

The July 1999 Meeting...

Where: **SPACE SYSTEMS/LORAL**
Bld 3 Auditorium

When: **Thursday, 1 July 1999**
High Noon

Subject: **To Be Announced**

REPEATER
REPEATER
REPEATER
REPEATER

REPEATER Y2K-COMPLIANT???

This is being written on June 23, 1971! At least that's the date the repeater controller thinks it is. At the last SPARK meeting someone asked if there were a Y2K problem with the repeater. I naively responded, of course NOT. The year is never announced by the machine. Therefore no problem. Wrong! Prompted by discussions with other repeater operators, I checked the controller manual. While the year is never announced on the air, the year is used internally to determine the day and date as well as keep track of leap years. This is particularly important for messages that are programmed to come on during the nth week of the month on a particular day, such as the first Thursday of the month when SPARK meets.

So, some bright repeater operator figured out that the calendar of 1971 is the same as 1999, and 1972 is the same as the year 2000. This apparently tracks leap years for 28 years! Therefore, beware of the year 2027! A similar fix may be needed in that year. File this repeater column in your tickler file to re-ask the question in 2027. But for now, we can all relax, knowing that the repeater is Y2K-compliant.

73 de, Rich, W6APZ, e-mail: w6apz@arrl.net

Read About SPARK on the SSLWeb

The SPARK officers were recently interviewed so that an article on this SS/L sponsored club could be published on the SSLWeb. Go check it out ...

<http://sslweb/intranet/Articles/Artcl1999/6.14.radio.shtml>



SPARK at the SS/L Health Fair

SPARK had a presence at the SS/L Health Fair this year. Our Repeater was demonstrated, flyers handed out and ATV demonstrated around the site -- much to security's dismay! Several people expressed interest in the Klub and in becoming Hams. You will likely see our flyer around -- give them to your co-workers, tell them about SPARK and how easy it is to become a Ham.

BLACK HILLS HAMS HANDLE DOUBLE WHAMMY

Friday, June 4, was not a good day in the Northern Black Hills region of South Dakota. For starters, sometime before noon a critical fiber optic link was severed as a result of a construction mishap. That took out telephone service--including 911 and cellular--for all of two counties and part of a third. The outage also prompted a call for communications assistance to area amateurs from the Red Cross. The City of Lead Emergency Operations Center, home of the Northern Hills Amateur Radio Club's KC0BXH, remained fully activated during the entire 19-hour telephone blackout. Hams handled health and welfare traffic, emergency dispatching and coordination, among other traffic.

"In recent years there has been an over-reliance on hard-wired communication systems and cell phones," Lead's Certified Emergency Manager Jerome Harvey, N0ZBR, told the Black Hills Pioneer newspaper. Area hams, Harvey said, "are the 'go-to' folks when all the latest technology bites the dust."

Tim Eggers of the City of Lead Fire Department said the telephone outage affected all of Lawrence and Pennington counties and part of Meade County.

As if that weren't enough for one day, severe storms led to activation of a SKYWARN net that afternoon. Weather spotters provided quick information about threats to the Lead-Deadwood

area. And, later that same day, a tornado struck the Pine Ridge Indian Reservation-Oglala, disrupting telephone service there for an extended period. The storm left one person dead and many injured, in addition to damaging homes. Hams, under the leadership of ARES volunteer Don Sanders, W0KTL, established a base station at Red Cross headquarters in Pine Ridge and helped to coordinate the Red Cross emergency rescue and response effort.

"Basically, they didn't have much of any communication there at all," Sanders said. Hams accompanied Red Cross workers to visit homes in the sparsely populated area and report to Red Cross Headquarters on what they found. Sanders said two teams of three hams spent two days in Oglala. Some local hams continue to support the effort.

