOTES

FCC License Expirations: W6SQ - Ken Morrison - May 2000
N7PHM - Ron Gulseth - July 2000

Call sign change: Dick Murphy N7DCI, was KC7HLR

PUBLIC SERVICE NOTES

Zone Captains are needed for emergencies & special events. If you can help contact: John Kornbeck, 623- 566-2018
Club "Emergency Communications" magnetic signs for the side of your car are available for \$7 each. Club badges (black on yellow, AZ-shaped) are \$5. See Ray NW7R to order.

NET CONTROL OPERATOR NEEDED

A net control operator is needed for the WVARC Wednesday evening net. If you can help, contact Ron Rasmussen, K6OP - 623-546-5710

HAM RADIO VOLUNTEERS NEEDED AT W7ASC

As many of you know, the Club has done an excellent job in supporting the ham radio station at the Arizona Science Center in downtown Phoenix.

We do have a staffing problem over the summer months. A large number of volunteers are no longer available for various reasons and additional staffing is needed.

The shifts are 9 AM to 1 PM and 1 PM to 5 PM daily.

If you can help, please call Bob Burlison at (480) 961-1109 e-mail KG7QJ@home.com or Ralph Barr at (623) 582-8208 e-mail w0dno@worldnet.att.net.

HAM RADIO LICENSE EXAMS at DeVRY June 3. Register 8 to 10am; no tests will start after 10. Bring photo ID, original and copy of appropriate licenses or CSCEs. Form NCVEC 605 is available at Registration. Fee is \$6.65; please have correct change. For this fee you are entitled to one test in all desired Elements; a second charge is made for a repeat test in any Element.

The VE Team will not accept FCC Forms 610 and 605. Applicants will be given Form NCVEC 605 to fill out at the sessions. Applicant's social security number or FCC license identification number must be supplied.

The new license structure is in effect. Sections 97.501 and 97.503 of the FCC regulations specifies the following examination element standards and operator qualifications:

Element 1: 5 words per minute; Element 2: Tech class – 35 questions 26 minimum correct; Element 3: General class 35 questions 26 minimum correct; Element 4: Extra class 50 questions 37 minimum correct.

Requirements for an operator license are Elements 1,2,3,4 for Extra; for General class, Elements 1,2,3; Technician class Element 2.

On May 6, 78 candidates were examined. License classes earned: 28 Extra, 37 General and 8 technician.

VEs on hand:

Ray Sumner, NW7R
Jack Richards, WA9TV
Edward Beyer, WU7A
Allan Fusler, K17NF
Bob Johnson, KE7LZ
Jack Dow, KE7ZQ

Stan Kieffer, N7QB
Joe Brian, AB7VY
Shelly Newman, AB7LQ
Charles Wallace, WIOSV
Glenn Wade, N7JWF
William Gadbois, KC7JRY

Ken Ehrhardt, KK7NU,
Yoshi Sano, K7YS
Dwight Yard, KB7KON
Sandy Ehrhardt, KK7UY
Edson Campbell, AA7TU,
Rick Tannehill, W7RT.

Rich Piggott, WB2LKU, Session Manager, Liaison

SILENT KEY - ARCHIE HAYES KC7ADY of Sun City West died on May 21 in Del Webb Hospital. An active club member, Archie was a regular check-in on our Daily Call-In Net. We will miss his cheery voice. We extend our sympathy to his wife Jean and their family.

A WORLD WITHOUT WIRES

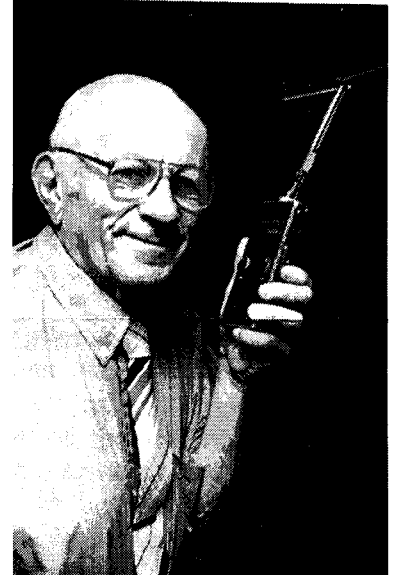
Hams will be interested to know about one of the latest features in 2.4 Ghz ISM-band technology. This is a short-distance, wireless, semiconductor solution developed to establish instantaneous connections to similarly enabled devices. Pioneered by Ericsson in 1994, the system is known as Bluetooth, after the 10th century Viking King Harald Blatand II who united Norway and Denmark. The founding group is now a union of Ericsson, Finland's Nokia, IBM, Intel and Toshiba. It will make existing short-range data, voice and networking connections without wires and cables. The technology could also have application in home devices such as VCR's, DVD players, modems, etc. It's also possible that computers will be linked to the keyboard, monitor, printer and mouse via radio.

