Engineer's Discarded Crutch Helps

College FM Station Limp On Air

LOS ALTOS HILLS - Alany place that has rain and sipation of about half the discarded crutch is being salt air.

from Foothill College's FM Nevada."

station KFJC.

It belongs to the station's tion began encountering an- ates on a frequency of 89.7 language session on its Mountain View. It had the Christmas holiday and p.m. Monday through Fri- programs. served him while he was was virtually shut down recovering from a leg in-until Gardner devised the day, and is nearing the end jury received in an autocrutch antenna. accident.

station's Black Mountain Fred Critchfield, faculty antenna mast, not as a advisor. prank but as part of an em-

ergency antenna. antenna above it has been completed on a working

"We had to have an emergency antenna to operwas adjustable for tun- ing division chairman. ing."

the antenna are two lengths cations Commission, which of copper tubing, and the will have to decide whether cost of the emergency rigito permit the station to use to the college, less Gard-a directional antenna. ner's crutch, was \$1.29.

Critchfield believes the signal from the promono-station, now programming. used to carry broadcasts "It would work fine in tory on which it is located. selections from a music ap-The station, which oper-preciation class list and a

engineer, Douglas M. Gard-tenna troubles when it re-megacycles, broadcasts schedule, will be used inner, 26, of 433 Ortega Ave., sumed broadcasting after from 6:30 p.m. until 10:15 creasingly for educational

> of its third year — the first "It has improved the sig- of course, on the new camp-

Now it's mounted on the nal immensely," comments us The crutch is strictly a

stopgap measure, a fill-The steel pipe turnstile in while tests are being made useless by corrosion. model of a directional antenna Gardner designed.

The student-managed sta-

Results of the antenna's ate, and I had to find a performance are being colsuitable support," he said, lected by members of an "The crutch was just the advanced electronics class thing. It was varnished taught by Dr. John Sherand waterproof, and it man, electronics engineer-

This material will be sent The "working parts" of to the Federal Communi-

As Gardner explains it. "I don't know who made the directional antenna the other antenna, but he would beam a concentrated obviously didn't consult signal into the section of the anyone the engineering de-Santa Clara Valley that the partment. The size and de-college serves. Use of a consign are good, but the ma-ventional non-directional terial is quite inferior for antenna would result in disSan Jose, Calif. Mercury (Cir. 63,437)

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BROADCASTING CRUTCH - Foothill College sophomore Douglas M. Gardner adjusts the emergency artenna he rigged for the school's FM station, KFJC, using his discarded crutch and two pieces of copper tubing.