

Field Day Entries
ARRL
225 Main St.
Newington, CT 06011

Monday, July 22, 2002

To Whom It May Concern:

Please accept our Field Day 2002 entry from a newly formed amateur radio group composed primarily of engineering students and a few interested faculty on the campus of the University of California, Santa Cruz. Although the media piece and student website referenced largely tell the story of how this Field Day effort was organized and carried out, an editorial note is in order since one year ago there was no such cohesive interest among students.

Earlier this year, I was invited by the IEEE Student Branch to give a talk on amateur radio. A few of them were hams, and wanted to hear what I had to say as well as hopefully get others interested in perhaps starting a club on campus. I delivered a well-received Power Point talk at their February meeting on "The Art and Science of Amateur Radio: A Technical Presentation, Past and Present". It was meant to be a brief historical survey of the art and science of non-commercial wireless and radio communications pitched to engineering students. The students loved it – especially the pictures I included from a 1989 W6YL Field Day when I was at San Jose State University.

Three students later independently got their codeless tech licenses, and I began to hear something I thought I would never hear coming from the IEEE student meeting room: code practice! I suggested if everyone was really serious about getting into amateur radio and help get it started, the best way was to do Field Day here on campus, get some media exposure and do some PR. Well, that's exactly what happened. Moreover they took it one step further and organized a last-minute VE session on Friday, June 21; Seven people got their licenses while we were out setting up for the contest. My wife Suellene, now KG6MBT, was among them.

As control operator, I supervised the HF tent, which was operated almost exclusively by new, I mean *really new* operators. Don't worry, there is certainly no danger in us placing very high in class 1A ☺.

73,

Stephen C. Petersen, P.E. AC6P
Faculty IEEE Student Branch Counselor
Lecturer in Computer and Electrical Engineering
School of Engineering
University of California, Santa Cruz
petersen@soe.ucsc.edu, ac6p@arrl.net



Field Day

Please write legibly. Make certain you have filled out this form completely and have enclosed any required dupe sheets, photographs and bonus claims.

Entries must be postmarked within 30 days of the end of the event and mailed to:
Field Day Entries
 ARRL
 225 Main St.
 Newington, CT 06111 USA

1. Field Day Call Used AC6P GOTA Station Call _____
 2. Club or Group name (if Class A station) UCSC IEEE STUDENT BRANCH
 3. Number of Participants 48 4. Number of Transmitters in simultaneous operation 1

5. Entry Class: Check only one.

A. Club or non-club group portable
 B. 1 or 2 person non-club Group portable
 List call of operators: _____
 C. Mobile
 D. Home station commercial power
 E. Home station emergency power

6. Check all power sources used

Generator
 Commercial mains
 Battery
 Other (list) _____

7. ARRL / RAC Section SANTA CLARA VALLEY

8. Total CW QSOs 0 x 2 = _____
 9. Total Digital QSOs 0 x 2 = _____
 10. Total Phone QSOs 241 x 1 = _____

- Total CW QSO points 0
 Total Digital QSO points 0
 Total Phone QSO points 241
 11. Total QSO Points 241

12. Power Multiplier (select only one)

5 Watts or less and Battery powered = 5
 150 Watts or less = 2
 Over 150 Watts = 1
 (transfer to line 13)

13. Power Multiplier 2
 14. Claimed Score 482
 (line 11 x line 13)
 (excluding bonus points)

15. Bonus points claimed: Please check each block as appropriate and include required proof of points with your submission. All bonus points will be verified at ARRL HQ and added to your score.

100% Emergency power
 Media Publicity
 Set-up in Public Place
 Information Booth
 NTS message to ARRL SM/SEC
 W1AW Field Day Message
 Formal NTS messages handled (# _____)
 Satellite QSO completed
 Natural power QSOs completed
 Site Visited by invited officials
 GOTA station maximum QSOs achieved

Non-Traditional Demonstration modes (list each):
 A.
 B.
 C.

Total Bonus Points Claimed: 600

16. I/We have observed all competition rules as well as all relations for amateur radio in my/our country. My/our report is correct and true to the best of my/our knowledge. I/We agree to be bound by the decisions of the ARRL Awards Committee.

