Sacramento Amateur Radio Club May 1998

Mike And Key

An ARRL Special Services Club Founded 1914

SARC Calendar

May

13th General Meeting: Sacramento Blood Bank, 1625 Stockton Blvd. Sacramento at 7:00 PM. Informal get-together at 6:30 PM.

27th Executive Committee Meeting: Sacramento Blood Bank at 7:00 PM.

31st North Hills Swap Meet. Bella Vista H.S. 6:00 AM-Noon.

June

10th General Meeting: Sacramento Blood Bank at 7:00 PM. Informal get-together at 6:30 PM.

24th Executive Committee Meeting: Sacramento Blood Bank at 7:00 PM.

27th-28th Field Day

July

8th General Meeting: Sacramento Blood Bank at 7:00 PM. Informal get-together at 6:30 PM.

29th Executive Committee Meeting: Sacramento Blood Bank at 7:00 PM.

STAN HARTER KH6GBX

Club Vice-President and board member

SK

By Tom Preston KQ6EO

It is with great regret that I must announce the passing of Stan Harter KH6GBX. Stan's life was serious emergency communications mixed with a healthy dose of humor. On Page 5 I have put together a few items to give a feel for what Stan was. It consists of a couple of bulletins from OES ACS, a note from a couple of Stans friends in Hawaii, an e-mail from Les Ballinger, WA6EQQ, the last "technical" article Stan had sent me (just hours before he died), and the truth of how your board convinced Stan to accept the position of vice-president

Continued on page 5

MEETING LOCATION CHANGED BACK

Ok folks, we are back to the Blood Bank. The general meeting will be at the Sacramento Blood Bank Henderson Annex. The annex is the continuation of the Bllod bank building. Park in the same lot as always at 1625 Stockton Blvd and we will direct you to the meeting room.

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Personality Profile

Tom Hughes, WA6ZYK

By Tom HughesWA6ZYK

For the benefit of those members of the club whom I have not as yet done a Profile on, a few words now to explain how I go about putting together these things. I select one

Continued on page 4

Our People

1998
SARC OFFICERS

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Gary Bryant, KB6KZZ
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PREZ SEZ

Dear Club Member:

April was not a very good month for the "Sacramento Amateur Radio Club". We had to relocate the meeting place and as most of you know by now our Vice-President Mr. Stan Harder has become a silent key.

As both a member and an officer of the club for many years I'm feeling a great loss both as a friend and a club officer.

I'm also reminded that the club members that knew Stan for as long as I did and others that knew him even longer will miss him greatly. Stan was a great asset to the club, especially his never-ending suggestions on club betterment.

Heaven better look out for how their communication system is working, because if there is a glitch anywhere in the system, Stan will find it. But he will make things work better than ever!

And to Stan's family. The warmest thoughts of sympathy go out to you today. Thoughts that lie to deep within the heart for words to express. Also may it make the loss you fell less difficult to bear, knowing there are many friends who understand and care. We all send you our sympathy that comes straight from our hearts. For one last time Stan "73'SSSSS".

PS Since Mothers Day falls three days before our May meeting, why not have club members invite their mothers to the May meeting, in honor of "Mothers Day".

73's from KB6KZZ
YOUR CLUB PREZ!!!!

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Q: Who killed Snap, Crackle, and Pop ???
A: The Cereal-killer !!

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KIT KORNER

By Frank Zawalick, WD6DCV

Last month I wrote briefly about kit building in general. This month I am writing about the Ramsey Corporation of Victor, New York.

Ramsey is a premier electronic kit manufacturing company. They have been in the business for over 20 years and take pride in there easy and fun to build kits. They adhere to the creed that a kit should not be just a bag of parts and a page or two of poorly produced instructions. Instead a kit should provide a useful and valuable operation, be competitive with wired and tested products in price and performance. Kits should provide education, encourage tinkering and modification with easy assembly by all level of builders. With this type of attitude, a Ramsey kit will provide enjoyment and create the "I did it myself" feeling of satisfaction.

