

JANUARY 1993

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PAARA POLICIES

MEMBERSHIP IN PAARA IS \$6.00 PER CALENDAR YEAR WHICH INCLUDES A SUBSCRIPTION TO PAARA/GRAPHS. MAKE PAYMENT TO THE PALO ALTO AMATEUR RADIO ASSOCIATION, P.O.BOX 911, MENLO PARK, CA 94026.

CLUB NET 147.45 MHZ MONDAYS 8:30 PM

MEETINGS: 7:30 PM ON THE FIRST FRIDAY OF EACH MONTH AT THE MENLO PARK RECREATION CENTER, 700 ALMA STREET.

SEND PAARA/GRAPHS CORRESPONDENCE TO:

CHUCK JOHNSON N6VFH, EDITOR

3309 MT. LOGAN DRIVE

SAN JOSE, CA 95127

VOLUME 36

JANUARY 1993

FROM THE EDITOR'S DESK

HAPPY MEETING NEW FRIDAY YEAR ! JANUARY 8TH !

SPEAKER OF THE MONTH

LATEST FROM ANDY VIA PACKET :

SAM KD6FXR

I'm talking to him on the phone right now. He will firm up a title eventually but it seems he's a lecturer on batteries at corporate level -- teaches people how to be "battery experts". He says he breaks it down to 4 stages -- sounds real informative! He's actually going to tell us HOW A BATTERY WORKS!!!!

NEXT FEATURE ATTRACTION: NM6J Fred Dietrich on his "PRIVATE ANTENNA FARM"
for his own R & D (for ham purposes, I presume)

73 Andy

DINNER WITH THE SPEAKER

蘇
紅
小
館
**Su Hong
Restaurant**

EL CAMINO OFF RAVENSWOOD, MENLO
PARK, 5:45 PM ON MEETING FRIDAY
JANUARY 8TH !

EX-PRESIDENT'S CORNER

DE GERRY WAGLNU

THE CURTAIN IS FALLING ON THE 1992 SEASON. IT'S BEEN A GREAT YEAR CAPPED OFF BY A GREAT HOLIDAY DINNER AT THE FARM HOUSE. THANKS TO LILY ANNE N6PGM WE HAD A BIG CROWD, ABOUT 58 IN ALL. I THINK IT HAS TO RANK AS ONE OF THE BEST ATTENDED FUNCTIONS WE EVER HAD. I HEARD GOOD COMMENTS ABOUT THE FOOD AND THE SERVICE WAS PROMPT AND EFFICIENT. THERE WERE LOTS OF RELATIVELY NEW MEMBERS, SOMETHING I THINK WE ALL SHOULD BE PROUD OF. AGAIN N6PGM HAS HAD A BIG HAND IN THE MEMBERSHIP EFFORT, BUT IT MUST ALSO REFLECT THE FACT THAT THEY SEE A PROGRAM WORTH PARTICIPATING IN. UNFORTUNATELY, I WAS TRAVELING AND COULDN'T MAKE THE DECEMBER MEETING. I HEARD THE SPEAKER WAS GREAT SO LET'S REMEMBER TO CONGRATULATE ANDY VE3FZK.

THE CLUB IS STILL STRUGGLING TRYING TO FIND A NEW PRESIDENT, BUT I FEEL CONFIDENT THINGS WILL SORT THEMSELVES OUT IN THE NEXT MONTH OR SO.

FRED KGYT EXPLAINED AT THE DINNER WHY WE DON'T GET THE FIELD DAY PLAQUE THIS YEAR, EVEN THOUGH WE NUDGED OUT OUR 3A COMPETITION BY 2 POINTS. IT TURNS OUT THAT THE SQUARE ROOT OF 2 IS BETTER THAN THE SQUARE ROOT OF 3, OR SOMETHING LIKE THAT. CHECK WITH FRED FOR FURTHER CLARIFICATION.

SEE YOU AT THE JANUARY 8TH MEETING !

DE WAGLNU



PAARA '93 OFFICER SLATE

ELECTIONS 12/4/92 + RESULTS :

President - VACANT

Vice President - ANDY KORSAK VE3FZK

Secretary - JOHN GOMPERTS WB7TEM

Treasurer - LILY ANNE HILLIS N6PGM

Board Members (3) - BILL ZANER WB6IYS,
CHRIS REMPEL NGVZD, GERRY TUCKER WA6LNU.

WELCOME!

