



KVHS Photo Memories

From Boss Wilson's Archives

Some of the following photos have been copied from 30-year-old color slides, some of which were smoke damaged. Others were copied from yearbook, newspaper articles and black and white photos.

The station's original frequency was 91.1MHz as seen on the program guide cover. It was changed to 90.5 MHz when power and antenna height changed. This was to avoid interference with other educational stations as far away as Chico.

The following are photos of the 100-foot tower installation on the music building. A local crane company donated their time and equipment to do the job.







The crane company offered to erect the tower when they had free time. Early one Saturday morning they called. They would do it that day!

The station's technical staff readily responded to the call to duty.

The antennae had been previously installed on the tower. This was to avoid a difficult climb later on.

Some of those present were John Roskelley, John Tiberend, Chuck Mikesell, Gary Gundershaug, Harold Nelson, and "Boss" Wilson.

On the previous page you'll see some of the tech crew are wearing their KVHS jackets.

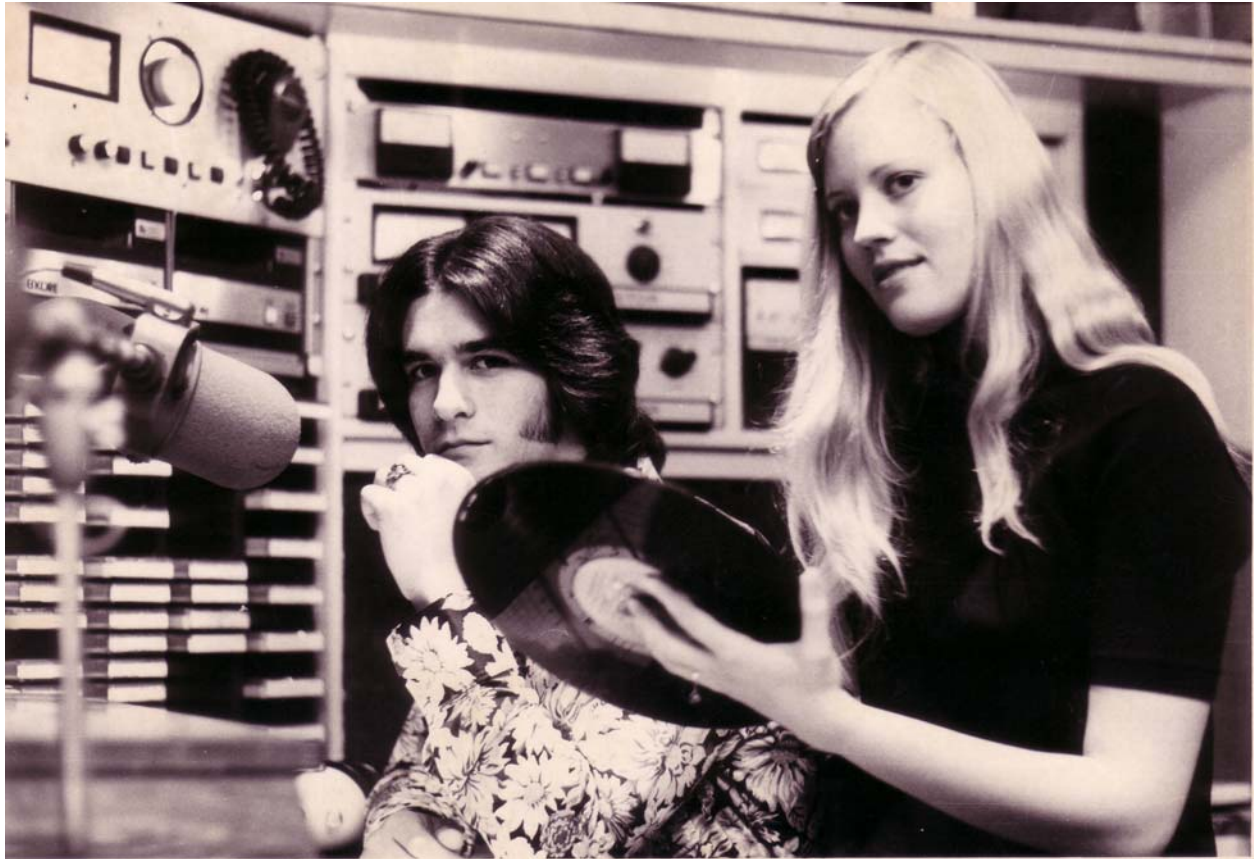


Above: Mark Revis at work, basking in the warm glow of the KVHS studio. (1975)

**Left: Charlie Freeman
Youngest student to earn an
FCC First Class
Radiotelephone License**

**Also designer and builder of
the station's first digital
telemetry and remote
control unit.**

Broadcast equipment manufacturers donated the Belar stereo modulation and frequency monitors and the Mosley studio transmitter links. The "Cartridge" machines came from San Francisco radio stations. The wood shop built the cabinets. The electronics class built the console. Turntables and reel-reel tape machines came from Vocational Ed funds.



