



Mike And Key



An ARRL Special Services Club

Founded 1914

SARC Calendar

- August
- 12th General Meeting:
Sacramento Blood Bank,
1625 Stockton Blvd.
Sacramento at 7:00 PM.
Informal get-together at
6:30 PM.
- 26th Executive Committee
Meeting: Sacramento Blood
Bank at 7:00 PM.
- September
- 9th General Meeting:
Sacramento Blood Bank,
1625 Stockton Blvd.
Sacramento at 7:00 PM.
Informal get-together at
6:30 PM.
- 30th Executive Committee
Meeting: Sacramento Blood
Bank at 7:00 PM.
- October
- 14th General Meeting:
Sacramento Blood Bank,
1625 Stockton Blvd.
Sacramento at 7:00 PM.
Informal get-together at
6:30 PM.

28th Executive Committee
Meeting: Sacramento Blood
Bank at 7:00 PM.

Field Day 1998 Final Report

By Jim Rich, N6SZQ

The SARC had a successful Field Day at William B. Pond Park along the American River on June 27-28. Two fine articles in last month's Mike and Key described the excitement and color of this year's event. This brief article gives the complete results, including our claimed score, the top bands and top operators.

W6AK Sacramento ARC 3A - SV
Claimed QSO points for 223 phone
QSO's and 5 CW QSO's = 466.

Claimed bonus points for emergency power, media publicity, location in public place, information table, message to Section Manager, W1AW message copied, natural power and one relayed message = 710.
So, total claimed score = 466 + 710 = 1176.

Top bands: 20 meters phone, 104 QSO's; 40 meters phone, 90 QSO's.

Top operators (a phone QSO = 1 point, a CW QSO = 2 points):

Jim Rich, N6SZQ	59
Ed Braaten, K6EKB	48
Carl Crump, WA6VLS	44
Mike McDermott	30
Jim White, WS6K	26

[The above scores exclude duplicate QSO contacts on the same band.]

Plus five other Club members got on the air and contributed to our Field Day total, including Les, WA6EQQ, who helped bring in 210 bonus points with his solar-powered portable packet radio station. Les also copied the W1AW bulletin, for another 100

claimed bonus points. Finally,
thanks to all those who simply
showed up to set up, take down, or
encourage and support us. Good
job.

Our People

1998 SARC OFFICERS

President

Gary Bryant, KB6KZZ
646-1171

Vice-President

Stan Harter, KH6GBX
SK

Secretary

Jim Rich, N6SZQ
361-3542
JWRich9@aol.com

Treasurer

Steve Cates, KC6TEV
391-7341

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W6AK Trustee

Keith Crandall, K6QIF
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PIO

Richard Yeager, KG6GE

489-6334

Newsletter Editor
Tom Preston, KQ6EO
722-9358 KQ6EO@ns.net

PREZ SEZ

By Gary Bryant, KB6KZZ

Dear members:

How time flies when you're having fun, here it is August 1998 already. The club made it through field day with flying colors despite the hot weather conditions, and talk is being conjured up about next year's field day already.

I can't even correctly put into words the awe inspiring looks on member's faces at our last month's field trip to the FAA radar facility near Mather field. I don't think anyone of us knew what we would be seeing after we climbed that straight up ladder to the antenna site. Infact I think it was a minor miracle that we all made it up, and down safely. But it was well worth it too everyone that went. It was a definite team effort. At least for myself I can't remember the last time so many members of the club had such gleaming faces with interest. Yes the field trip was awesome, and we owe a special thank you to Don Holton, KF6NT for making it happen for the club. Enough said, I hope our editor can put some of the pictures that were taken at the site in this newsletter, so those that couldn't make it can share some of the feelings that were generated.

P.s. let's all say a prayer for Keith K6QIF for a speedy recovery, and the will power to get back on his feet full steam in the club.

73 until next month.

KIT KORNER

By Frank Zawalick, WD6DCV

Frank will be back next month.

Personality Profile

By Tom HughesWA6ZYK

Glenn Hartzell, W6WBO

Glenn was born in San Bernardino and raised in Bakersfield where he attended Kern County Union High School. It was at that school where he was first introduced to Amateur Radio when he joined the club named "The High Frequency Club". After studying theory and code, he took his test at Los Angeles in October of 1941.

