

# ARRL 2001 Southwestern Division Convention

## Greetings from IECARO



On behalf of the 15 member organizations of IECARO, I would like to welcome you to this year's convention. Our focus has been on presenting programs of interest to most hams, namely Satellites, QRP, DX and Public Service. We hope you find the overall selection of programs both interesting and thought provoking.

Our Luncheon, Banquet and DX Breakfast speakers all have great presentations, and we have included a nice variety of Non-Ham Programs for those who are not radioactive.

IECARO's objectives are a) to provide a forum for networking by all members wherein each benefits from the experiences of the others, b) to develop consensus on current issues before the Amateur Community, c) to promote membership in the ARRL, and d) to promote Amateur Radio for the benefit of all licensed Amateur Radio Operators. Our service area is Riverside, San Bernardino and Inyo counties.

73,  
Don Williams, KD6UVT  
Chairman, Inland Empire Council of Amateur Radio Organizations

Mon.—Fri. 9:00 AM to 6 PM      Tel: (714) 521-8080  
Sat. 9:00 AM to 5:00 PM      Fax: (714) 521-8920

*"Since 1956"*

### **FORD ELECTRONICS, INC**

Electronic Parts Distributor  
Wholesale Industrial Commercial  
Network Equipment

8431 Commonwealth Ave., Buena Park, CA 90621-2527  
Email: sales@fordel.com

# 2002 ARRL Southwestern Division Convention August 16-18, 2002

**DX Breakfast  
Ladies Programs  
Youth Forums  
Grand Banquet  
Hospitality Suite  
Wouff Hong  
Exhibits  
Ham Station**

**Early Bird ONLY \$9.**

*Includes Free Logo  
Pin*

**Similar to one Shown**

**Pre-Registration \$12.50  
+ \$3.00 for a Logo Pin  
(If Pins Still Available)**

**VEC Licensing  
Flea Market  
T-Hunt  
Technical Forums  
Emergency  
Vehicles  
DXCC Checking**



**Online Registra-  
tion**

**Payment Via PAY  
PAL™  
[http://sd2002.  
hamcon.net](http://sd2002.hamcon.net)**

**On Site Registration \$15.00  
+ \$3.00 for a Logo Pin  
(If Pins Still Available)**

**To Be Held At:  
The California Center for the Performing Arts  
Escondido  
<http://www.artcenter.org/ccae.htm>  
Escondido, California**

**PRESENTED by SANDARC, Inc.  
San Diego County Amateur Radio Council  
<http://www.sandarc.org>**

## It's Time for You to say *Thank You* to the Southwestern Division Director

W6WZO has decided not to run for re-election as the Director of the ARRL Southwestern Division.

Just for the record, Fried was first elected as Vice Director in 1983, and in January 1984, became our Director on the occasion of Jay Holliday, W6EJJ, being elected as ARRL Vice President.

Fried Heyn has served the amateurs in the Southwestern Division for 18 years, and it is entirely probable that he is the most well-known amateur in all of southern California and Arizona.

One obvious reason for his recognition is his dedication to attending club meetings and talking with both ARRL members and non-members alike. While most hams go to 1 or 2 club meetings each month, Fried recently commented he and his XYL Sandy, WA6WZN, used to attend 2-3 meetings every week.

And, of course, they both probably hold the record for attending more Field Days than any other living person with the possible exception of Murphy. For years, they have toured Field Day sites—starting very early in the morning and visiting until very late at night.

Those who belong to the ARRL know that Directors are obliged to attend the ARRL Board Meetings which are usually held in Newington, CT. So this means WA6WZO has accumulated many, many "frequent flyer miles" over the years.

Fried Heyn has always put amateur radio first. He has kept the amateurs in our division informed of what the ARRL is doing to protect our frequencies, legislative challenges facing amateur radio, potential encroachment onto our frequencies by those interested in acquiring them, significant changes proposed by the FCC, new publications offered by the ARRL, the new courses being offered and planned by the ARRL, and on and on.