Ron Mungo and Ann Hardy pose for the camera. (1975)

These were the days before computers, hard drive storage, cell phones, MP3 and Ipods.

Promo's, jingles and some station ID's were recorded on continuous loop tapes in cartridges. Vinyl records revolving at 33 or 45 rpm on a turntable, or Iron oxide coated Mylar tape held the music of the day. "Cueing" was required to select the desired track the operator wished to play.

Hundreds of 33 and 45 rpm records were received free from record distributors. The catch, many had to be picked up at the distributors office. Some programming staff, therefore, were given school permission to periodically go to San Francisco in their own vehicles.



Reflections: Larry Reasoner at the controls and Skip Sayre on the mic.

The studio is located in an unused dressing room in the music building. The dressing room mirror had not yet been removed which allowed this reflective photo.

The station was not yet in stereo operation as can be seen by a single VU meter on the console. The 250-Watt transmitter can be seen against the back wall. The monaural modulation and frequency monitor occupies an upper space in the transmitter cabinet. Connection to the antenna was by 50-Ohm Heliax cable up through the ceiling.



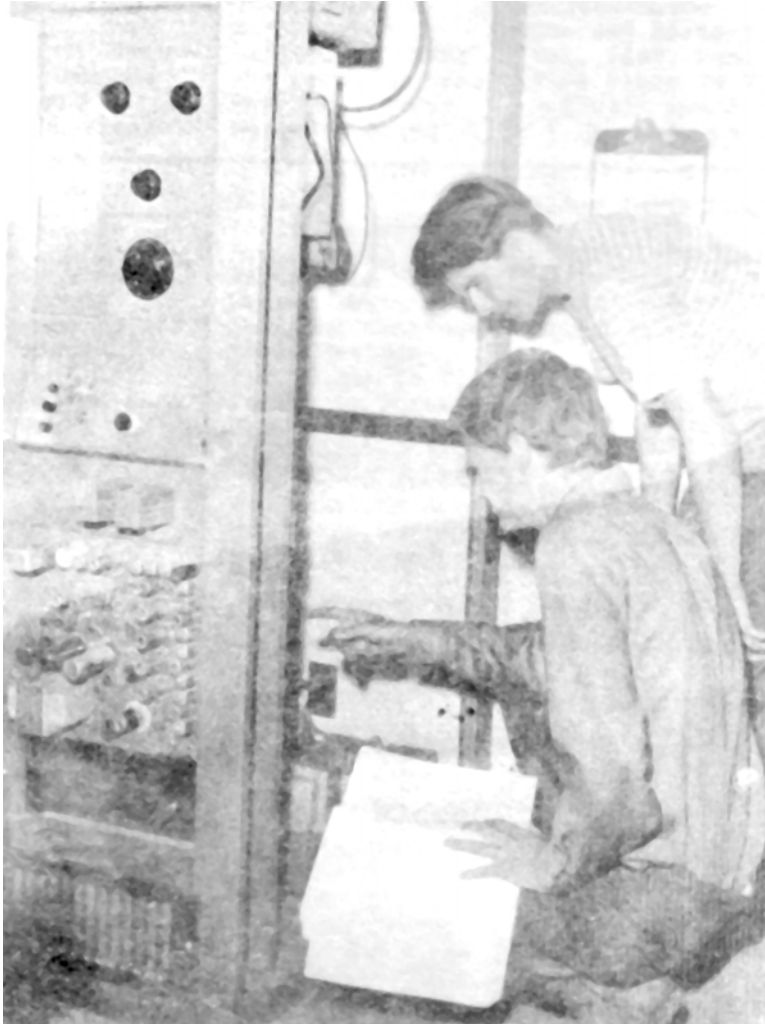
The electronics class, using the technology of the day, built this stereo console.

This console had 10 stereo channel inputs. Each channel could be selected for “Audition”, “Monitor” or “Broadcast” with the yellow, green and red push buttons. Langevin attenuators controlled volume levels, a leading manufacturer of broadcast controls.