Ramsey line of kits include personal radio broadcasters, miniature FM transmitters, video cameras and transmitters, receivers and converters, hobby kits, amateur radio gear, antennas, mini-kits, test equipment and tools. For this report I will focus on the area of amateur radio gear. The lineup includes VHF/UHF transceivers for 6 and 2 meters, 220 and 440 MHz. For the HF operator a 20M SSB/CW

transceiver and QRP-CW only transmitters/receivers are available for 20, 30, 40 and 80 meters. If more power is needed a 20W, QRP linear amplifier is available. Accessory kits include a sub-audible tone encode/decoder, CW keyer, VHF/UHF preamplifiers, personal auto patch, CW audio filter and the W9GR DSP audio filter. Recent additions to the Ramsey lineup are Yagi antennas for 140-500 Mhz and 902-928 Mhz., dipole antennas for both short-wave listening and HF bands and a "Stealth" antenna for UHF/VHF with power ratings to 75 watts.

With the wide assortment of Ramsey products, there is a kit available to meet the need of a quality and budget conscience amateur. These kits are designed for complete satisfaction at all levels of kit building experience. A friendly staff of technical assistants are eager to assist when difficulties develop. If a person is interested in a Ramsey kit, the assembly manual can be purchased for review, prior to ordering the kit. The price of the manual is fully refundable against future associated kit purchases. It is the exact same manual that comes with the kit. This allows a person to "test the waters" prior to purchase.

For Ramsey products, catalogs, etc. call toll free 1-800-446-2295 or visit the web site at www.ramseyelectronics.com. Their mailing address is Ramsey Electronics, Inc., 793 Canning Parkway, Victor, New York 14564.

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Personality Profile cont.

of the members and give them a call asking permission to do a Profile on them for the Mike & Key. If they are agreeable, I then proceed to record an interview over the phone. Following that I transcribe the info from the tape using Microsoft Word. Following that, I forward the rough draft to that person either by E-mail or Snail mail for their review, modification and/or approval. After it is returned to me I incorporate any changes and forward it to Tom Preston for inclusion in the next Mike & Key. Give it a little thought, as you may be the one I call next.

Through a combination of laziness and work conflicts, I have run too close to publication date to follow the above process this month. In sheer desperation, this one is on me.

I was born in northwest (Rogers) Arkansas just before the big Stock Market crash of 1929 and have always considered myself lucky that I didn't get left on someone's doorstep following the crash! I attended school in Rogers through the Eighth Grade. My father was the Shop Forman for an automobile dealership. Since there were no new cars during WW2, the dealer closed the outlet in Rogers and transferred my father to Eureka Springs where I completed High School.

I completed High School at about the time WW2 ended which put me in competition with the returning Veterans for a job. As a result, I bummed around for a few years doing such things as truck and bus driving and as a RoughNeck on a drilling rig. I had always had an interest in electronics and finally put together enough money, along with a loan from my parents, to go to civilian Radio Broadcast School where I qualified for my Radiotelephone First-Class Operators license and my Amateur General Class W5YZM.

As some of you may remember, following WW2 the FCC put a Postwar Freeze on TV Station licenses while they put together the standards for the further development of Broadcast Television. That "Freeze" was lifted just prior to my completion of the school. In fact, while I was in school, I watched the first TV station (UHF) in Arkansas being built in Little Rock. You might be interested to know that, after that station went "dark", their tower was purchased by KOVR and installed on Mt. Diablo and later on Butte Mt. above Jackson where it still stands.

Following school I went to work for Donrey Media, before it was called that, in Ft. Smith, Arkansas assisting with the construction of the second Arkansas TV station. When that was completed I was transferred to Reno to assist with the construction and operation of what was to be Nevada's first TV station. Unfortunately there was a carpenters strike there and Las

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

Vegas got their Ch.8 on-air before us so we became the second one. We got on-air just in time for the World Series of 1953 from a transmitter site in downtown Reno.

In 1956 I was in charge of building a new transmitter site on Slide Mt. at near 10,000 ft. above the Reno Ski Bowl. At that time, the FCC required an operator to be on duty at the transmitter at all times you were on-air. The operators there worked 3 ½ days on and 3 ½ days off but sometimes the upper terminal of the lift was snowed under when it came time to change shifts. Turbine driven helicopters weren't on-scene yet and 10,000 ft was the maximum altitude for piston-driven engines and then only under optimum weather conditions. It got pretty exciting sometimes. Dr. Church, of the University of Nevada, had told us that he had measured wind gusts at near 200mph on the adjacent Mt. Rose and that he felt we could expect the same on Slide Mt.