ON BEHALF OF THE CLUB I'D LIKE TO
WELCOME NEW MEMBERS:

LES DYER N/C
JOHN KING W6SZ
BOB KORTE KD6KYT
TERRY FINN VEGAPE

DE LILY N6PGM

JAMMERS

The FCC rules admonish us to run minimum power to maintain the communication. When there is a jammer on frequency, it may be necessary either to increase your power level, use a quarter-wave or half wave whip on your HT, or use an outside antenna to maintain communication. Some people have simply changed frequency. That may work (unless the jammer also QSYs) to complete your QSO, but if you can increase your effective signal strength into the repeater, you will not only be able to continue your contact, but you will also *discourage* the jammer. The jammer will no longer be effective in making trouble. In these situations, the less said on the air about the effectiveness of the jammer the better.

de Rich, W6APZ

HAM THEFT REPORT DE MIKE KB6LCJ

Date: 13 Dec 92 23:14

Subject: 2530 stolen at Town and Country

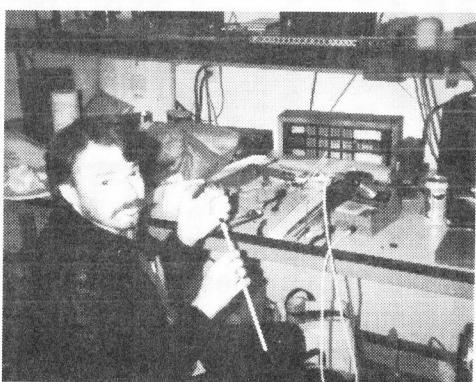
Well this is the season to be careful. I had my 2 meter mobile, model 2530 sn 7070643 stolen today. My car was parked at the Town and Country Shopping Center in San Jose and was having my glasses worked on at For Eyes. I would say the elapsed time was under 15 minutes for the theft. The car was parked in the open (lots of people) and at noon. There was no evidence of breakin such as broken glass etc. Like was professionals.

Be careful this season and let me know if you spot an errant 2530...,
73...Mike

ph 408 243-6745

From: KB6LCJ@NOARY

EXPERIMENTERS GROUP HIGHLIGHTS

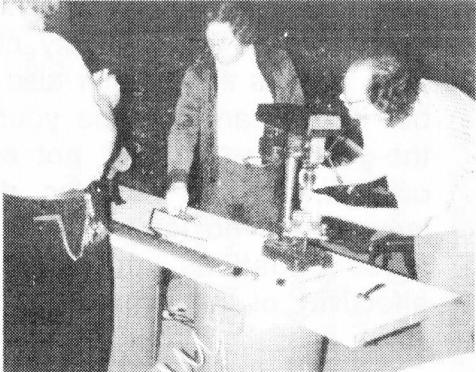


TOP LEFT: MIKE KD6EUD,
IN FOREGROUND

TOP/RIGHT: ED KD6KCA
(GAMMA MATCH DEPARTMENT)

LOWER PHOTO: THE SAW &
DRILL TEAM AT WORK.

PHOTOS DE N6VFH---



THE ("SUNNYVALE") EXPERIMENTERS GROUP RECENTLY HELD A BUILDING SESSION FOR THEIR FAMOUS VHF & UHF YAGI ANTENNAS AT AN UNDISCLOSED SAN JOSE LOCATION (ALSO KNOWN AS KD6EUD QTH).... YOUR EDITOR WAS IN ATTENDANCE AS AN OBSERVER AND WAS SHOWN THE FACT OF BUILDING STILL BEING A PART OF HAM RADIO AT ITS BEST. PROMINENT IN THE EXPERIMENTERS GROUP ARE PAARA MEMBERS MIKE KD6EUD AND ED KD6KCA.

KFS INFO DE RON NR7E

SUGGESTED TO BE USED BY NR7E

WEST COAST SHORE STATION FREQUENCIES

BAND	KFS A/B HALF MOON BAY, CA	KPH POINT REYES, CA	KLB ARLINGTON, WA
MF	476/436	426	488
4	4274.0	4247.0	4348.5
6	6365.5	6477.5	6410.65
8	8558.4/8444.5	8618.0/8642.0	8582.5
12	12844.5/12695.5	12808.5/13002.0	12917.0
16	17026.0/17184.8	17016.8/17088.8	17007.7
22	22581.5/22515.0	22477.5/22557.0	22539.0
NOTES	TFC LIST: HOURLY ODD Z = H + 30 EVEN Z = H + 35 476KHz AND HF/A	TFC LIST: HOURLY ON THE HOUR	TFC LIST: EVEN ZULU HOURS AT H + 30 STATION OPEN 0800 THRU 2400 LOCAL

ALL TRAFFIC LISTS AND MOST BROADCASTS ARE ANNOUNCED ON 500 KHz

KFS BROADCASTS: ALL BROADCASTS ARE ON 476KHz AND HF/A FREQS...

WX: 0450Z/1050Z/1650Z/2250Z

NAVITECH WX: IMMEDIATELY AFTER 0330Z TRAFFIC LIST

ARA PRESS: SUNDAY 0518Z (TFC LIST FOLLOWS)

SHIP OPERATING FREQUENCIES

BAND	CALLING	WORKING	UNPAIRED NBDP
MF	500	400-500	N/A
4	4182.0-4186.5	4187.0-4202.0	4202.5-4207.0
6	6276.0-6280.5	6285.0-6300.0	6300.5-6311.5
8	8366.0-8370.5	8342.0-8365.5 8371.0-8376.0	8396.5-8414.0
12	12550.0-12554.5	12422.0-12476.5	12560.0-12576.5
16	16734.0-16738.5	16619.0-16683.0	16785.0-16804.0
22	22279.5-22284.0	22242.0-22279.0	22352.0-22374.0

NOTES: THESE FREQUENCIES ARE BASED ON FCC DOCUMENT DA 91-115,
REPORT AND ORDER, PR DOCKET 90-133 ADOPTED 1-10-91, EFFECTIVE
6-1-91. ALL FREQUENCIES ARE IN KHz. UNPAIRED NBDP (DATA) FREQUEN-
CIES MAY BE USED AS CW WORKING FREQUENCIES.