The panel was formed by the school’s metal shop and hand polished by the electronics class. The wood shop produced the wood cabinet. Broadcast students, however, made the underlying table.

This console contained all solid-state amplifier circuitry including 10W monitor modules. The power supply was located separately, the rack panel under the table, to avoid AC hum.

The backside of the console had an easel. This sloped panel was used to support scripts and Associated Press copy for the news commentator.



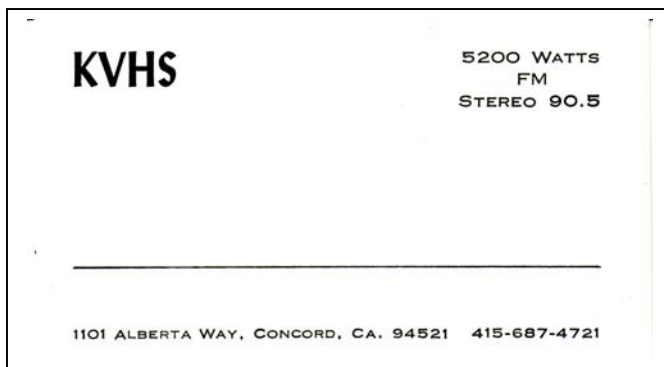
The first transmitter was the 10-Watt exciter section of an old Gates 250 Watt unit. It's the panel with all the tubes.

A tube called a "Phasitron" provided phase modulation. The tube was no longer being made but fortunately KYA-TV in San Francisco had several, which they donated to KVHS.

The whole 250 Watts were used in a later upgrade in power.

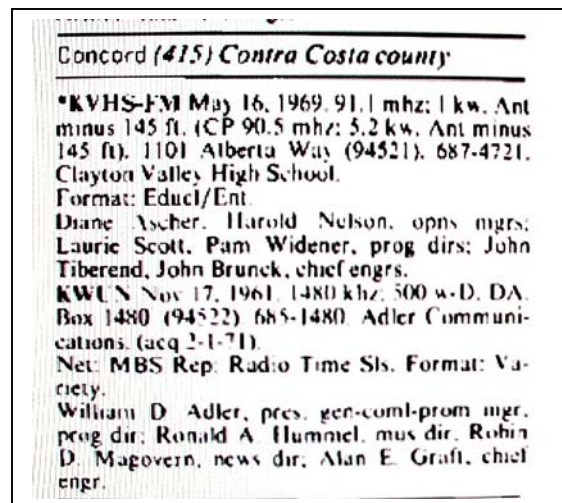
The exciter was eventually replaced with a solid-state stereo unit received in a trade with Sparta Transmitters in Sacramento.

Seen here are "tech" staff Gary Gundershaug explaining the inner workings to John Tiberend.



Business card photo:

In later years the 250-Watt transmitter was used to drive a 3 Kilowatt amplifier. Slightly less power was actually used, but with the combined antenna gain it resulted in 5200 Watts of effective radiated power.



1973 Broadcasting Yearbook shows KVHS 5200 W CP and names of Operations, Program and Technical managers.



**There is nothing like a little
ambiance lighting to put the
night DJ in the mood.**

**DJ's operated in the evening
but with volunteer parents
keeping watch to keep the
school district happy.**

**Party? No. Lunch time in the
KVHS office/class room.**

**Geological survey maps hang on the wall in the background. Students used these to
calculate the Antenna Height Above the Average terrain (AHAAT) for FCC
construction permit applications.**



**Ken Larson
&
Peggy Anglim**

Marathon refreshments

KVHS is Clayton Valley's radio station.

Raising over \$1,000 for the "Save Mt. Diablo Fund" by having a 90.5 hour marathon was only one of the many accomplishments made by KVHS this year.

Another thing they did was broadcast a debate between Boatwright and Williams when they were competing for office. They also allotted a community theatre time for elementary and intermediate school children where these children could broadcast their various talents over the radio.

KVHS is located at 90.5 on the FM dial.





Clayton Youths Hunt Easter Seal Funds

Clayton Valley High School students will attempt to raise \$500 or more for the Easter Seal Society this weekend with their annual marathon.

More than 20 youths together with Faculty Advisor Ernest Wilson will broadcast continuously from 9 Friday morning to 6 Sunday night.

They will be playing music, airing small features and asking listeners to call in with

pledges to the society's Contra Costa County unit to benefit crippled children and adults.