By 1960 I had had enough of that and when I heard that the Sacramento TV stations were going to build a Candelabra tower in the Delta, I applied for the job of Transmitter Supervisor for KCRA-TV and was hired. I remained there until 1992 when I accepted an "early-out" and formed my own business Hughes Technology doing projects for various local TV stations.

Somehow throughout all of the above I maintained my membership in the U.S. Naval Reserve Naval Security Group retiring in 1979 as CWO4.

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Meeting Minutes

by Jim Rich N6SZQ

March General Meeting Minutes

President Gary Bryant opened the meeting with the usual round of introductions. There were 26 members and visitors present, including several new hams. Gary introduced guest speaker Don Holton, KF6NT, who works for the FAA at the former Mather AFB. Don talked about radar, navigation and communications. Don has been a ham for more than 20 years. He helped develop a very long range radar for use by NASA that can "see" an aircraft - or the Space Shuttle - at an altitude of 85,000 feet and a range of over 700 miles. Before that he worked with "downward-looking radar", located in high-altitude tethered balloons. These are used to track low-flying aircraft suspected of smuggling drugs into this country. Don now works at one of the FAA's nine long-range radar facilities in California.

Don told of the time a few months ago when about 250 aircraft "disappeared" from the radar screens at Mather for about six minutes. One of those aircraft was Air Force One, taking our President to visit his daughter at Stanford. An investigation revealed that three-suspected drug abusers had entered Mather AFB that night and had stolen a length of cable. They striped the copper from it, and then tried to sell it as scrap on Recycle Road. The police nabbed them instead, and they await trial on federal charges. Security at Mather has been tightened since then. Don explained that other FAA radar facilities were able to track the planes that had disappeared from the radar scopes at Mather. However, because those other radars were further away from their targets, less data about the aircraft showed up on the radar screens of air traffic controllers. For instance, the giant Oakland Air Traffic Control Center uses signals from 11 radars. A computer decides which radar has the best "view" of a plane, and then sends that radar's signal to the controller tracking that aircraft. Don said that most radar now operate at between 1250 and 1350 MHz. And radar-evading "stealth" technology really does work. For instance, the radar at Mather cannot see an F117 stealth fighter until it comes within about seven
Miles. A few years ago, after an F117 crashed in the Tehachippis, the USAF asked the FAA, "Were you guys able to track our fighter that just crashed?" The FAA replied, "What crash?". Don also discussed the "over-the-horizon" radar that the Soviets tried to develop for many years, and which caused interference in the ham bands during the Cold War. He said that despite all that effort, the USSR failed in its attempt to develop such radar. Don concluded by saying that with the advent of GPS, the pilots of airliners over the oceans now have a more accurate idea of where they are than the air traffic controllers do. And our SARC meeting concluded with a White Elephant raffle.

April General Meeting Minutes

Three representatives of the Volunteers in Prevention (VIP) program in the CDF's Amador/El Dorado Ranger Unit gave an interesting and informative presentation to the SARC on the evening of April 8. The meeting began with a round of introductions for the 21 members and visitors who showed up at our temporary location in the Sierra Two Center. [One of those visitors was Rick McKusker, former SARC Board member and the new editor of Worldradio magazine.] Our President, Gary Bryant, then said a few words about the untimely passing of our Vice President, Stan Harter. We passed around and signed a sympathy card for his widow.

Bill Ozment, W6LSW, the lead Amateur Radio operator for the

A/ED Ranger Unit's VIP group began the presentation by noting that thanks to the leadership of the CDF's Bill Smith, the hams in the A/ED Ranger Unit fill more roles than in the CDF's other Units. Bill has used his VIP hams in a law enforcement role in recent years as they have conducted surveillance operations to help catch an arsonist, and gone on high-visibility "Red Flag" patrols to discourage arsonists, and to look for illegal campfires and fireworks.The VIP Amateur Radio operators also serve as radio "shadows" or "IC Aides" for uniformed fire officials in the Unit. They even help out at the Unit's annual Spring Exercise. They can perform these many roles because of their extensive training in subjects such as fire shelter deployment and the use of CDF radios. The Unit's VIP hams also use packet radio to help support the CDF.