Before he could get a station on the air, Dec.7 came along. He did receive his operator's license the following Spring but not his station license. Near the end of Glenn's Senior year in High School, the instructor who headed up the "High Frequency Club", finding that Glenn already had enough credits to graduate, got special permission for him to drop out of school for six or seven weeks. During that time, Glenn studied and got his Commercial Radiotelephone License First Class which, at that time, was required for operators at broadcast stations.

He graduated from High School, in June of 1943, on a Friday nite and went to work at KERN on Monday. He says "That career didn't last too long". It turns out that the station wanted a combination Operator/Announcer (Combo Man). While Glenn had the technical ability, he had a problem with announcing and left there after a couple of months.

Again, his High School teacher Forrest Lynn came to his aid and advised him of an opening for a Code and Communications Instructor at Minter Field, a U.S. Army Basic Flying School north of Bakersfield. With further study he qualified for his Commercial Radiotelegraph Operator Second Class license and shipped out with the Merchant Marine for two years.

Most of that duty was spent on Liberty Ships and Victory Ships in the South Pacific and included two around-the-world trips. I told Glenn that I understood that those Liberty Ships had been designed to make only one trip. He commented that "Many of them didn't even make that!" He said they were round bottomed and rolled with every wave.

At the end of the war, he returned to Bakersfield where he was rehired by KERN. That station, along with KMJ Fresno, KBEE Modesto, KOH Reno and KFBK Sacramento were owned by the McClatchy Newspapers. Later Glenn was transferred to KFBK where he worked with Chief Engineers Stam Sronce and Russ Bennett. He retired from there as Assistant Chief Engineer in September of 1987.

In 1949, he was drafted and served one year during the Berlin Air Lift and then released to the Active Reserves..

Glenn, and the former Betty Mandell of Bakersfield, were married in Reno in 1950. They were married on Saturday and on the following Wednesday he received orders to active duty with the Army at Fort Ord and then on to Fort Monmouth, New Jersey for Teletype School and then to Camp Roberts as their teletype maintenance person. He was discharged in October, 1951 and returned to work for KFBK.

Glenn and Betty had two children, Candace and Steven. Candace was Assistant Director of the Sacramento County Boy's Ranch when she was taken ill and died of breast cancer. Steven is on the California State Medical Board charged with the regulation of Physical Therapists.

SARC Continues to Support Blood Banks

Be Jim Rich, N6SZQ

Our club provides operators for the SBC's (Sacramento Blood Center) Amateur Radio station, which provides emergency communications for the SBC. Jim Rich, Jim White, Keith Crandall, Les Ballinger and Carl Jensen are on the SBC radio team. Seven other blood banks of the CBBS (California Blood Bank Society) also have teams of hams supporting them. The SBC serves as the Northern Area Emergency Operations Center for the CBBS, and one of its managers, George Murphy, is Chairman of the CBBS Disaster Response Committee.

In May, Jim Rich gave a short presentation on emergency communications at the CBBS's annual convention. He recently wrote an article for *CBBS Today*, on recent developments in medical-oriented emergency communications in California. George Murphy hopes the increased interest in disaster preparedness and emergency communications will result in more blood banks utilizing teams of Amateur Radio operators. Contact Jim Rich at 361-3542 if you might be interested in supporting your local blood bank.

On the Air

W6AK

146.91 – PL 100

442.80 + PL 100

Sacramento Valley Noon Net
Every day at Noon

On the Net

<http://home.sprynet.com/sprynet/w6ak>

Meetings

General Meetings are the second Wednesday of every month at the Sacramento Blood Bank, 1625 Stockton Blvd. Sacramento. 7:00 PM

Please Join Us

August General Meeting Room

For the general meeting of Wednesday evening, August 12, we will be in the Sierra - Tahoe Room of the Alhambra Annex. This is the building at the corner of Stockton and Alhambra. Do not confuse this with the meeting room in the main building called the Sierra - Tahoe Room. See you there at 7:00 PM.