With all his activities on behalf of amateur radio, he somehow still managed to find time to respond to most every inquiry he received. And, he even managed time to find a spot on the DXCC Honor Roll.

This man has had a most positive effect on amateur radio in the Southwestern Division, and it's time for each of us to say *Thank You*. This is the very last Southwestern Division Convention WA6WZO will attend as its Director, so when you see Fried during the convention, please take the opportunity to shake his hand and tell him how much you value his having been our ARRL Director for so many years.

And, if you're not an ARRL member, shake Fried's hand anyway. After all, his efforts benefited you just as much as everyone else in the division.

---

We have been fortunate to have Art Goddard, W6XD, as our Vice Director for the past 10 years. You may already be aware that Art is running unopposed for election as our new Director.

W6XD just retired recently, so everyone knows he now has nothing but time on his hands. It sure looks like he has found a great place to apply his many talents.

We certainly will be pleased to have Art Goddard as our next Southwestern Division Director.

---

Two candidates are running for Vice Director: Tuck Miller, NZ6T, and Ned Stearns, AA7A. May the best man win.

## CONVENTION EVENTS

<b>Welcome by Fried Heyn, WA6WZO, SWD Director .....</b>	<b>4</b>
<b>ARRL Officials Attending .....</b>	<b>4</b>
<b>ARRL Satellite Workshop .....</b>	<b>5</b>
<b>ARRL Field Organization Meetings / Talk-In Station .....</b>	<b>6</b>
<b>Non-Ham Programs .....</b>	<b>7</b>
<b>Key Speakers .....</b>	<b>8</b>
<b>VE Testing / T-Hunt / Prizes .....</b>	<b>10</b>
<b>Meeting Rooms Floor Plan .....</b>	<b>11</b>
<b>Exhibit Hall Floor Plan .....</b>	<b>12</b>
<b>Exhibitors .....</b>	<b>13</b>
<b>Program Schedule .....</b>	<b>14</b>
<b>DXCC, WAS, VUCC Card Checking .....</b>	<b>19</b>
<b>Convention Movie Theater .....</b>	<b>19</b>
<b>Wouff Hong .....</b>	<b>20</b>
<b>How to Buy a Communications Trailer .....</b>	<b>20</b>
<b>Special Event Station, W1AW/6 .....</b>	<b>21</b>
<b>Thank You WA6WZO .....</b>	<b>22</b>
<b>Info 2002 ARRL Southwestern Division Convention .....</b>	<b>23</b>

## HERE ARE SOME GREAT BOOKS FOR YOUR KIDS (OR GRANDKIDS)!

These books highlight ham radio and are written to interest children in our wonderful hobby. Who knows? Maybe one of your kids will become a ham and help you tune a new antenna or even read the dial on your radio when you get old and gray!

**Stop by and take a peek at the books in our booth**

**Cindy Wall**

## ARRL Southwestern Division Director's Greeting



Welcome to the 2001 ARRL Southwestern Division Convention with the excitement and challenges of the new millennium! The Inland Empire Council of Amateur Radio Organizations (IECARO) has put together a great committee team. They have worked long and hard to bring you a program that has something for everyone. In addition to the committee volunteers, thanks go to the exhibitors and speakers for their excellent contributions. Most important, we thank you for your support and wish you the best in enjoying, discovering, and sharing, along with greeting old friends and making new ones.

This is a great time to share your thoughts and concerns in person with your League President, local elected division/section officials, and the two staff members from ARRL Headquarters. Please visit us at the League's booth as well as participate in the ARRL Forum. Your support for the future of Amateur Radio is of utmost importance! If you are not yet a member, consider joining us in the organization "of, by and for radio amateurs", the American Radio Relay League.