The response team sent by ARES to assist in Oglala, included personnel cross-trained in Amateur Radio communication, severe weather operations, CPR, first aid, and disaster operations. Physician William Schnurr, KI0OZ, reportedly found himself in the middle of trying to provide critical medical care to those injured in Oglala and using his radio skills to attempt to coordinate ambulance response to the disaster area.

Three repeaters owned by the Black Hills Amateur Radio Club, W0BLK, were among those pressed into emergency service for the occasion. All operation took place on VHF.

ARES member Jamie Tollefson, N0PFS, told the Pioneer that heavy rains earlier in the week contributed to the problems for hams involved in emergency response and damage assessment activities following the tornadoes in Oglala. "They had six inches of rain in the last two days, so just getting around is very difficult as much of the damage took place in very rural areas," Tollefson told reporter Scott Randolph. "A lot of the roads are either washed out or barely passable due to the precipitation."

Operating from the Lead EOC, ARES tied information together from around the Northern Hills area mitigating the lack of phone communication. In all, 15 hams participated in the emergency response. ARES personnel logged approximately 190 duty hours--an estimated contribution to the local community of just under \$50,000 in equipment and manpower costs.

"It all kinda came off at one time," Sanders said. "We were pretty busy."

-- From Northern Hills ARC reports and a Black Hills Pioneer article by Scott Randolph, used with permission. Credit to The ARRL Letter and The American Radio Relay League.



The Prez Sez...

No Report

73 de Jack

FREE AMATEUR RADIO TRAINING SOFTWARE:

Download free NuTest and NuMorse software for PC's or Ham Test Hypercard Stacks and Morse Code Trainers for Mac's. Registered copies can generally be purchased inexpensively.

(IBM) <http://www.btinternet.com/~tony.lacy/>

(MAC) <http://www.g0oanint.demon.co.uk/>

Or Log on to:

http://dir.yahoo.com/news_and_media/radio/amateur_and_ham_radio/software

Which Provides links to the following locations for software for Macs and PC's

EasyLog 4.5

GOOAN - collection of Macintosh amateur radio software available.

Ham University - Windows program to help you study for your FCC exams. Includes all five levels, Morse code, and a game.

KB2SFJ Amateur Radio Software - home of HL Suite 2.0.1 for Macintosh. Complete with log, award tracker, world clock, and reference tool.

KC6TEU - information on VHFCONT a VHF logging program with other software and links.

Morse Code - downloadable receive and transmit training software.

NuMorse and NuTest - the former is a Morse code training aid and the latter helps you prepare for the FCC examinations.

Orchid City Software - Moon Talk - Voyageur radio station database

PA3ERP * CTL * Delphi * Tiris - shareware and freeware amateur radio software.

Packet Radio for Windows 95 and NT (PR4Win) - KISS mode packet radio program for Windows 95 and Windows NT.

Scan-AR - software package for control of AOR AR8000 wide range receiver.

Super-Duper (SD) by EI5DI - contest loggers for ARRL, CQ, IOTA and RSGB contests.

Swisslog - One of the most appreciated logbook program among Radio Hams due to high flexibility and lots of available functions. Download for free the demo and last updated country file.

WA6EHL - free amateur radio software.

For the latest news on Amateur Radio, or a source of available books on various Ham Radio subjects, browse through the Amateur Radio Relay League (ARRL) website at:

<http://www.arrl.org/> or, for some ham web site links try:

<http://itre.ncsu.edu/radio/srcsw2.html>

If you want to browse equipment, and books available, try the following:

(ICOM) <http://www.icomamerica.com/>

(HRO) <http://www.hamradio.com/>

(MFJ) <http://www.mfjenterprises.com/index.html>

A Note From the Treasurer

Dues are due, still value priced at US\$10.00. Though I would be most happy to see you at the meetings, you may also send them in to me at:

Rolf Klibo
3825 Fabian Way, MS G-16
Palo Alto, CA 94303

The Klub now has copies of the 1999 Northern California (repeater) Directory, compiled by NARCC, the Northern Amateur Relay Council of California. It also includes Band Plans and a Coordination Policy Manual. These Directories are available for free to all paid up members of SPARK. I can send them through the company mail or you can pick them up at the meetings. Just let me know.