Meeting Minutes

July General Meeting Minutes
by Tom Preston KQ6EO

The July meeting was a field trip to the FAA radar site at Mather Field. Their was a short business meeting of the board which passed a resolution to match SAEN funds up to \$100.00 for 220 repeater hardware..

July Executive Committee Minutes
By Jim Rich N6SZQ

The SARC Board met on Wednesday, July 29, at the Blood Bank. We discussed Field Day, our visit to Mather Field, our club's insurance coverage, the desirability of a Memorandum of

Understanding with the Sacramento Blood Center, a possible activity at a local hospital, future programs, and a 220 MHz repeater. We also completed our annual filing with the Secretary of State as an incorporated non-profit civic organization.

August Speaker

The August General Meeting speaker will Wally Jukes of Aerojet Fire. He has spoken to the club before and I hear his talks are always very interesting.

September's General Meeting speaker will be Ed Farmer on antenna's

BUY, SELL, or TRADE

Butternut HF6V Vertical Antenna
10, 15, 20, 30, 40, 80 Meters
26 Ft High \$150 OBRO

Cushcraft APR-18
8 Band HF Radial Kit
10, 12, 15, 17, 20, 30, 40 and 80 Meters
New/Unused
\$35 OBRO

HyGain TH6DXX Tri-Band
6 element 20-15-10 Meter Yagi
\$200 OBRO

Santec 144up 2 Meter Handheld

with speaker mic / manual
\$100 OBRO

For more information call
Frank Zawalick, WD6DCV
916-682-1589

Advertising of Ham related items are free to club members. So if you have anything to sell or trade or you are looking for something, get the information to Tom Preston, KQ6EO and I will post it here.

Flooding Primer

By Jim Rich, N6SZQ

(Thought I would run this article this month to remind us that hot, dry weather does have some advantages. Editor.)

Flooding is the #1 weather-related killer in the U.S. At the California Department of Water Resources we realize that deadly floods can strike at any time of year. I have compiled some basic information on the types of floods and the different dangers they pose. The following text is based on information from the National Weather Service, the American Red Cross, and Yavapai County, AZ:

Flooding Takes Many Forms...
Flash flooding occurs within 6 hours of the rain event. Flooding is a longer-term event and may last a week or more. Flash floods are the #1 weather-related killer in the United States.

How do flash floods occur?
Several factors contribute to flash

flooding. The two key elements are rainfall intensity and duration. Topography, soil conditions, and ground cover also play an important role. Flash floods occur within a few minutes or hours of excessive rainfall, or a dam or levee failure. Flash floods can roll boulders, tear out trees, destroy buildings and bridges, and scour out new channels. Rapidly rising water can reach heights of 30 feet or more. Furthermore, flash flood-producing rains can also trigger catastrophic mudslides. You will not always have a warning that these deadly, sudden floods are coming. Most flood deaths are due to flash floods. Most flash flooding is caused by slow-moving thunderstorms, thunderstorms repeatedly moving over the same area, or heavy rains from hurricanes and tropical storms. Most flash flooding in the desert southwest occurs from July through September. Attempting to cross a flooded wash or road can be very dangerous and should be avoided. Even walking through shallow fast moving floodwaters can prove fatal. Dips, bridges, and low areas are particularly prone to flooding and are not always visible at night.

RIVER FLOOD

Flooding along rivers is a natural part of life. Some floods occur seasonally when winter or spring rains, coupled with melting snows, fill river basins with too much water, too quickly. Torrential rains from decaying hurricanes or tropical systems can also produce river flooding.