Date: July 21, 2002
 Call: AC6P
 Signature: Stephen C. Petersen
(signature/call of club president or authorized club representative)
 Address: 9629 Zayante Drive
FELTON, CA 95018
 E-Mail Address: ac6p@arrl.net

You must complete the Band/Mode QSO breakdown box on the second page or reverse side of this form.

February 2002 - FD Form

Field Day Call Used: AC6P

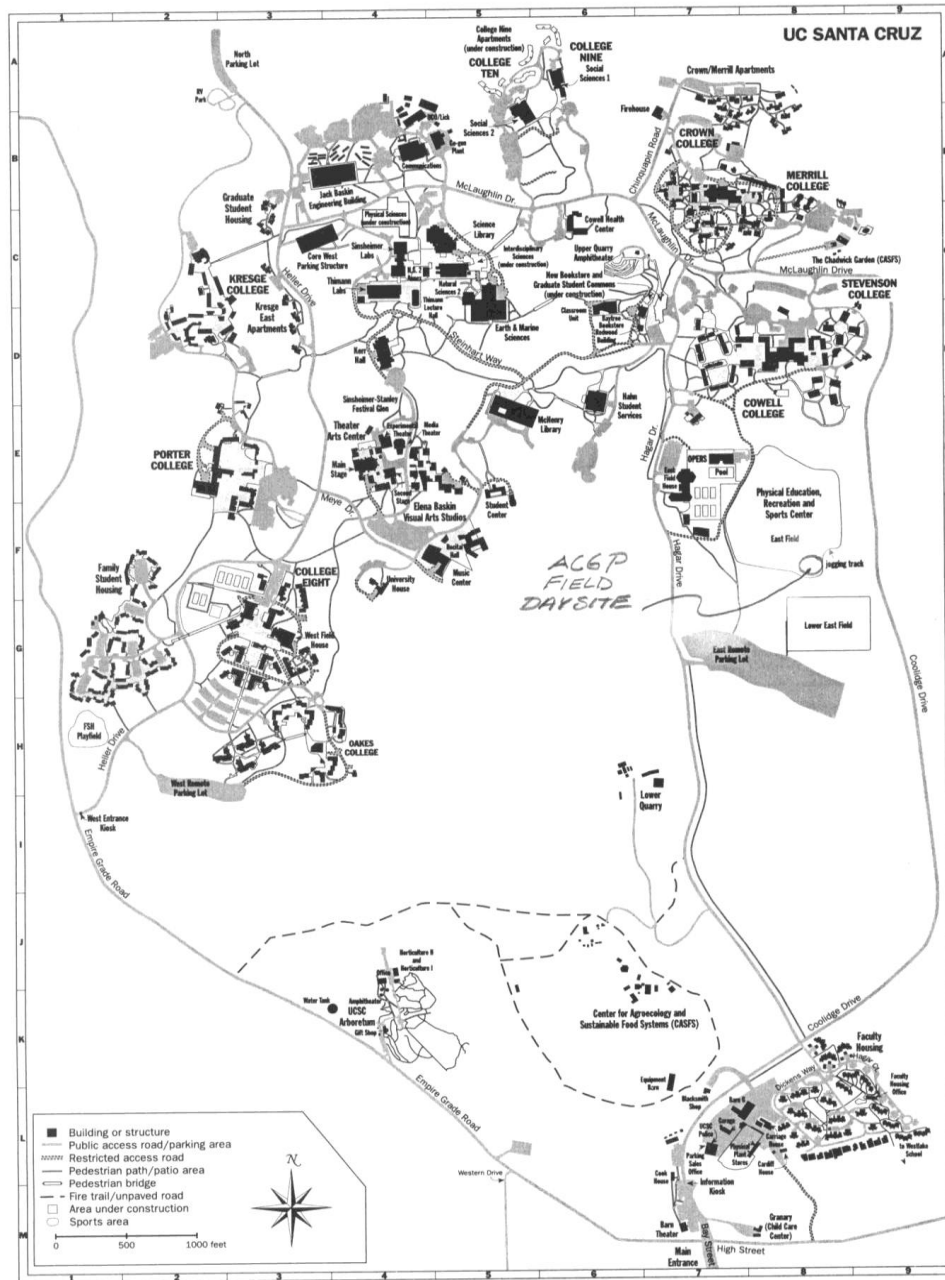
17.	CW		Digital		Phone	
	QSO	Power	QSO	Power	QSO	Power
160 M						
80 M						
40 M						
20 M					160	100
15 M					74	100
10 M						
6 M						
2 M					7	25
1.25						
Other						
Other						
Satellite						
GOTA						
Totals		CW		Digital	141	Phone
	Enter on Line 8 of Summary		Enter on Line 9 of Summary		Enter on Line 10 of Summary	

18. List all callsigns of all operators and number of QSOs completed of the GOTA Station:

GOTA QSOs must include an operator list in order for the QSOs to be included.