Bill then introduced Teri Mizuhara, who coordinates the activities of the Unit's VIP members, including the non-hams. She called the VIP's "godsends" who are "very vital to our Department". There are just not enough uniformed CDF personnel to conduct high hazard patrols, escort members of the news media around forest fires, or man the Fire Information Office during a major event.

Terri then introduced Fire Captain Bill Smith, who talked about some "really effective" arson patrols that the VIP's had participated in. Our own Les, WA6EQQ, was an important part of several of those patrols. Captain Smith said any ham interested in joining their VIP program should talk to Bill Ozment.

After the CDF representatives left we talked about club business. We discussed a possible opportunity to help hospitalized children that Keith, K6QIF, is looking into. We decided to hold Field Day at William B. Pond Park again. And we discussed a summer visit to the FAA radar facility at Mather Field. The meeting concluded with a White Elephant raffle.

April Board Meeting Minutes

On Wednesday evening, April 29, the SARC Board met at Keith's house. We discussed speakers for upcoming meetings, the W6AK repeater, and Field Day. We began planning a visit to the FAA facility at Mather Field. We discussed the Blood Bank's radio room and antennas, and our temporary new meeting room in the Bank's annex. Ed Braaten K6EKB gave a short talk about the SARC Web page he has created. The meeting concluded with the election of Ed to fill a vacancy on the Board

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How IC's Work

From Les Ballinger
By unknown author

As I was working on a solid state device the other day the realization of a basic truth came over me. It was so simple! So obvious! Why didn't I see it before. I discovered how IC's work. Smoke is the thing that makes Integrated Circuit's work, because every time you let the smoke out on an IC, it stops working. Of course! Smoke makes all things electrical work. Remember the last time smoke escaped from your voltage regulator? Didn't it quit working? I sat and smiled like an idiot as more of the truth dawned. It's the wiring harness that carries the smoke from one device to another, and when the harness springs a leak, it lets the smoke out of everything at once, and then nothing works. The starter motor requires large quantities of smoke to operate properly and that's why the wire going to it is so large. If improvements in wiring are to be achieved, we are going to have to find a way to keep smoke from leaking much the same as we do for air in tires.

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Stan Harter cont.

OES ACS Bulletins

It is with a sense of deep loss that we announce the death of Stanly E. Harter. To Stan the emergency programs for which he was responsible (EAS and ACS) were his life - quite literally. On April 2, l998 at 10 PM at State OES Stan send me an Email from the office. Sometime afterwards he left the office for a ten-minute drive home. Later he was found in the state vehicle in front of his home. The report said he died at 10:30 from a massive heart attack.

Stan's whole life has been one of being involved with one or another type of emergency program. He worked for the California Department of Forestry right out of college, and was active in its Volunteers in Prevention program on passing. On April 2nd he'd described how he was looking forward to an upcoming CDF VIP event. On weekends during the fire season we would discover he'd gone on a "red flag" patrol with other volunteers in that program. His career included a period as a popular radio station DJ. His surprising talent for vocal impressions is recalled decades later. He had a well-modulated voice that was superb for on-the-air purposes and could present a bulletin with a talent few possess. Early in his career he became active in the Civil Air Patrol and flew many missions. On passing he was as still involved with CAP communications. He held the rank of Lt. Col. The State of Hawaii was the recipient of his talents for twenty years as the State Communications Officer. It is from his own experiences on Tsunamis

that a two-part series of EMCOMM Bulletins will be published as a memorial to Stan. After working for Hawaii, he returned to California to work for the Kern County government until enticed away by the Director of The State office of Emergency Services. In l985 Stan was employed by State OES in response to a legislative directive to develop (a) an emergency broadcast system which became the Emergency Alert System; and (2) an emergency communications service program which became the Auxiliary Communications Service. Shortly Stan instituted an educational program based on weekly informational bulletins addressed to emergency communications units with particular focus on the Radio Amateur Civil Emergency Services (RACES). Those bulletins came to be called the RACES bulletins. Even today it is possible to find the entire series filed on Bulletin Board Systems around the US, Canada, and other English speaking countries. In the Mid l990's he expanded the program to the present weekly EMCOMM Bulletins and included the RACES in an expanded Auxiliary Communications Service (ACS).