Do you know about, or are operating on:

APRS?
PSK31?

Let me know.

Thanks and 73 de Rolf, N6NFI

ARRL Pacific Division Update

July 1999

by Brad Wyatt, K6WR, Director, Pacific Division, ARRL
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Everyone's Getting Involved in Kid's Day--June 19:-

Does your daughter, son, grandchild, nephew, niece and the kid next door think ham radio is okay for you but not necessarily for them? Did you help get your kids licensed, but they haven't been on the air in ages? Have you ever said that if we don't get more kids into the hobby, it might dwindle to the level of interest in croquet or horseshoes? If so, here's an opportunity for you do something up close and personal for the future of the hobby: ask some young people to spend at least 15 minutes in your ham shack on Kid's Day, June 19, talking to other kids who've been invited to do the same thing. It's easy! It doesn't require much time, and you don't have to learn anything new.

Kid's Day was started by the Boring Amateur Radio Club in Oregon. Club members have asked the ARRL to assist with sponsorship.

During a January running of Kid's Day, more than 400 youngsters took part (see June QST, page 32). It's a fun on-the-air event that's grown tremendously popular in the past few years. The friendly ragchew-type exchange includes name, age, location and favorite color. But, kids can ask whatever questions they think of. If they're shy, and make lots of mistakes, just be patient, and don't correct them. Act as the control op, and make sure you or they ID at the proper time (and be sure to observe third-party traffic restrictions when making DX QSOs). Another possibility is to invite a young person who is already licensed, but doesn't have as fine a station as yours, to assist.

Some of those planning to be Kid's Day participants this year have shared their ideas. Members of the Green River Valley Amateur Radio Society, in Bettendorf, Iowa, plan to set up a station at the Bettendorf Family Museum of Arts & Sciences for Kid's Day. They'll hand out certificates to every local youth who gets on the air. The museum staff is enthusiastic. The museum is involved with a group called Kaleidoscope that produces TV

programs for kids, and they think Kid's Day would be wonderful to tape.

Ham volunteers at Kopernik Observatory, in Vestal, New York, are inviting area youths to visit on Kid's Day, and will operate through the satellites, listening for other youngsters on-the-air.

Worldradio Editor Rick McCusker, WF6O, of Sacramento, California, has printed flyers about Kid's Day and distributed them in his neighborhood. If enough kids respond, he plans to throw a barbecue to feed them when they stop by to make QSOs.

Ric Painter, WO4O, in Tennessee, had a similar notion. He says his two youngsters, Christopher, 14, and Melanie, 12, and one of his neighbor's kids have participated in past Kid's Day events from his station. "I'm planning something that may be bigger and better for the next one," he said in a posting to the DX reflector. Painter teaches a class of fourth grade boys at his church. He plans to invite them all for pizza, soda, and ice cream--plus a chance "to step up to the golden microphone for Kid's Day Radio Party!" "It'll be interesting to see what happens, He said." He's considering the idea of a Kid's Camp Out Radio Party during Field Day.

Jay Chamberlain AE4MK, at the FBI ARA in Quantico, Virginia, will be inviting his kids (ages 11, 14, and 16) to operate K3FBI. He's attempting to gauge interest in inviting other youngsters from the Washington, DC, area. "I know that I have received some great comments, QSL cards and letters from school kids for my two lunch hours operating K3FBI this past February during the School Club Roundup," he says. "I feel like a K3FBI QSO would be hit with the kids operating that day."

The Bottom Line: Set aside anywhere from 15 minutes to six hours on June 19, between 1800 and 2400 UTC, for kids. Suggested event frequencies are 14,270 to 14,300 kHz and 28,350 to 28,400 kHz. For more details about Kid's Day, visit <http://www.jzap.com/k7rat/>.