Set-up in Public Place & Information Booth:

Our site was set up below the East Field, near the Physical Education, Recreation and Sports Center within the jogging track on the campus of University of California, Santa Cruz (8F on map below). In most of the following photos, the jogging track can be seen in the background that runs around the site. Many joggers dropped by on Saturday and Sunday where they were ushered into the HF tent, which also served as the Information Booth. They were shown the operation, asked to sign our guest log and then given an information pamphlet.



Map of AC6P Field Day 2002 site.

**Amateur Radio with
IEEE at UC Santa Cruz**



Field Day 2002

*Visions of a repeater on top of Baskin
Engineering...* Are you a ham? Would you
like to be? With enough interest, the UCSC
IEEE Student Branch can start an amateur
radio club! Find out more at
<http://iee.soe.ucsc.edu/ham/>

What is ham radio?

Amateur radio is more than just a hobby. It is chatting with other hams from all over the world. It is a meteorological experiment. It is an electrical project. It is an emergency communications tool.

Communication modes include FM or single-sideband radio (phone), Morse code (CW), the computer (packet), television, and several others.

Interested? Find out more by watching us today and talking with other hams. Today is the day to get your license and get on the air!

What is Field Day?

What do a generator, a bunch of wire, and a blanket have in common?

They are all useful in Field Day! Fire up the generator to run the transceiver, use the wire to create an antenna, and wrap yourself in a blanket while you punch out Morse code all night long!

Field day was started in 1933 as emergency preparedness training --- that is, to see how ready we are in case of an emergency. Now, it is also a way to get all that old equipment out of the attic and start using it!

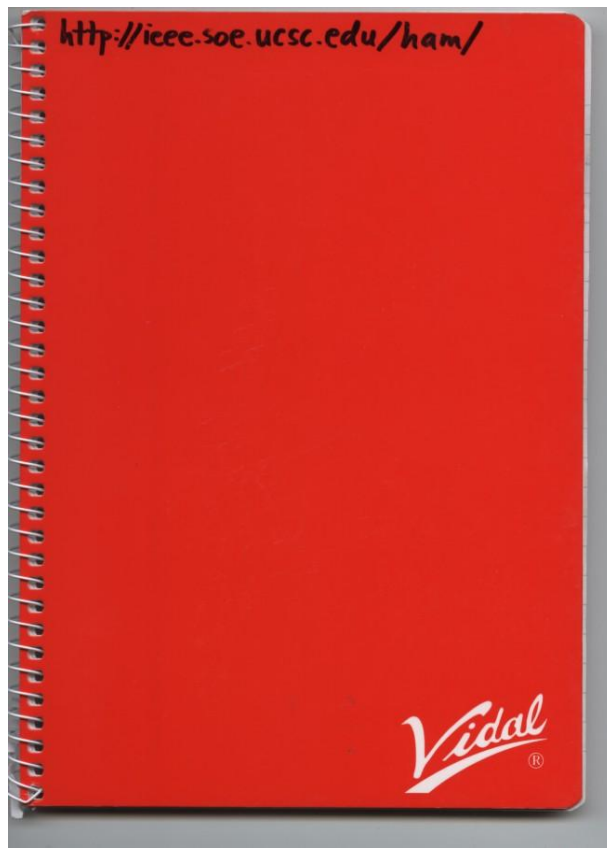
Field Day, a yearly event, is not a contest! But there is scoring. In Field Day, each individual or team receives points for every contact --- one point for voice, two points for CW. In addition, bonus points are assigned for things such as using 100% emergency power, alternate forms of communication (such as smoke signals), or public information tables (such as this one).