Also scheduled by the youths is an Easter egg hunt beginning at 10 Saturday morning at the school, 1101 Alberta Way, Concord for children aged 12 and under.

The youths will be broadcasting over their school station, KVHS at 90.5 on the FM dial. For information about the marathon or egg hunt call 687-4721 or 682-7478.

Last year the youths collected \$500. They hope to meet or top that figure this Easter weekend.

**1973 Marathon
Eric Allen
Denise Lauffer
Dan Killingsworth**

**Eric Allen Archived
Newspaper Clipping**



Program producer, Rene Longman, coaches young broadcasters. (1971)

The program staff edited or wrote and produced material ranging from short stories to travel information.

Skip Sayre made famous the story of “The first knife, fork and spoon”.

Bobbie Steiner produced a whole series on California parks and landmarks.

These programs were directed no only to elementary and intermediate schools, but to the general public as well.

Programs, station ID’s, news, Music and “promos” were scheduled for each day’s logs.

Program staff typed these logs in advance to be used by both the DJ and monthly program guide.





Larry Reasoner, Skip Sayre and Jim Thyken doing a remote broadcast of a basket ball game at another campus.

Games and other events were relayed back to the main studio with a portable Marti low power transmitter and antenna.

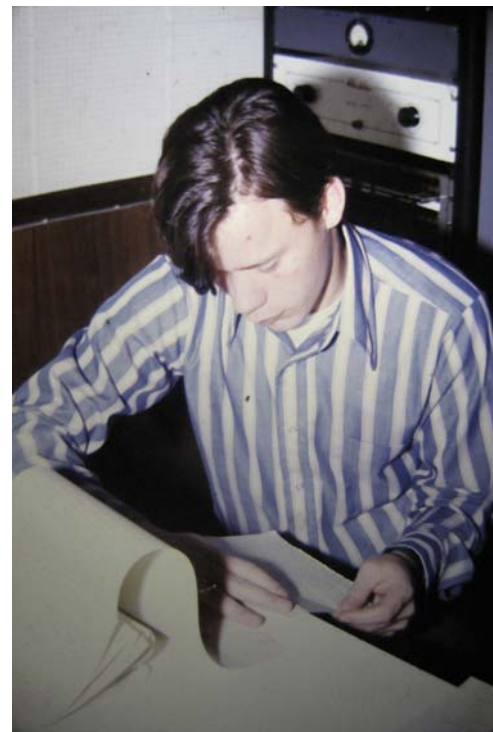
Skip Sayre demonstrating the old time radio broadcaster's trick of "cupping your ear" to better hear your own voice.

Remote broadcasts were also made from the Sun Valley Mall in Concord and Walnut Creek's Walnut Festival.



Above: Station promotional remote broadcast and display board showing KVHS staff. Skip Sayre in the left background, Bobbie Steiner speaking with faculty advisor Ernie Wilson.

Chuck Mikesell preparing to “rip and read” the news from the Associated Press machine.





A used Ford Econoline Van was offered to the station by Pacific Bell. The School District only had to agree to accept it.

It was repainted by Larry Reasoner's father's auto paint shop. A wheel shop in Benicia donated magnesium wheels and new tires.

The van was also equipped with two-way communications; remote broadcast transmitter and power inverter.

Left: Tech staff making repairs to the power supply of the old Gates 3 Kilowatt amplifier.



The following photos were marked “January 1971”. Just prior to that date a large crude oil spill occurred on the ocean near Bolinas, California. All sorts of marine and beach life were affected. But sea birds were particularly in trouble. Feathers coated with oil, they could not fly. Faces covered with oil, they could not eat and had difficulty in breathing. If they did manage to eat, the oil contamination made them sick.

The KVHS mobile studio van carried a handful of KVHS staff to the site.





Hundreds of volunteers turned out for bird cleaning. Detergent was used to remove the oil but this also removed the bird's natural feather oils. Without the natural oils the birds would have difficulty staying warm and afloat. Mouths, nostrils and eyes were cleaned. They were carefully cared for until they were ready for release.

KVHS staff pitched in. Being there only for a short while they couldn't engage in bird cleaning. But there was lots of work to do on the beach. Here are 4 of the KVHS staff securing tarps with which to isolate spills on the beach.

Left to right: Dan Killingsworth, Robert Shepard, unknown, Douglas Smith.

Doug Smith, in KVHS jacket, joined KVHS through the District's vocational education program. Doug was from Ygnacio Valley High School.