Thanks, ARRL Web site at <http://www.arrl.org>

Easy Operation Overseas Now a Reality for US Hams

Operating overseas and in certain South American countries just got much easier for US hams. The FCC has implemented the European Conference of Postal and Telecommunications Administrations (CEPT) Recommendation T/R 61-01 that eliminates the need to obtain a special license or permit for US hams wishing to operate for brief visits to most European countries. In addition, the ARRL has begun issuing International Amateur Radio Permits to simplify operation by US hams in certain South American countries.

Earlier this year, the US rendered paperless operation by hams from countries that have a reciprocal operating agreement with this country. Alien operators no longer need to file an FCC Form 610A to operate here. Alien visitors to the US holding an amateur license issued by their home country may operate in the US without submitting any FCC paperwork--provided that a reciprocal operating agreement is in effect between the two countries. The only documentation required is proof of citizenship and an Amateur Radio license issued by the country of citizenship. These arrangements are similar to longstanding arrangements between the US and Canada.

The US State Department applied for US participation in CEPT Recommendation T/R 61-01 in 1997, and the request was approved in principle in early 1998. On June 7, 1999, the FCC put the final pieces of the CEPT arrangement into place by issuing a Public Notice in English, German, and French that spells out the basic information about Amateur Radio operation in CEPT countries. To operate in a CEPT country, US hams only need a copy of the Notice, their original Amateur Radio document, and proof of US citizenship (a US- issued passport or a birth certificate should suffice). The documents must be shown to authorities that ask to see them.

US hams holding any license class but Novice are eligible to operate in CEPT countries. A US citizen with a Technician ticket

may be authorized privileges equivalent to a CEPT Class 2 (i.e., VHF-only) license, while a US citizen holding a higher class license may be authorized CEPT Class 1 (i.e., all amateur and amateur-satellite) privileges.

The authorization is for use of a portable or mobile station only, including stations set up at hotels or a camping site. Authorization is also granted for US hams to operate the stations of permanent licensees in host countries. The use of Amateur Radio aboard an aircraft is not allowed, however.

To identify while overseas, US stations will use their assigned call signs preceded by the CEPT call sign prefix for the country or territory visited. Stations that are mobile or portable must so indicate following the call sign by declaring "portable" or "mobile" on phone or by signing "/P" or "/M" on CW. For example, if W1AW were operating portable in France, it would identify as "F stroke W1AW portable" on phone or as "F/W1AW/P" on CW.

US licensees operating under this agreement overseas cannot request protection against harmful interference. Operators must abide by the provisions of the ITU Radio Regulations as well as CEPT Recommendation T/R 61-01 and the regulations in force in the host country. This means that US operators planning to operate in other countries must become familiar with that country's regulations and frequency allocations, paying special attention to regional differences. For example, the 40-meter band in Europe and the UK only runs from 7.0 to 7.1 MHz.

Participating CEPT countries as of June 7, 1999, include Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France (including Corsica, Guadeloupe, Guiana, Martinique, St. Bartholomew, St. Pierre et Miquelon, St. Martin, and Reunion/Dependencies), Germany, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom (including Great Britain, Northern Ireland, the Channel Islands, and the Isle of Man). For updates, visit the ERO Web site, <http://www.ero.dk> and click on "Implementation," then "Decision/Recommendation," then "T/R-61-01".

The ARRL has begun issuing the International Amateur Radio Permit (IARP) that allows US amateurs to operate from Argentina, Brazil, Peru, Uruguay, and Venezuela without having to obtain a special license (the US and Canada also are CITEL signatories). The IARP is valid in any country that is a signatory to the CITEL Amateur Convention.

Similar to the CEPT license, there are two classes of IARP. The Class 1 IARP--available to Tech Plus and higher class licensees--requires knowledge of Morse code and carries all operating privileges. The Class 2 IARP--equivalent to the US Technician ticket--does not require knowledge of Morse code and carries all privileges above 30 MHz. An IARP is not a license, but it certifies the existence of a license. There's a \$10 application fee to obtain an IARP from the ARRL.