Notice we are running all of our equipment off emergency power. What if there were no electricity or telephone? Amateur radio would be the backbone of communication. Field Day is an exercise emphasizing the importance of amateur radio --- and spreading the information along to others.

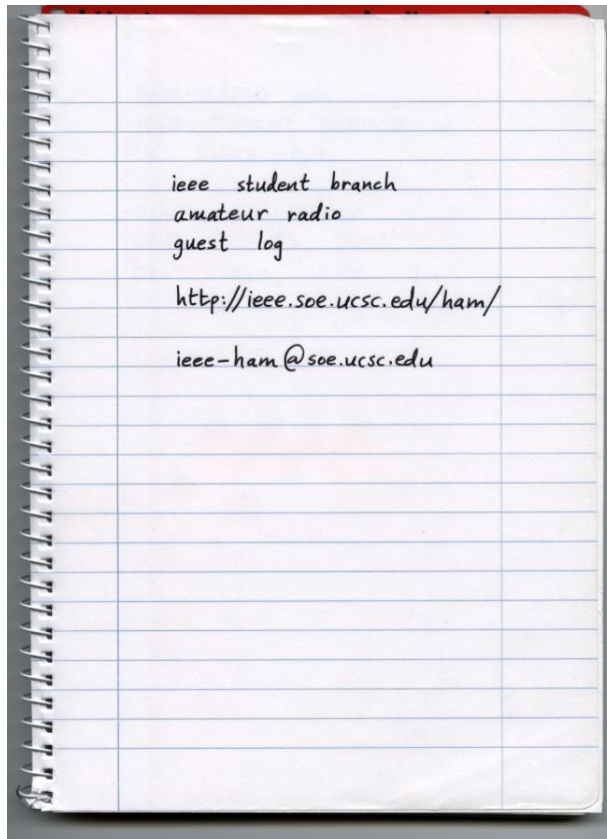
The information pamphlet was printed on both sides and folded in thirds. The front-side is shown above.

<p style="text-align: center;">Becoming a Ham</p> <p>First, get a book. Gordon West publishes books on amateur radio for every class of operator (technician, general, and extra) to get your ready for the license test. Join a ham organization --- they can help you study, and you can meet other interesting hams. Then, take the test --- you do not need to learn Morse code! Next, pick up a radio and get on the air!</p>	<p style="text-align: right;">73...</p> <p>This event could not have happened without dedicated hams and co-operation from UC Santa Cruz!</p>
<p style="text-align: center;">More information</p> <ul style="list-style-type: none">➤ Ham Radio at UCSC IEEE http://iee.soe.ucsc.edu/ham/➤ American Radio Relay League (ARRL) http://arrl.org/➤ Amateur Ham Radio Community http://eham.net/➤ Naval Postgraduate Radio Club http://k6ly.org/➤ QRZ http://qrz.com/	<p style="text-align: center;">Who we are</p> <p>We are amateur radio enthusiasts and members of the student branch of the IEEE, the Institute for Electrical and Electronics Engineers, at University of California, Santa Cruz.</p> <p>But really, we are just a bunch of hams...</p> <p style="text-align: center;">AC6P · AD6JA · KE6EYC · KF6YWO · KG6DEW · KG6KXF · KG6LSM · KG6LWC · KG6LWD ...and others!</p>

Back-side of the information pamphlet.



Guest Log Cover



Guest Log page 1

HAM RADIO with
IEEE STUDENT BRANCH at
UC SANTA CRUZ

2002 FIELD DAY
JUNE 22-23, 2002
EAST FIELD, UCSC



	NAME/CALLSIGN	HOMETOWN
1	Graham Brown	Santa Cruz
2	Sarah Watkins	Sacramento
3	Jon Haro	Ben Lomond, CA.
4	LARRY GILES	SANTA CRUZ
5	Darlene de laCerna	Santa Cruz
6	Pete Vamvakakis	Santa Cruz
7	Rich Seiter	Santa Cruz
8	Erick Castillo	Santa Cruz
9	Heather Levin	
10	Dev GopalKrishnan	Santa Cruz
11	Kali Kubaïi	"
12	Debra Ellis	SC
13	ART LEE	WF6P SC
14	Steffen Court	SC
15	Suellen Peterson	Felton
16	Shoko Ndeano	SC
17	David Ricca	Felton
18	Charles Shiflett	Berkeley, CA
19	Ken Pedrotti	Soquel, CA
20	Dan Merson / N0WYU	Junction City, Santa Cruz KS
21	Sarah Rogerson	SC.