LEMELSON-MIT PROGRAM BESTOWS LIFETIME ACHIEVEMENT AWARD TO "FOUNDING FATHER" OF WIRELESS COMMUNICATIONS

*Al Gross Invented Walkie-Talkie, Pager, Cordless Phone -
Shortened WWII With Early Wireless Innovations*

New York, NY, April 27, 2000 -- The man who brought the world such indispensable wireless communications concepts and devices as the walkie-talkie, pager and cordless telephone was today named winner of the sixth annual Lemelson-MIT Lifetime Achievement Award for invention and innovation by the Lemelson-MIT Program. Al Gross is being recognized for his contributions as a true pioneer of miniaturized portable communications devices and for playing a major role in the wireless personal communications revolution.

Gross' first invention was the walkie-talkie, a small hand-held radio with two-way communication features, which he developed in 1938 while still in high school in Cleveland. The device -widely used today by police, firefighters, car service dispatchers and countless others - caught the attention of the Communications Group of the U.S. Office of Strategic Services (OSS), the forerunner of the U.S. Central Intelligence Agency, which promptly recruited Gross, and led to another important invention - a two-way air-to-ground communications system used during World War II.



Al Gross, W8PAL

The system, known as "Joan-Eleanor" and classified "top secret" until 1976, allowed OSS agents in occupied countries and Germany to communicate with high-flying aircraft. The ability to gather intelligence and safely communicate it from behind enemy lines helped expedite an end to the war and saved thousands of lives. The U.S. Joint Chiefs of Staff have called Gross' system one of the most successful wireless intelligence-gathering methods ever employed.

"Growing up, I fell in love with radio technology, but I wanted to take it everywhere with me," says Gross of his innovations. "The significance of my inventions today is the same as it was when I first developed them - mobility. The ability to communicate wherever you happen to be is extremely powerful and enables tremendous freedom. It's what will continue to fuel the worldwide popularity and insatiable demand for wireless devices."

Gross also invented the first wireless pager in 1949. Ubiquitous in today's society, the pager was initially intended for use by doctors. Ironically, Gross first introduced his pager at a medical convention, but it was rejected for fear the beeping device would upset patients and interrupt golf games. In the 1950s, Gross tried, again in vain, to interest US companies in his pager. The Federal Communications Commission (FCC) finally approved the use of the pager in 1960. Today, over 300 million pagers are in use, according to widely published wireless industry statistics.

THE WHITE HOUSE
WASHINGTON

April 25, 2000

Warm greetings to everyone gathered for the awards ceremony of the Lemelson-MIT Program. I am pleased and proud to join you in congratulating Dr. Thomas Fogarty as he receives the year's Lemelson-MIT Prize and in applauding Al Gross as he receives the prestigious Lemelson-MIT Lifetime Achievement Award. The work of these two visionaries and pioneers has revolutionized their respective fields and contributed immeasurably to the quality of life of their fellow citizens.

Much of humankind's progress and achievement over the past century can be attributed to our expanding knowledge and creative application of science and technology. Many of our hopes for a better future also depend upon advances in these two fields. We look forward to the continued growth and prosperity of our economy, the improvement of health care and standards of living, better education and training for America's students and workers, and the expansion of today's revolution in information technology.

I commend this year's honorees and the supporters of the Lemelson-MIT Program for your leadership in this process. Because of your innovative spirit and relentless quest to know and understand, we have learned more about our world and about how to use that knowledge to make it a better place in which to live.