Complete information on CEPT and IARP operation, including an IARP application form and a copy of the FCC Public Notice on CEPT, is available from the International Operating page on ARRLWeb, <http://www.arrl.org/field/regulations/io/>.

The new procedures affect operation only in participating CEPT (European) and CITEL (Central and South American) countries. They do not change the procedures for US hams wishing to operate overseas in countries that are not CEPT participants or CITEL Amateur Convention signatories. Information on operation from these countries also is available on the pages of ARRLWeb at <http://www.arrl.org/field/regulations/io/recipient-country.html>.

Thanks, ARRL Web site at <http://www.arrl.org>.

FCC Amateur Radio Enforcement Log

The following is a representative listing of recent reports on Amateur Radio enforcement from the files of the FCC Compliance and Information Bureau actions concerning operators in the Pacific Division area:

NOTE: Issuance by the FCC of a Warning Notice indicates that the FCC has what it believes to be reliable evidence of possible rules infractions and not necessarily that the recipient has violated FCC rules. The FCC has the authority, pursuant to §97.519(d)(2) of the rules to re-administer any examination element previously administered by a volunteer examiner. This Enforcement Log is representative of recent Warning Notices, Notices of Violation, calls for retesting, and other FCC communications to licensees involving possible serious rules violations. It is not a comprehensive listing.

[UPDATE] OAKLAND, CA: The FCC has dismissed the pending Amateur Radio application of James C. Walker, formerly KF6VAA. In February, the FCC had set aside Walker's Technician class grant in conjunction with the K7IJ repeater shutdown, alleging that Walker had transmitted on the K7IJ repeater before getting his amateur license. In a letter to Walker May 26, FCC Legal Adviser Riley Hollingsworth, K4ZDH, dismissed Walker's still-pending Technician application. Hollingsworth said the Commission had evidence that, despite the setback, Walker had continued to transmit on amateur frequencies using KF6VAA and had been operating on the WA6SEK 145.21 MHz repeater in the Stockton, California, area. Walker was warned May 20 about that operation. Hollingsworth issued a second warning notice for unlicensed radio operation in his May 26 letter. He said that if Walker later reapplies for an amateur license, he would have to attest that he had ceased unlicensed operation. Hollingsworth also said that the FCC wants to resolve issues related to Walker's operation on the K7IJ and WA6SEK repeaters before it entertains another amateur application from Walker. Hollingsworth said that Walker could face criminal prosecution if he operates radio transmitting equipment again without a license. The call sign KF6VAA no longer appears in the FCC database.

[UPDATE] SACRAMENTO, CA: The FCC has suspended the VHF/UHF privileges of Timmy O. Sheen, N6MZA, a Tech Plus licensee, by modifying his license to prohibit operation above 30 MHz. Sheen already has been called in by the FCC for retesting; he has until June 30 to appear or his license will be canceled. In a May 26 letter, Hollingsworth said the FCC had information that Sheen also had been on the WA6SEK 145.21 MHz repeater "broadcasting, playing music and deliberately interfering with repeater operations for several hours." Sheen had been warned in February about similar operation on the K7IJ repeaters, and Hollingsworth said Sheen had been in touch with him to say other stations had interfered with him and to apologize for events leading up to the more recent allegations. "Retaliation cannot be accepted as an excuse for deliberate or malicious interference or broadcasting," Hollingsworth said, adding "this fact has been explained to you in the past." Sheen has 30 days to protest the action.

[UPDATE] STOCKTON, CA: The FCC has modified the license of Technician licensee William B. Gifford, KF6URY, to prohibit VHF/UHF operation for 90 days. The FCC alleges that Gifford was "broadcasting and deliberately interfering" with operations on the WA6SEK 145.21 MHz repeater for several hours. Gifford has 30 days to protest the modification. The FCC earlier requested that Gifford retake his amateur examination under the supervision of the FCC office in San Francisco. He must appear for retesting by June 30 or his license will be cancelled.