Stan was born in San Francisco and educated in criminology and electronics. His experiences included emergency management, broadcast journalism, law enforcement, fire suppression, consulting, search and rescue and frequency coordination and public safety communications. Stan was Assistant Director of Civil Defense and chief of Hawaii State government telecommunications from l962-1982. From l982-85 he worked in Kern County, CA. In l985 he became the California State OES coordinator for the Auxiliary Communications Service and the EAS programs. Stan consulted nationwide to assist governments in creating, managing and utilizing emergency communications units using the FCC Amateur Radio Service licensee and others. He was active in the Civil Air Patrol since l951. Stan passed beyond the veil of this physical world April 2, l998 after leaving the office in a state van at 10 PM. He was parking the van in front of his home in Sacramento when he had a massive heart attack. Stan was a dedicated believer in the volunteers who serve our fellow humans in whatever capacity they may do so. Many felt the brush of his ideas, interest, humor and beliefs. We are saddened at his going, but through those of us whose lives he touched, his endeavors live on. Farewell Stan. We remember you well.
From: Auxiliary Communications Service (ACS) of the California Governor's Office of Emergency Services

A Tsunami True Event ----
Dedicated to the life and work of Stanley Harder who passed beyond the veil April 2, l998 in Sacramento, CA
This is from his life while at Hawaii ----
"It was around 7 a.m. in Hawaii on a Saturday morning when the telephone call jingled me awake. The call was from Clifford Alameda at Hawaiian Airlines. He said a tsunami warning had been issued for all Hawaiian Islands, because of a massive submarine earthquake offshore Alaska. Cliff and I were members of the Hawaii Wing Civil Air Patrol (CAP) communications section. All of the populated islands are equipped with outdoor civil defense warning sirens. The county policy is to sound the sirens two hours before the estimated time of arrival of the series of waves. Cliff suggested I use the CAP radio to call the Hanalei Squadron on Kauai as they meet at the community center on Saturday mornings. He said that Captain Per Kai Davis and his CAP Squadron cadets were probably aware of the warning, but it would be a good idea to double check. I turned on my HF radio and began calling the Hanalei Squadron. I called time after time without reply. That was a good sign, I thought. It meant that they had all safely fled the valley. Hanalei Bay was the site of the movie "South Pacific." History had proven that the bay acts as a funnel for tsunamis, forcing the ocean to rise up to a hundred feet as it bores into the valley. Hanalei had a population of 300 and cultivated their taro patches. I was about to make my final radio call when I heard a carrier come on the air and a girl's voice reply to me. The cadet's voice reflected her unfamiliarity and apprehension with the two-way radio. When she said "Over", the carrier remained on the air. "Oh, God," I thought, "she doesn't know that the transmit toggle switch isn't spring loaded. She would have to remember that. "Please remember!" I mentally pleaded. While the transmitter was on she could receive nothing. Finally, after what seemed an eternity, the carrier dropped." Be sure and turn off the transmitter after you say 'over'," I said. "I am calling because there is a tsunami warning. The ETA on Kauai is less than an hour. Are you aware of this? Has the civil defense siren sounded? Over." "No. No." she repeated softly, "We don't know anything about that. Captain Davis is not here right now, and the other cadets are outside practicing for the drill team competition. Over." "Please warn everyone to get out. Now! The ETA is about 50 minutes. Just get out! Now!. This is Firebrand 19 over and out!" I put as much urgency as I could muster for that soft-spoken Hawaiian girl.
The rest was history. The girl and another young man/cadet jumped into the red light and siren-equipped CAP Jeep and raced up and down the small valley community warning everyone to get out immediately. "Tsunami

