

# 2 Fresno TV 'Hams' Beam Shows Over Own Network

Two Fresnoans have turned curiosity, months of work and World War II surplus equipment into the city's two smallest television stations.

Charles Colby, an engineering major in the Fresno State College, has his television camera, transmitter and receiver in a house trailer behind the home of his parents, Mr. and Mrs. Charles E. Colby of 3529 East Balch Avenue.

And Jim Kennedy, an engineer for a commercial television station, has similar homemade equipment in his home at 2810 East Norwich Avenue.

Colby and Kennedy said

they built the equipment primarily to see if they could.

"What we're trying to get now is something we can use for convenient communication," explained Kennedy. "We'll get together two or three times a week and gab. Or Chuck will show some slides he took in Hawaii."

"My wife, Cathy, and I will watch the slides on our set and Chuck looks around for some he thinks we haven't seen yet."

The background work isn't quite so informal.

Colby and Kennedy completed months of work and

began sending back and forth in September.

They operate on a "ham band" set aside by the federal communications commission. Colby's call letters are WA6BRL and Kennedy's are K6MIO.

Their receivers are regular television sets with modified ultra high frequency converters adjusted to the ham band.

Their cameras are surplus World War II units, built in 1944 and 1945 for aircraft reconnaissance. Kennedy's transmitter is homemade and Colby's is surplus.

"The pictures we transmit

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# THE FRESNO BEE

THE REPUBLICAN

Fresno, California, Tuesday Evening, March 13, 1962

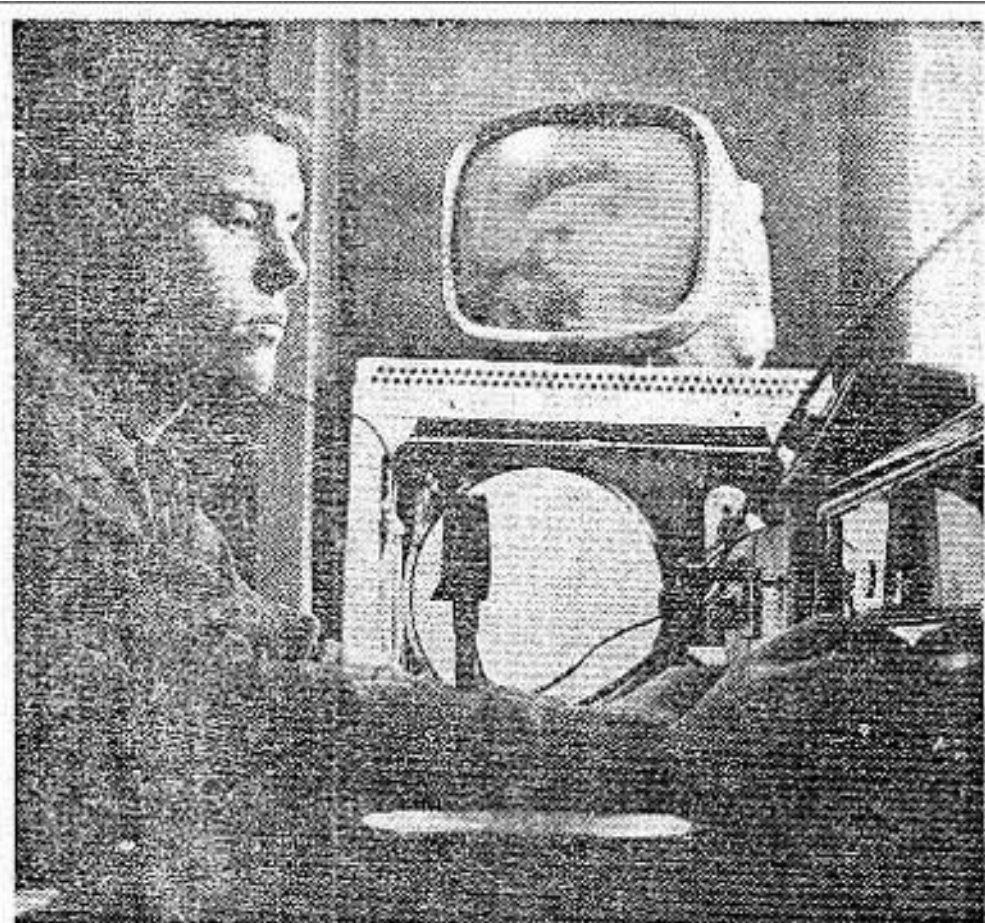
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**CHECKING IN**—Charles Colby tells his fellow television ham, Jim Kennedy, that Kennedy is coming in clearly. The two

have worked in electronics since they were sophomores in the San Joaquin Memorial High School.

Bee Photos



**IN TUNE**—Kennedy works with his radio receiver to bring in Colby's voice. Kennedy estimates it would cost \$150 to

replace his equipment. Colby, who has a surplus rather than homemade transmitter, estimates his costs at \$400.

Los Angeles Times

# Southland

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SUNDAY, APRIL 22, 1962

Sec. D 11

## 'Hams' Build TV 'Net'

FRESNO—Two Fresno "hams" have just completed two of Fresno's smallest television stations as a result of a lot of curiosity and hard work.

Charles Colby, a student at Fresno State College who is majoring in engineering, has a television camera, transmitter, and receiver in a house trailer behind his home. His partner in the project, Jim Kennedy, who is an engineer for a commercial television station, has the same type of equipment in his home.

The reason they built it? "To see if we could."

Kennedy explains, "What we're trying to do is to establish some sort of convenient communi-

cation. Sometimes my wife and I will sit and watch slides that Chuck took in Hawaii or just sit around and job."

Colby and Kennedy completed months of work and began to send communications back and forth last September.

Operating on a "ham band" set aside by the Federal Communication Commission, Colby's call letters are WA6RSL, while Kennedy's are KGM10. Their receivers are regular television sets with modified ultra-high-frequency converters adjusted to the ham band.

World War II units built in 1944 and 1945 for aircraft reconnaissance serve as cameras.

States Kennedy, "The pictures we transmit are sent in about the same way as commercial television works, but for our sound equipment ham radios are used.

One of their main problems is that the cameras are old and the image pickup tube needs quite a bit of light to operate. They're now trying to obtain parts for vidicon cameras which are more compact and will work under room lighting.

Chuck is eager to try color, but as Kennedy explains, "We need three vidicon cameras for color and we've got enough trouble now trying to get the parts for one."



**PICTURE CHECK**—Charles Colby gazes up at his partner, Jim Kennedy (on screen) to check cleanness of picture coming in on their private TV system.



AN ADJUSTMENT—Colby gets ready to put on a slide show for Kennedy and his wife, Cathy. The slide projector is lined

up with the lens of the television camera. Colby is thinking of the day when he can show the slides in color.

Courtesy of Chuck Colby