Thanks, ARRL Members Only web site.

Update on the Amateur Radio Spectrum Protection Act

It's round two in Congress for the Amateur Radio Spectrum Protection Act. At the request of the ARRL, Rep Michael Bilirakis introduced the 1999 version of the proposed legislation, HR 783, on February 23. As of June 8, the bill had received 66 co-sponsors including Pacific Division Congresswoman Mink (HI - 2), Congressmen Farr (CA - 17), Miller (CA - 7), Campbell (CA - 15) and Abercrombie (HI - 1).[in order of co-sponsorship] The Pacific Section has a clean sweep! Great work in so short a time!

The bill is aimed at ensuring the availability of spectrum to Amateur Radio operators. It would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. Bilirakis, a Florida Republican, also sponsored last year's measure, which attracted upwards of 83 cosponsors on both sides of the aisle. Rep Frank Pallone Jr., a New Jersey Democrat, is the initial cosponsor of the 1999 bill.

ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, says the 1999 bill "is largely the same as last year's HR 3572." The major difference is that the 1999 version adds "Amateur Satellite Service" frequencies to "Amateur Radio Service" in detailing the frequencies that would be afforded protection under the act.

Specifically, HR 783 would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur Satellite Service in the event of a reallocation of primary amateur allocations. It would also require equivalent replacement spectrum in case of any reduction in secondary amateur allocations, or "additional allocations within such bands that would substantially reduce the utility thereof" to amateurs.

Mansfield said it's too soon to predict how HR 783 will fare in the new Congress, but said the fact that it has been introduced so early in the session "bodes well for our prospects." He said that a number of the cosponsors from last year already have indicated an interest in signing on again, "so I think we'll have a lot of support."

A copy of the measure is available via the THOMAS Web site, <http://thomas.loc.gov/>

Thanks, ARRL Bulletin and THOMAS Web site.

Nevada. Announces Amateur Radio Week

Nevada has declared its Amateur Radio Week as the last week in June "in honor of the many volunteers who generously donate their time and equipment to provide invaluable assistance during an emergency situation." Field Day, June 26-27 was also specifically noted.

ARRL E-mail Addresses Are Available to Members

ARRL members can now announce their ARRL membership through their e-mail addresses! Starting February 1, 1999, a new membership service was available for those wishing to have an ARRL e-mail address, and you won't have to switch e-mail services to do it. Not only that, but it will be free-of-charge to League members!

The new, personalized League e-mail addresses will consist of the member's call sign @arrl.net. Electronic mail sent to the address automatically will be forwarded to any e-mail account you choose.

As long as you remain an ARRL member, you'll never have to notify people of an address change - even if you change Internet Service Providers. Members are able to sign up quickly and easily through the ARRL Members Only Web Site. If you are not already registered for the Members Only Web Site, you can do so at <http://www.arrl.org/members/>. Members who are not registered for the Members Only Web Site may also obtain their League addresses, but the procedure is a bit more time consuming. For instructions, send a blank message <http://www.pdarrl.org> - and discovered that some Thanks, ARRL Letter.

John Ronan, K3ZJJ, new Volunteer Counsel in East Bay

I am pleased to announce that John Ronan, K3ZJJ, has been appointed as a Pacific Division Volunteer Counsel in the East Bay Section. Welcome, John, to the Pacific Division team!

ARRL HQ Lobby is being Renovated

For those of you who have visited ARRL HQ in past years, you may recall the lobby with its display cases of early Amateur Radio equipment. The lobby is currently under total renovation to modernize its appearance. Read about this change on the ARRL Members Only WWW site.

Some have asked about the historical radio displays which were in the lobby. All have been saved and catalogued. A few will still be displayed but in a better manner in the renovated lobby.