coming! Tsunami coming! Hele on, hele on! Wiki wiki!" Everyone got out of the valley to safety -- just in the nick of time. What had happened? Why was there no other warning? It was subsequently learned that a bread or milk truck driving north from Lihue towards Hanalei a little before 4 a.m. skidded off the slick pavement into a telephone pole. The accident severed all telephone lines north, including the siren control pairs. When the telephone outage was discovered, a police officer sped 35 miles to Hanalei. The tsunami slammed into Hanalei while the officer was still six miles away. He found all the residents safe at what is now the site of the Princeville resort. Two days later I stood with Kauai C.D. Administrator Manuel Medeiros at the Hanalei lookout, 90 feet above the ocean. We stared at the evidence of the waterline 30 feet _above_ us on the bank. Nothing remained in Hanalei. The bridge was gone. From the CAP reconnaissance plane, we saw destroyed coconut plantations, concrete slabs, perhaps a few bathtubs, but mostly just pipes rising out of the concrete. The people of Hanalei valley were saved by two-way radio and two teenage CAP cadets who knew what to do. They were later honored at a Congressional banquet in Washington, D.C."
End of a true experience from the life of Stanly Harter.

From Les Ballinger, WA6EQQ
In Memoriam
Stanly Easton Harter KH6GBX
May 3, 1929 - April 2, 1998
Stanly Easton Harter KH6GBX, Assistant Chief, Telecommunications Unit, Information Technology Branch of the Governor's Office of Emergency Services, died suddenly Thursday April 2, 1998 near his Sacramento, California home. He was 68 years old. Stan was an assistant director of the state civil division (communications and warning officer) and the chief of telecommunications for the State of Hawaii from 1962 -1982. From 1982 - 1985, he was Communications Coordinator for the City of Bakersfield and the County of Kern. In 1985, he accepted a position with the Governor's Office of Emergency Services as its RACES Coordinator. He was a life member of APCO, having been the first individual to be President of three Chapters; Vice Chairman and Executive Director of the Federal Communications Commission's California State Emergency Communications Committee, and was a Lieutenant Colonel in the Civil Air Patrol. Stan was the voice of the Emergency Alert System, and of its former self, the Emergency Broadcast System. Although he was stricken by polio in his youth, he refused to let his disability slow him down. He frequently could get around faster on crutches than most people could walk. Stan was loved and respected by a great many people in the emergency community. In his life, serving the needs of his community had always been his primary vocation, as he became a Reserve Police Officer, wildland firefighter, fire lookout instructor, Communications Unit Leader, Logistics Chief, Fire Information Officer and guest lecturer. He was a professional broadcaster, news anchor, and broadcast engineer. Stan always had a good story to tell, and was usually in the middle of a well told story. He will leave a tremendous void in the hearts of everyone who knew him; he will be deeply missed. In addition to his wife Alicia, son Mitchell and daughter Annette, Stan
also leaves behind his alter ego, Delmar U. Davis, P H and D.
Check back frequently; we will inform you as soon as we have better information. Aloha, Stan.
Mahalo. [From the State OES ACS Web site]

From: Herb and JoAnn Hardin

JoAnn (my wife) and I were looking forward to reading Stan's memoirs - he had sent us a couple excerpts and one was really poignant...about the old family homestead in Tuolome Meadows area, Yosemite. Wish he had finished his book. When I first met Stan, he had (then) recently formed a business here with 2 other guys, Dave Young and George Osborne. A tech who worked for them was Len Freitas. All were in CAP/USAF in Hi. Wing Hqtrs. Communications Section. George had a very colorful past in the spook business; Dave had been a top tech Mgr. at RCA and Freitas one of his employees; Dave was also a Reserve Police Officer; Stan also worked at KUMU radio part time. (maybe that was later, not sure). Stan handled the sales end, George the business end, Dave the tech end. All were adept in electronics. But for the life of me, I can't remember the name of their business. I could show you the building where it was located, but not the name. Something "electronics". Len became one of the original members of the "Public Safety & Rescue Squad" which Stan and Dave Young originated in a liaison with the Honolulu Fire Department. It started out as a communications function and "wallet watch"; we'd respond to where the HFD Rescue apparatus was and free up a firefighter to physically go on the rescue while we handled communications and "watched the wallets" (protected the truck and contents). After they got to trust us, we became part of the actual rescue operation. I was a mountain climber (from Wash. State) and Len became nicknamed "Spider" - because he'd climb most anything like he had 8 legs. I was also a pilot and flew aerial SAR.