IEEE/ham at <http://ieee.soe.ucsc.edu/ham/>

	NAME/CALLSIGN	HOMETOWN
22.	THERESA ROSSERSONE, DAVID PEPPER	FRESNO, CA
23.	Jason Knuse KE6JEL	Watsonville CA
24.	Yuri A. Parsons	Clowardale, CA
25.	RANDY MEYERS	MONTEREY CA
26.	Janula Karby	Santa Cruz, CA
27.	Amy Walters	Santa Cruz, CA
28.	Kim Steger	Santa Cruz, CA
29.	STIELE ROHRER	S.C., CA.
30.	Steve Custer	Santa Cruz, CA
31.	<i>[Signature]</i>	Santa Cruz, CA
32.	<i>[Signature]</i>	Santa Cruz, CA.



Alexandra Carey, KG6KXF starts Friday off by carrying part of the HF Beam. Note the jogging track in the background.



Steve Petersen, AC6P and Heather Levine work on assembling the HF beam. Note jogging track in background.



Steve Petersen, AC6P gives instruction as assembly of the HF beam continues.



Eric KG6LSM and David Meek checkout the final assembly of the HF beam.



Daniel Walker, KA6LWD looks on while Steve Petersen, AC6P (kneeling) operates the HF station with Doug Coker KG6DEW.



VE Art Lee, WF6P looks on as Darrell Ross dismantles the HF beam on Sunday morning. Newly licensed Michael Soland, KG6MBU, steadies the ladder.

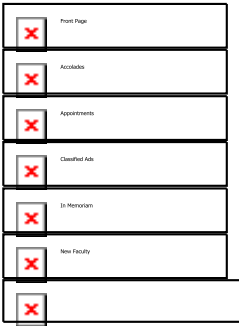
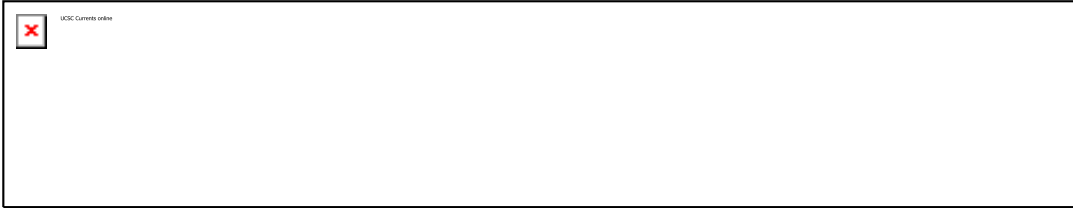


VE Art Lee, WF6P ragchews with Steve Petersen, AC6P as he dismantles the HF beam.



The VHF tent and satellite antennas. The two generators used for emergency power are behind the VHF tent about 30 feet away near the jogging track. They can be seen with X-ray vision (nobody thought to photograph them, but they are there).

Media Publicity: The following article was published in the local campus online newsletter; it can be accessed at: <http://www.ucsc.edu/currents> and looking in the Archives.



June 19, 2002

Ham radio operators at UCSC will be 'talking to the world' on June 22-23

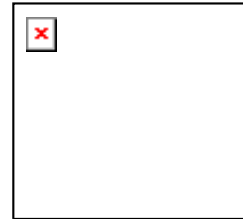
If you've ever wondered how people might communicate in a national emergency--with no power system and no telephones--you might want to stop by the East Field this weekend.

The UCSC [student branch](#) of the Institute of Electrical and Electronics Engineers Inc. will be participating in Field Day, a three-day nationwide exercise and contest for ham radio operators organized annually by the national amateur radio organization, the [American Radio Relay League](#).

Field Day got its start as emergency preparedness training back in 1933, and continues to play a role in emergency communications. During Field Day, participants operate one or more amateur radio stations from a field location--such as from tents using generator power and portable equipment--to simulate emergency operation.