The Sacramento Amateur Radio Club Founded 1914. An ARRL Special Service Club. **1998 SARC Officers:** President—Gary Bryant, KB6KZZ, 646-1171; Vice President—Stan Harter; Secretary—Jim Rich, N6SZQ, 361-3542; Treasurer—Steve Cates, KC6TEV, 391-7341; **Directors:** Les Ballinger, WA6EQQ, 393-4775; Herb Bennett, KA6VHF, 451-6864; Ed Braaten, K6EKB, 939-1432; Glen Hartzell, W6WBO, 555-5555; Tom Preston, KQ6EO, 722-9358; Jim White, WS6K, 456-9206. W6AK Trustee—Keith Crandall, K6QIF, 452-5056; Mike and Key Editor—Tom Preston, KQ6EO, 722-9358. **Club Dues**—\$16 per year, from January to December (new memberships will be prorated). **The SARC Newsletter, Mile and Key**, is published monthly by and for the membership of the Sacramento Amateur Radio Club. Permission is granted to other amateur radio organizations to reproduce in whole or in part for internal non-profit use, provided credit is given to the SARC Newsletter and to the authors of the reproduced materials. **Articles**—Manuscripts and letters are welcome. Items may be sent to Tom Preston, email at KQ6EO@ns.net, or snail-mail at Editor, Mike and Key, 8425 Arcaro Ct. Citrus Heights, Ca. 95610. **Advertising**—commercial non-personal advertising, business cards through full page, is available. Contact the editor above for information. Classified advertising is free to members of SARC. Submit ads monthly to the Editor at the above addresses.

COASTAL FLOOD

Winds generated from tropical storms and hurricanes or intense offshore low-pressure systems can drive ocean water inland and cause significant flooding. Escape routes can be cut off and blocked by high water. Coastal flooding can also be produced by sea waves called tsunamis, sometimes referred to as tidal waves. These waves are produced by earthquakes or volcanic activity.

URBAN FLOOD

As land is converted from fields or woodlands to roads and parking lots, it loses its ability to absorb rainfall. Urbanization increases runoff 2 to 6 times over what would occur on natural terrain. During periods of urban flooding, streets can become swift moving rivers, while basements can become death traps as they fill with water.

FLASH FLOODING IN ARROYOS / WASHES

An arroyo is a water-carved gully or normally dry creek bed. Arroyos can fill with fast-moving water very quickly. Flash flooding at one arroyo in Arizona took only 58 seconds to develop.

SHEET FLOODING

Sheet flooding is flooding caused by comparatively shallow water flowing over a wide, relatively flat area, which typically does not have the appearance of a well-defined watercourse as described above. Sometimes a defined channel fails to form due to geologic or topographic constraints. Other time's water flows over the banks of a channel with insufficient flood carrying capacity, and the land areas nearby become inundated. Sheet flooding is especially dangerous because it is usually difficult to tell when an area is subject to this type of flooding.

Readers wanting more information on this subject can visit these fine

Web sites:

http://www.huracan.net/info/nws_flood/ and
<http://www.co.yavapai.az.us/floodtyp.htm>

Ham Swaps

River City ARCS Swap – Bella Vista High School in Fair Oaks on Aug. 15, 6:00 AM to 12:00 noon. Talkin 145.25 – PL 162.2

Placerville – 3970B Missouri Flat Rd. #3 Placerville. Every third Sunday, 7:00 AM to 11:00 AM. Talkin 146.865 – PL 142.2 or 440.700 + PL 88.5

Livermore Swap Meet – Las Positas College in Livermore. First Sunday of each month, 7:00 AM – 12:00 noon. Talkin 147.04 (from west) or 145.35 (from east).

Foothill Flea Market – Foothill College in Los Altos Hills. Second Saturday of March through October.