While too distant for a remote newscast, KVHS staff interviewed workers on site for later broadcast at home.





The KVHS staff also participated in community events. Above: Don Capalety & Bobbie Steiner load the van during the annual food drive.

Below: Bobbie Steiner, Jenny Hudgens & unknown in the Walnut Festival Parade.





Above: "Boss" Wilson inspects inside of the 250W transmitter.

Staff with one of the original Motorola base stations.

This photo also shows some of the office where program and operations staff had individual workspaces.

Ann Hardy in a posed photo showing the station's newer 25-Watt two-way unit and test instrument.





Production facilities were a condensed version of the KVHS studio. Recorded Promo's, station ID's, music tapes and educational programs were produced here.

Harold Nelson is at the controls. Perhaps Gene Breniman is at the mic.

The "production room" was located in an unused shop building restroom. Not yet removed toilets were covered to make a workspace. Occasionally the still operating flush toilets were used for sound effects.

Left: Diane Dalby, program department, cataloging reel-reel tapes. These included programs from the federal government, golden age of radio programs and material from Radio Moscow.



Above: Unknown program staff cataloging 45-rpm records?

Below: Chuck Mikesell and Bobbie Steiner. Right: Don Capalety and friend.





KVHS communications. « Boss » Wilson on the phone. Staff member Frank Wilson checking out the bulletin board. The KVHS mail center for messages to and between staff members.



Field trips to the FCC office in San Francisco were scheduled each semester. Each student took a rules and technical test in order to obtain a Third Class Radiotelephone permit & broadcast endorsement.

This was done in the morning so everyone would be finished by lunchtime. A favorite place to go for lunch in SF was Sam Wo's in China Town, just a few blocks from the FCC office. The waiter, Edsel Ford Fung, would entertain by harassing everyone there. (You wash you hands?; Here, put chop stick on all tables)

No, no one stopped for a libation at Latex Lilly's Saloon (at least not that the advisor was aware of). It just happened to be on the way to china town.



The KVHS staff also engaged in extra curricular activities. Above: Seymour the squirrel towing the Walnut Festival Queen in a Walnut Shell. Below: Queen's Gazebo float. Both built by the staff in "Boss" backyard for the Walnut Festival parade.





A very social group on and off campus, here are some KVHS staff on a backpack trip through Big Basin Park. A well deserved rest.

All trips were with parental consent but not school authorized.



Bedraggled “Boss” Wilson at Grass Valley overnight campout.

Courtesy of Eric Allen

Other adventures included dining at Juanita’s restaurants in Fedders Hot Springs and her Grist Mill in Valley of the Moon.

A group visiting the Grand Canyon also stopped at Brice Canyon, Zion, Death Valley and visited a station in Las Vegas during Easter week.



KVHS group visited Pinnacles national park and Mission San Juan Bautista
Back: Unknown, Bret Helmantoler, Toby Johnson, Terry Adair, ? and ?
Front: Mike Burke, ? Hooker, Peggy Anglim
Below: Line dancing on beach at Bodega Bay





**Above: KVHS group at Muir warming hut, John Muir trail, High Sierras
Below: Charlie, Toby, Mikki, Frank and Bob (sitting) at 12,000 foot Italy Pass, Sierras.
Right: Charlie, Toby, Mikki, Bob and Mrs. "Boss" at rim of Grand Canyon**





RADIO CLUB

BOTTOM ROW: Tim Goodell, Ron Hummell, Judi Broderson, Chuck Mikesell, Kim Devaney, Joan Tandberg. SECOND ROW: Karen Link, Dennis Minger, Josie Silva, Paul Kyzer, Marie Woods, Bev McElhare, Rahm Davis, Gary Gundershaug. TOP ROW: Darryl Tice, John Kinsey, Karl West, Mike Brown, Tom Kinsey, George Heleker, Scott Breese, Bill Roskelly.

1968 Yearbook photo

Not yet a radio station with call letters



Toby Johnson was from San Ramon HS and Joined KVHS through the ROP. Toby served at several radio stations before his death in a car crash late one night retuning home.