"It's a good thing to be involved in. I think a lot of the hams are involved in it so they can spring into action in an emergency," said Alexandra Carey, one of the student organizers. Carey said most of the students on the UCSC team are computer science or computer engineering majors.

Lecturer Steve Petersen, the IEEE student chapter adviser, is providing expertise in running field days and in providing equipment such as radios and generators, calling on his



Field Day is a national ham radio event organized by the American Radio Relay League.

years of experience with the San Jose State Amateur Radio Club.

Organizers also found a strong supporter in Electrical Engineering Department chair John Vesecky--also a longtime ham radio operator.

"We hope that this event will become an annual tradition at UCSC, bringing together faculty, staff, students, alumni, and the Santa Cruz community for a weekend of talking to the world," said Robert L. Vitale, electrical engineer and laboratory manager at Baskin Engineering.

UCSC's team--including faculty, staff and students--will set up at sundown Friday, June 21, in UCSC's East Field and camp out overnight. In addition to a few tents, the site will sprout some large antennas for the occasion. "It'll be a little bit obvious," said Carey.

Members of the campus community are invited to stop by, from 11 a.m. Saturday, June 22, to 11 a.m. Sunday, June 23, to learn more about ham radio. Those interested in helping out in the high-frequency tent may [e-mail](#) the group. Also, a last-minute ham radio exam has been arranged for 6 p.m. Friday, June 21, in Baskin Engineering Room 330. More information is available from the [IEEE chapter](#).

While Field Day is geared toward emergency preparedness, scoring is also involved. Individuals or teams receive points for every contact made--one point for voice and two points for Morse code. Bonus points will also be assigned for such things as using 100 percent emergency power, and alternate forms of communication.

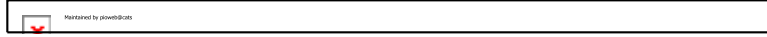
Carey said the IEEE group at UCSC will be transmitting with 150 watts. The UCSC station will be communicating with other Field Day exercises in Santa Cruz and nearby areas, as well as across the state and nation.

"I have no idea what to expect," she said of the team's likely contacts. "I'm assuming it will just be up and down the coast," said Carey, who has passed her technician-class operator's test and the Morse code test.

While the Morse code test is no longer required of ham operators, Carey enjoyed learning Morse code. "It's a connection to history," she said.

Email [this](#) story to a friend

[Return to Front Page](#)



W1AW Field Day Message: Copied on Saturday, 6/22/02 1700PDT CW

W1AW QST QST QST DE W1AW W1AW W1AW
SPCL CW V FOLLOW SPCL CW 4 FOLLOWS
QST SR SPCL CWF FROM ARRL HW NEWINGTON CT

JUNE 21, 2002 TO ALL RADIO AMATEURS

BT

FIELD DAY 2002 BRINGS EXCITING CHANGES TO WHAT IS TRADITIONALLY ONE OF THE MOST POPULAR ON THE AIR OPERATING EVENTS. THE ARRL WELCOMED THE PARTICIPATION OF AMATEURS ACROSS IARU REGION 2, NOW ELIGIBLE TO SUBMIT ENTRIES FOR THE FIRST TIME. WE ENCOURAGE US AND CANADIAN OPERATORS TO LISTEN FOR DX STATIONS THAT ARE PARTICIPATING

BT

A KEY TOTAL OF FIELD DAY IS HIGH LOG SCORES BY THE ADDITION OF THE GOTA STATION

AS

Site Visited by invited officials:

07/22/2002 17:00

8314595333

ADVISING

PAGE 01/01

Robert L. Vitale, PE
KG6MBS
19150 El Cerrito Way
Aromas, CA 95004

Monday, July 22, 2002

ARRL Awards Committee

Subject: Site Visit by Invited Officials, Certification
UCSC IEEE Student Branch Field Day 2002

This memorandum certifies that I provided a verbal initiation to our local fire department (University of California, Santa Cruz Fire Dept) to visit the UCSC IEEE Student Chapter ARRL Field Day site. Several members of the Fire Department did visit and are recorded as #31 & #32 in the guest log book.

Sincerely,



Robert L. Vitale, PE
KG6MBS
Lab Manger & Electrical Engineer
School of Engineering
University of California, Santa Cruz
rvitale@soe.ucsc.edu

NNNN