Ultimately that group became Aloha State SAR Squadron - a combined ground/shoreline/air search & rescue group. That Sqdn. led the U.S., among all CAP units, in numbers of rescues performed and number of lives saved for two years in a row - 1969 and 70. Stan was the Director of Emergency Services in the Hawaii Wing. I was the Sqnd. Cmdr. of Aloha SAR. It all started with Stan, assisted by Dave and George and a few of us who were originally in CAP Communications at Hi. Wing Hqtrs. There's a lot of water over that dam. A lot of rescue missions together. While Stan could not climb, he was an excellent Observer. (You may have had your seat belt tightly buckled in the Blazer, but he's had his tight on some air SAR's we've been on - so he's been on that end, too). He was also the "On-Scene" Commander for a lot of ground missions and overall Mission Coordinator (boss) on hundreds of cases. I was at my best in the field - climbing or flying, and did not really care for the Admin work, even though I was the founding Cmdr. of Aloha State SAR Sqdn and later the Wing Dir. of Em. Serv. and had to do the paper work. Stan set the format and standard for both the philosophy of volunteerism in CAP (and in other E.S. related organizations) and in operational tactics as well. It was his idea to use electronic sirens and P/A systems mounted on CAP aircraft for Tsunami Warning missions. He set it up and I flew the first demo for Police and Fire and CD, over Sandy Beach, Oahu. They were ecstatic with the potential and CAP became the prime, Statewide aerial warning system for the remote areas and beaches when a Tsunami was on the way. He and I wrote the first SOP's for how to do it. Stan, professionally with C.D. Commo, was also a major mover of the Statewide Emergency Medical Services backbone link so that physicians and EMT's could talk to key trauma centers on Oahu from any place in the State - not an easy job with mountains up to 13,000+ foot high in the way and 250 miles of ocean to span. Yeah, a lot of water over the dam, under the wings and around the radios. Stan changed our community - for the better.

Technical Training Item
IT'S A DOG's LIFE
- Submitted by K. Stevens

It's common practice in England to ring a telephone by sending extra voltage across one side of the two-wire circuit and ground (earth in England). When the subscriber answers the phone, it switches to the two-wire circuit for the conversation. This method allows two parties on the same line to be signaled without disturbing each other. Anyway, an elderly lady with several pets called to say that her telephone failed to ring when her friends called; and that on the few occasions when it did ring her dog always barked first. The telephone repairman proceeded to the scene, curious to see this psychic dog. He climbed a nearby telephone pole, hooked in his test set, and dialed the subscriber's house. The phone didn't ring. He tried again. The dog barked loudly, followed by a ringing telephone. Climbing down from the pole, the telephone repairman found:
a. The dog was tied to the telephone system's ground post via an iron chain and collar..
b. The dog was receiving 90 volts of signaling current.
c. After several such jolts, the dog would start barking and urinating on the ground..
d. The wet ground now completed the circuit and the phone would ring..
Which shows you that some problems can be fixed by just "pissing " on them. But only temporarily..

And last but not least how Stan volunteered to fill the position of vice-president.

At the last board meeting before Stan's passing we were still without a vice-president. As the meeting wound down at the end Stan was sitting in a very comfortable chair and nodded off. Someone noticed and pointed it out to the board. Within a minute Stan's appointment to the position was moved and seconded. He didn't object. He awoke to a LOUD and unanimous aye to find himself our new vice-president.

Goodbye Stan, We will miss you greatly.

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May Speaker

The may speaker will be Michael L. Heindl, KN6PC. His talk will be on RFI and Antenna's. It promises to most interesting, so come on by and learn that tidbit that will solve that nasty problem that will crop up someday.

Coming up in the near future will be a talk on NVIS antenna's and the tour of the FAA radar facility at Mather Field.

Oh, and don't forget. Field Day is next month.

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Fellow club members:
Please welcome Robert Browning, KE6YHQ, to the SARC. He looks forward to helping us on Field Day.

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POINTS TO PONDER
Life is sexually transmitted.
Kids in the back seat cause accidents; accidents in the back seat cause kids.

Two wrongs don't make a right, but two Wrights made an airplane.

The problem with the gene pool is that there is no lifeguard.

It's hard to make a comeback when you haven't been anywhere.

Living on Earth is expensive, but it does include a free trip around the sun.

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 (____) _____

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.