Several staff members came by way of the ROP. Not being CVHS students they were not included in Yearbook photos. Some them were:

**Sherry Gabrielson
Douglas Smith (Ygnacio Valley HS)
Rick Bartlett (Ygnacio Valley HS)
Toby Johnson (San Ramon HS)
Fred Smith**

In Memoriam:

**Peggy Anglim (Clayton Valley HS)
Toby Johnson (San Ramon HS)**



KVHS

ROW 1: Renee Longman, Vickie Johnson, Jenny Hudgins, Debra Holt, Bobbie Steiner, Lory Knight
ROW 2: Ron Peterson, Skip Sayre, Chuck Mikesell, Ron Hummel, Terry Less, Dave Dukes, George Bradlee
ROW 3: Mr. Wilson, Tom Willis, Gary Gundershaug, Bill Roskelley, Doug Broadwell

Above: 1969 Yearbook

Below: 1970 Yearbook

KVHS

Front Row l-r
 Jim Little
 Bob Heaston
 Bobbie Steiner
 Leona Johnson
 Mitie McIntyne
 Jenny Hudgens
 Debbie Holy
 Mr. Wilson

Second Row
 Dan Seeley
 Jim Thyken

Don Capalety
 Diane Ascher
 Sheila Willis
 Renee Longman
 Hale Tolleth

Third Row
 Larry Reasoner
 Chuck Mikesell
 Paul Kyzer
 Bill Roskelley
 R. Hummel



KVHS RADIO



Row 1: Hal Nelson, Mike McInter, Becky Mills, Leona Johnson, Don Capalety, Mr. Wilson, Bob Connoly, Dan Kilinnswort, Jim Shearborn, Dave Harmon, Stomper Mikesell, Row 2: Allan Stewart, Diane Asher, Larry Scott, Jenny Hudsens, Dave Hatch, Bob Wolf, Jim Thyken, Bob Shepherd, Dave Hormon, Glenn Michael, Skip Sayre, Pam Widener, Dave Dukes, John Tiberd, Tom Sloan, Bob Heaston

Above: 1971 Yearbook photo (and KVHS van) Below: 1972 Yearbook photo



K.V.H.S.

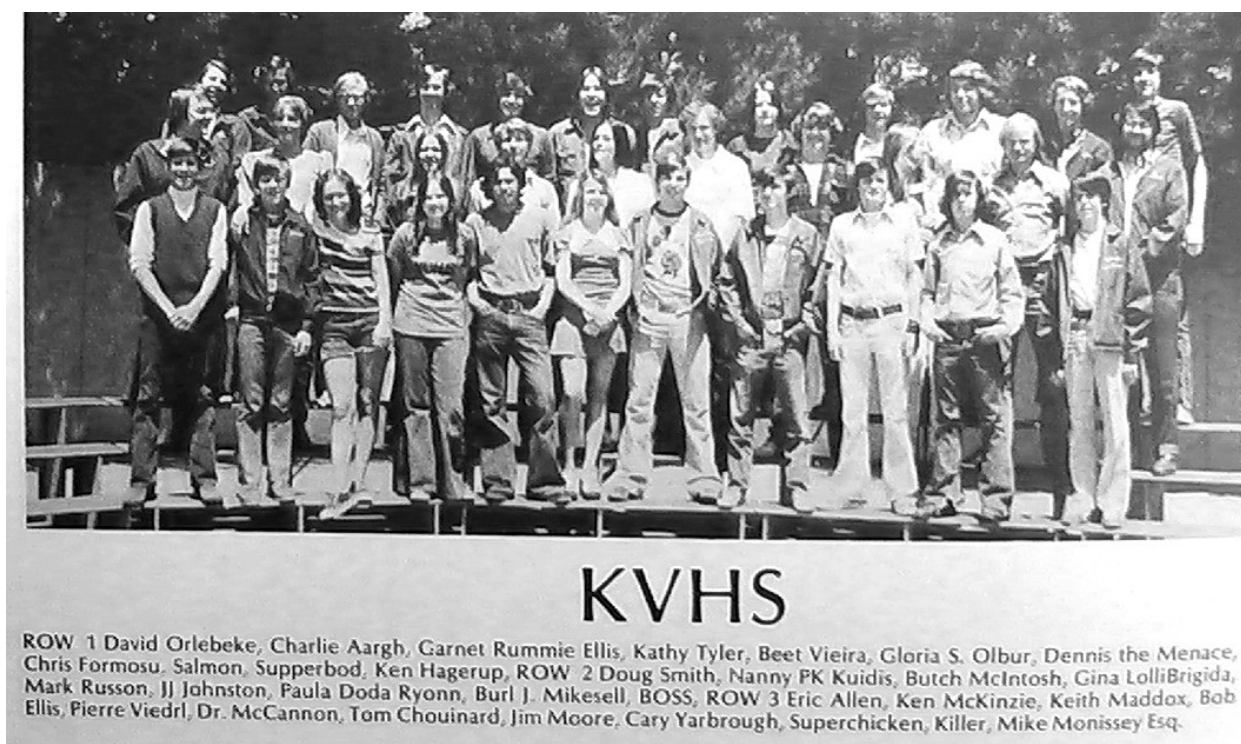
Front Row: Robin Daugherty, Diane Ascher, Gayle Nall, Sherri Arnold, Patty Johns, Cindy Pitts, Cathy Olbur, Elayne Rawson, Sandy Capalety, Row Two: Mr. Wilson, Shep, Bob Heaston, John Brunck, Cary McHugh, F.M. Breniman, Rob Selzick, Row Heath Row Three: Jeff Seward, Harold Nelson, Terry Less, John Tiberend, Perry Spetz, Jon Asai, Dan Killingsworth, Burl Mekesell.