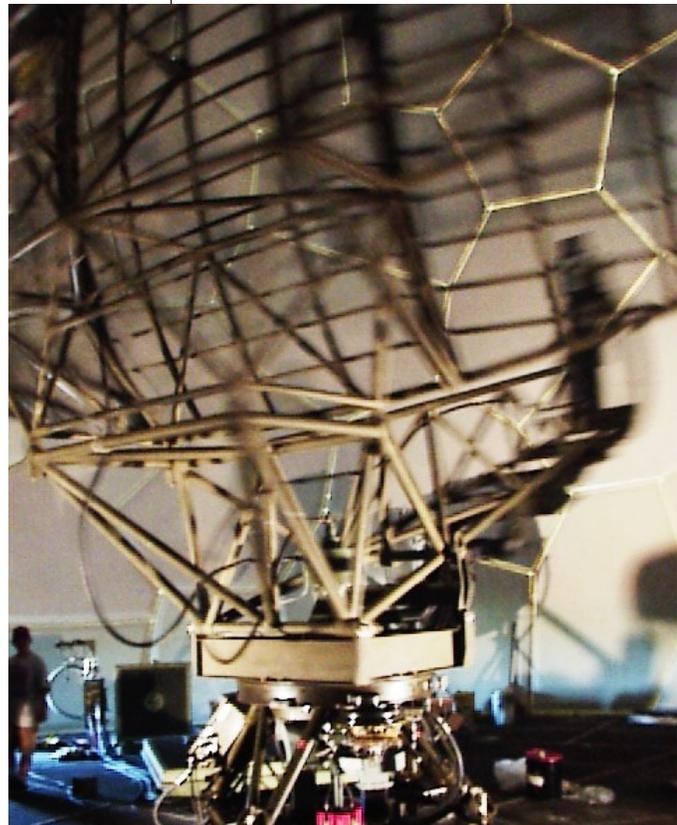
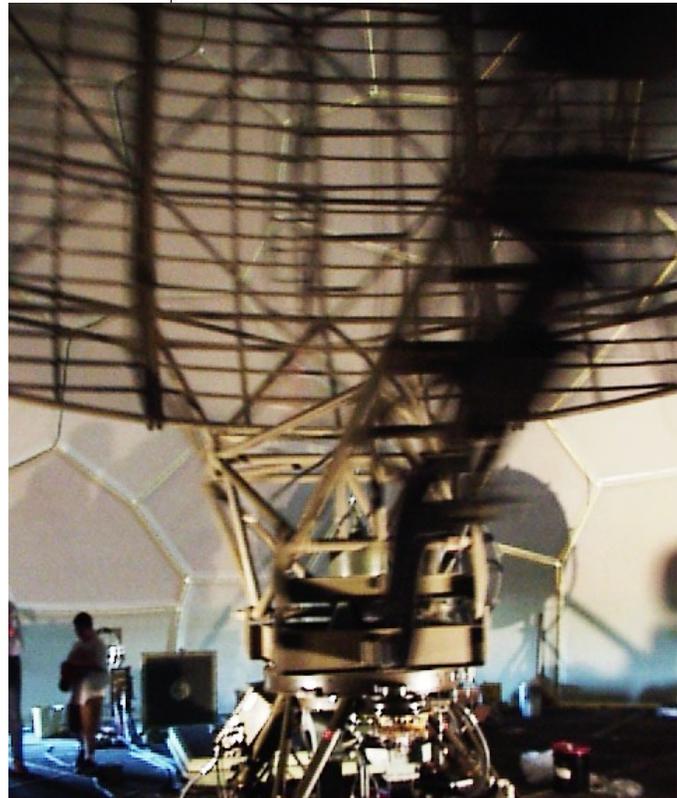
Radar Site Tour





Thanks again to Don Holton for a very interesting tour of the FAA radar site at Mather Field.

All pictures by Gary Bryant, KB6KZZ





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Sacramento Amateur Radio Club

P. O. Box 161903, Sacramento, Ca. 95816-1903

MEMBERSHIP APPLICATION and RENEWAL FORM

Date _____

New Renewal Change of Address

MEMBERSHIP CLASS

General, \$16.00 Associate, \$16.00 Family, \$21.00 Student, \$8.00

Please fill in and circle anything you do not wish to have printed in the SARC Roster.
 Family memberships must reside in the same household.

NAME _____ CALL _____

LICENSE CLASS: N T T+ G A E ARRL Member: Yes No

Family member: NAME _____ CALL _____

LICENSE CLASS: N T T+ G A E ARRL Member: Yes No

Family member: NAME _____ CALL _____

LICENSE CLASS: N T T+ G A E ARRL Member: Yes No

ADDRESS _____

CITY _____ ZIP _____

TELEPHONE (____) _____

E-MAIL ADDRESS _____

Areas of interest, bands and modes used:

Emergency communications capabilities: ACS/RACES or ARES

New memberships in mid-year will be pro-rated.

This form must accompany your check made payable to SARC. Send to SARC at address above.