Best wishes for a memorable event.

Bill Clinton

*Copy of a letter from President Bill Clinton that
was read at the New York event.*

The ARRL Audio News (aired on our 2 meter repeater Wednesdays at 1845) has reported on a new movie in which amateur radio plays a significant role. The name of the movie is "Frequency" and it will be released nationally April 28. It will be shown locally at:

Wildwood Palm Valley Cinema
I-10 & Litchfield Road
Goodyear, AZ 85338
(623) 535-4000

Synopsis:

What if you had the chance to travel back in time and change just one event in your life? What would it be? For John Sullivan, there is no question. He would undo the events of October 12, 1969, when the out-of-control Bruxton fire took the life of his father, a heroic firefighter. Ever since he was a kid, John dreamed of being able to stop the tragedy of that fateful day, which set into motion the anger and loneliness that have haunted his adult life as a cop in the 1990s. Now John may get exactly what he has wished for, and more than he bargained for. One day before the anniversary of his father's death, in the midst of the spectacular storm known as the aurora borealis, John Sullivan discovers in the house he inherited his father's old ham radio and begins to play with it. Through the electrical static, he finds himself talking to a man who claims to be a firefighter and who appears to be awaiting the World Series of 1969. Is John really talking to his own living father on the very same day, in the very same house, but exactly three decades ago? At first neither can believe it, but soon John is carrying on an all-night conversation with his young father, sharing for the first time his deep love and regret over his future death. Yet John realizes that now he may be able to change all that. By alerting Frank to the mistake that cost him his life the first time around, John saves his youthful father from dying in the Bruxton fire. On October 12, 1999, John Sullivan discovers that he now has photographs on his walls of his father as a gray-haired man. By changing the past, the Sullivans have forged a new present. John is ecstatic with his new memories of his father- until he discovers other things have been altered. Subtle changes caused by his father's survival have led to a string of unsolved serial homicides, including the grisly murder of John's mother. Now Frank and John must race against the clock-divided by three decades and connected only by a radio-to prevent a murder that will seal their destinies. And each time Frank changes something in his universe, John wakes up to a whole new reality.

CQDX de Frank Smith AH0W OH2LVG

These past few weeks have been a thrill to DXers with two DXpeditions to Bhutan, A52A by a large international group including Phoenix's Vince K5VT and a single-op by Jim Smith VK9NS as A52JS. The team just returned home with over 82000 Q's in the logs and Jim Smith will be there for a few more weeks. A French team is planning to operate from Bhutan next August, so Bhutan will likely soon find its way below the ten most -wanted, leaving the DX crowd starving yet for P5- North Korea.

The next important one will likely be Tromelin Island FR/T by F5NOD Gil and other French operators in early summer. Bill NH6D has just moved back permanently to Midway Island will be QRV for a lengthy time there.

In other DX, look for East Timor by Antonio as 4W6GH and Thor TF1MM/4W6MM. Also look for Joe G3MRC from Ethiopia as ET3AA, Svalbard Island JW (July) with a 30 member team signing JW7M, Market Reef as OJ0VR, OJ0RJ and OJ0/OH1MM, Willis Island VK9W and much more.

Look also for NASA's own Dr. Chuck Brady from Palmyra Island as KH5/N4BQW. Chuck is there as a preliminary to bigger activity from Kingman and Palmyra by a large DXpedition group headed up by NI6T and N4XP.

In the meanwhile, Best 73, GD DX and CU in the pileups!

FOR SALE:

TS-440 (\$600) and TS-940 (\$900) - if interested, call
Bob KE7LZ at 602 978-8350.

For Sale: Alinco DR-610T, 2m / 440 dual band ... 50/30 watt with Ext cable 15 meter and front panel bracket for face plate....In original box, never installed..\$400 or trade for a good dual band HT.
KB7SJQ Jim 623.972.9102 jim.bley@juno.com

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1. two- azdin 5000 mobile,with instruction manual \$150.00
 2. one kenwood HT 3600,with instruction manual \$125.00
 3. one kenwood HT 2500,with instruction manual \$125.00
- Ray Welley 12425 Fieldstone Dr. Sun City West AZ 85375 Ph 623-584-8185