Above: 1973 Yearbook Photo

Below: 1974 Yearbook Photo

Doug Smith, Ygnacio Valley High School, joins staff by way of ROP (2nd row left)



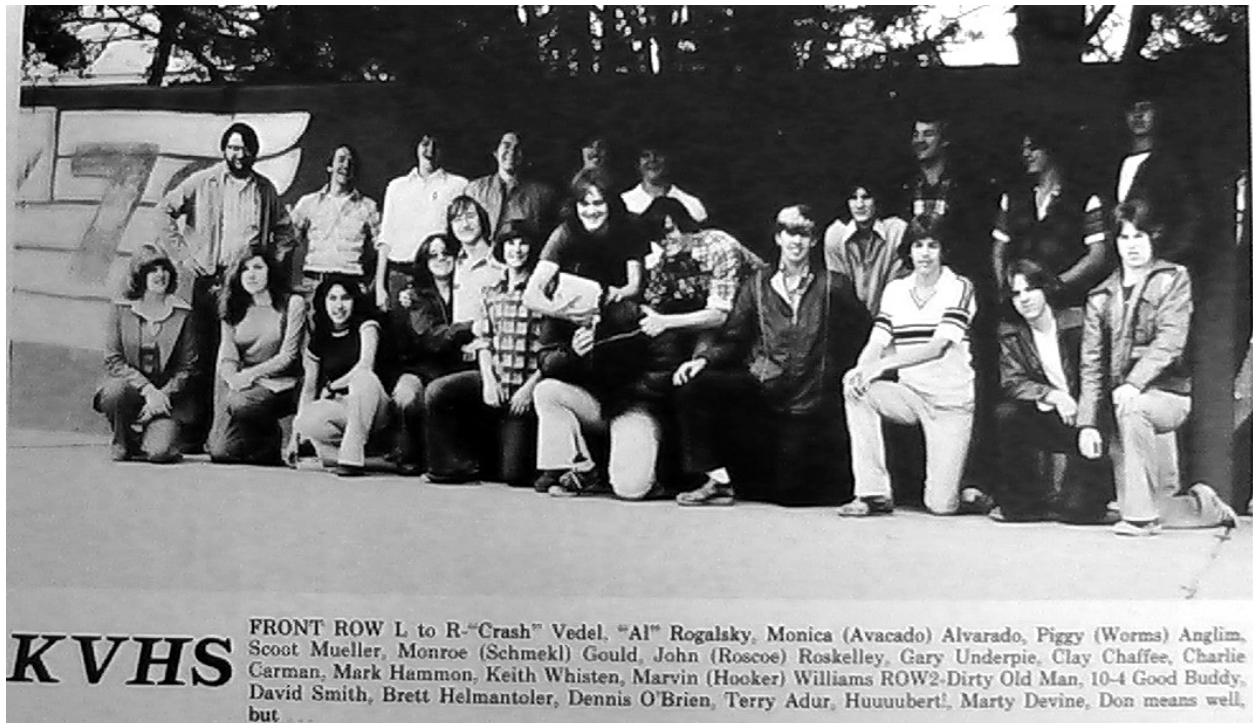


Above: 1976 Yearbook Photo (captions not available) Below: 1977 Yearbook photo



K.V.H.S.

FT. ROW- Melisa Felty, Peggy Anglim, Marvin Hooker. ROW 2- Jackie Vedel, Dennis O'Brien, Brett Helmantoler, Pete Thompson, Eric Layton, Mike Burke, Robin Jackson, Dan Killingworth, ROW 3- Mr. Wilson, Doug Sharp, Gary Case, Mike Traynor, Herb Rawlings, Terry Adair, Ken Bausch, Jim Cliche, John Wilson.