More on this story as it unfolds including future actions to preserve the "historical culture" as well as the artifacts of Amateur Radio.

Club Officers, - Please Review Your Club Listing Information in the Pacific Division WWW site:-

I have been reviewing the club information in the Pacific Division WWW site recently - <http://www.pdarrl.org> - and discovered that some of the listings do not appear to be current. Will you please help me and the Pacific Division webmasters by reviewing your club information and submitting updating information.

Thanks.

Coming Events

- Livermore Swap Meet - 1st Sunday of each month at Las Positas College in Livermore, 7:00 AM to noon, all year. Talk in 147.045 from the west, 145.35 from the east. Contact Cliff Kibbe, KF6EII, (209) 835-6715, e-mail: larkswap@hotmail.com.

- Foothill Flea Market - 2nd Saturday of each month from March to October at Foothill College, Los Altos Hills, CA.

ARRL Field Day, June 26-27. For complete details, see May QST pages 95 and 96. General contest rules are on the ARRL web site at <http://www.arrl.org/contests/>.

- Amateur Radio Techfest sponsored by the Humboldt ARC - Saturday, July 31 and Sunday, Aug. 1 at the Humboldt County Fair Grounds in Ferndale, CA. Contact: Marci (KE6IAU) at (707) 442-3866, e-mail marcidon@quick.com or Clem, (WA6TVQ) at (707) 445-2336, e-mail clem@humboldt1.com. Talk-in 146.85 (minus), no PL.

- Reno Hamfest - Saturday, July 31, at

International Game Technology, 9295 Prototype Drive, Reno, NV, from 8AM until 4 PM. ARRL VE Test session. For additional information, contact Bill, K7NHP, (775) 246-3756; Rich, N7TR, (775) 677-2943; or Neil, WA7KCD, (775) 972-8373. E mail - macm.yncsmassie@juno.com. Talk in 146.61 (minus) PL 123.

- GEARS 60th Anniversary Hamfest, Saturday, Aug. 7, at Chico State Farm Pavilion, Chico, CA. VE testing. Contact Ray, KO6TW e-mail at rwatkins@csuchico.edu or Muriel, K6GSK, (530) 342-4765. E-mail - k6gsk@w6rhc.org.

ARRL Southwestern Division Convention, Long Beach, CA, Oct. 1 - 3. Contact - Nate Brightman, K6OSC, (562) 427-5123.

- Bakersfield ARA Hamfest (Lake Costerisan), Oct. 8-10. Contact Robert Gerner, KB6JBL, (661) 588-7065, e-mail - w6bar@hotmail.com.- ARRL Pacific Division Convention (PACIFICON99), Concord, CA., Oct. 15 - 17. Contact Dick Brown, KT6X, (925) 676-9048, e-mail - paccon99@pacbell.com.

Hoo's Hoo...



L-R: Bill Jimenez, Jack Nawrocki, Rolf Klibo, Rich Stiebel, Gary Hendra, Dick LeMassena

Officers:

President:	Jack Nawrocki
Vice Pres:	Bill Jiminez
Treasurer:	Rolf Klibo
Secretary:	Open

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Repeater Trustee/Control Operators(Primary):

Repeater Trustee: Rich Stiebel, W6APZ
Control Operators: John Buonocore, KD6ZL, Dan Connell, W6ASD,
Rolf Klibo, N6NFI, Tom Holden, KN6KL; Gregg Schlaman,
WA6ECQ

Repeater Technical Committee:

Committee Chairman: Rich Stiebel, W6APZ
N6NFI - Rolf Klibo and KN6KL - Tom Holden

Other appointed positions

Club historian:	To be announced.
Retiree Representative:	John Gibson, N6OM
Club emergency comm coordinator:	Randy Bassett, N6RUR
Club ARRL Coordinator:	To be announced
Club swap meet coordinator:	To be announced.
Club Project coordinators:	To be announced

For Address Changes, or If Undeliverable, Return to:

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