Ham Operators Come From All Talks of Life

By Christine Hawes

THE CHICAGO TRIBUNE

Chicago — Picture a bespectacled man slumped over a collection of dials and knobs, exhausted after 24 hours of trying to track the fate of hundreds of hurricane victims.

Now picture a female corporate litigation attorney, home after a day's work. She's ready for a relaxing hour of conversation with Russians, French, South Americans or anyone else she can reach.

Both are images of the modern ham radio operator, though their high profile during Hurricanes Iniki and Andrew might leave the impression that hams exist only as a last resort when phones and electricity are useless.

They don't advertise it, but hams, or amateur radio operators, may be one of modern society's most diverse and interesting cliques.

They are male and female, introverted social outcasts as well as visible, active citizens. What they do is a combination of the most complex and the most basic technologies. And they ply their trade as much for fun as to save lives.

"We have everything from the cliched vision of a

Some say it's simply an acronym for the surnames of three early amateur radio operators. Others joke that it stands for "high and mighty," a cheap shot by citizens'-band radio users.

Today, the Federal Communications Commission monitors hams closely to ensure that the practice of amateur radio operation remains just that.

And thanks to a spate of natural disasters over the past few years — Hurricanes Iniki and Andrew this year, Hugo in September 1989 and Gilbert before that — amateur radio operators are receiving a healthy amount of publicity. But the American public that leans so heavily on hams when other modern technologies have been knocked out knows little about what hams are doing when peace and tranquillity prevail.

Ms. Uscian, who has been a ham for almost 16 years, spends her time contacting as many countries as possible, some 300 at last count.

It's one form of "contesting": competing to see who can stretch the lines of communication farthest. Or they compete for one full day to reach as many different fellow hams as possible. Of course, they have their own magazines and pass

pencil-necked geek to people who have interests far afield from amateur radio," said Paula Uscian, 37, who spends at least an hour a day on her radio when she isn't working as an attorney for Inland Steel Industries Inc.

They know each other by their call letters, but heaven forbid that you confuse them with citizens'-band radio operators: the "impure" radio, sniffed one ham. They have their own lingo that descends both from Morse Code and from slang. "CQ" means, "I'm looking for someone," and "73" is one way to wish another ham well. "WX" means weather — the weather is an ever-fascinating subject for hams — and DXers are hams trying to make overseas contact.

Hams like to talk to each other about things like signal strengths, sunspots, antenna styles and frequencies. Their conversation seems technically snobby, but they can't help it. Contrary to popular notions, ham radios are not chunky, old-fashioned machines. Their operators actually are on top of most of the world's latest technology. They were using facsimile-machine technology before fax became a fixture in American office buildings.

And they adhere to a lofty code, based on both law and tradition, that bars ham radio use for profit, frowns on discourteous conversation or crude language, and claims international goodwill and society's safety and security as its mission.

The origin of the word "ham" is difficult to trace. It may have arisen from the word "amateur" in England where Britons may have attached an "H" to the beginning and hacked off the last two syllables.

along "QSL cards" to one another, recording their latest geographical conquests.

"You just learn an enormous amount about electronics, geography and the different lifestyles of people in different countries," Ms. Uscian said. "And it's a tremendous way to gauge what's really going on in the world."

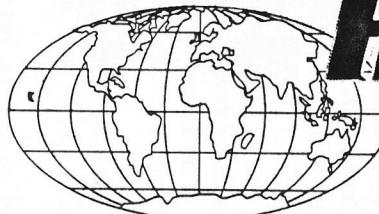
When the Soviet Union was collapsing, Ms. Uscian heard a flood of new call letters, belonging to newly independent countries, coming across the airwaves. And a fellow ham traveled to the frigid South Sandwich Islands near Antarctica — "the most miserable place on Earth," Ms. Uscian said — just so other hams could claim the distinction of contacting that distant location.

Other operators are getting into other sophisticated forms of communication. Mark Vaul, a staff assistant at DeVry Institute of Technology, has been listening in on conversations between U.S. space shuttles and their home base at NASA. There's just no pigeonholing hams, what they do or why, says amateur Bill Davidson.

"We span every facet of society, from the goof balls to the pillars," Davidson says. "Of the top five hams that I know and respect, one is a retired bus driver; one is an attorney with the public defender's office; one is a professor of electronics; and one is a taxicab driver.

"Some of us are into volunteerism and some don't care at all about public service. The one thing we all have in common is our love for the radio." [©]

a reprint from Omaha World Herald, pp. 2E, October 25, 1992



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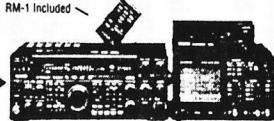
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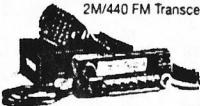


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