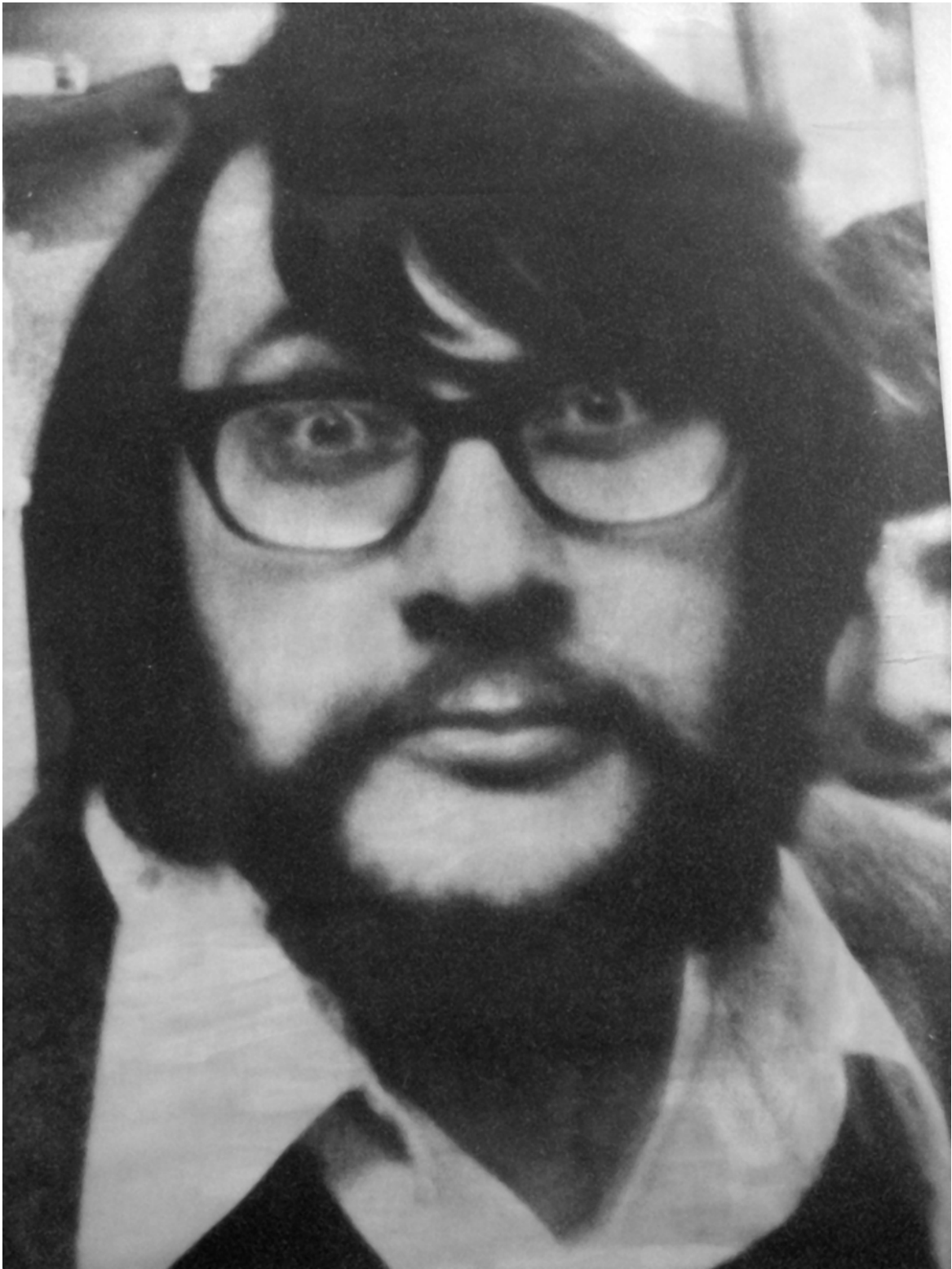


Above: 1978 Yearbook Photo

Left: Steve Miller examines slides in preparation for a multimedia presentation.

Right: Vice Principal Bob Daugherty. It was he who originated the idea of a campus radio station about 1966. His High School in New Albany, Indiana, had a station.





“Boss” Wilson
On a good day