BCNU...73,  
Fried Heyn, WA6WZO

### ARRL Elected Officials:

Jim Haynie	W5JBP	President
Rod Stafford	W6ROD	Vice President, International Affairs
Fried Heyn	WA6WZO	Director, Southwestern Division
Jim Maxwell	W6CF	Director, Pacific Division
Art Goddard	W6XD	Vice Director, Southwestern Division
Cliff Hauser	KD6XH	Section Manager, Arizona
Phineas Icenbice	W6BF	Section Manager, Los Angeles
Joe Brown	W6UBQ	Section Manager, Orange
Tuck Miller	NZ6T	Section Manager, San Diego
Rob Griffin	K6YR	Section Manager, Santa Barbara

### ARRL Headquarters Staff:

Rosalie White	K1STO	Manger, Field and Educational. Services
Ed Hare	W1RFI	Supervisor, HQ Laboratory

# W1AW/6 SPECIAL EVENT STATION

We are fortunate in being able to use the ARRL Headquarters call sign for our Special Event Station. The ham shack is on the 12th floor of the Holiday Inn in Room 1228 and features some of the latest and greatest ham gear made available through the generosity of the major manufacturers. Our heartfelt thanks to Yaesu, Kenwood and Icom.

The station will be on the air (or be available for operation) from Noon on Friday, September 7th, until Noon on Sunday, September 9th (i.e. for the complete duration of the convention) with 4 HF stations on 10M, 15M, 20M, 40M and 80M operating on SSB and/or CW, plus one 2M FM station. Headsets, microphones and keyers will be at each operating position. Roof-mounted HF antennas are atop the 12-story Holiday Inn, and include a 3el 20M Beam, a 2el 15M Quad, a 2el 10M Quad, a 40M Dipole, an 80M Dipole, and a 2M J-Pole.

Computer logging uses NA as the logging program, but the computers are not connected to the radios so it will be up to each operator to update the band/mode in the computer whenever a band/mode change is made.

Operating the Special Event Station is available to all licensed amateurs attending the convention. Every operator is restricted to operating within his/her license privileges. In 1997, we had 45 operators over the convention weekend, and this year, we are fortunate in having three special guest operators: Jim Haynie, W5JBP (ARRL President); Rosalie White, K1STO (ARRL Staff – Public Service); and Ed Hare, W1RFI (ARRL Staff – Laboratory).

All operators will receive a commemorative certificate attesting to their operation of the Special Event Station (mailed after the convention). Commemorative T-Shirts will be available to all operators for a fee of \$10.00 (Sizes M, L, and XL. Supply may be limited).

## ***DON'T MISS THIS OPPORTUNITY TO OPERATE THE ARRL HEADQUARTERS' STATION***

## WOUFF HONG

The Royal Order of Wouff Hong is Amateur Radio's secret society whose goal is to promote good operating practices by hams. Membership is open to all licensed amateurs who are ARRL members. One can join this society by attending the solemn conclave to be held at midnight on Saturday, September 8, 2001. If you are a true ham, you will not want to miss this ceremony. We cannot tell you about it, because those who have been through this most solemn ceremony are sworn to secrecy. The only way to find out about it is to join us at midnight for a most exciting experience.

Tickets are limited for this solemn event, so be sure to sign up early at the Wouff Hong table near the main registration booth—to insure that you will not miss the unique program.

This is a popular ritual among the ham radio community, so please be prepared to line up at the door by 11:30 PM. Once the ceremony begins, the doors will be closed, and no one else will be admitted.

The \$2.00 tickets include the ceremony, a door prize, and a Certificate of Completion. Participants also receive a personal handshake from — be there to find out.

We look forward to seeing you there to welcome you into the only secret society in ham radio!

## How to Buy a Communications Trailer and have the Government Pay for It

There is a Communications Trailer parked on 5th Street in front of the Convention Center. It is from Hemet and was purchased by the government.

This program will outline how ECs and AECs can do the very same thing in their cities. From 1997 to 2001, the amount of funding obtained thus far is \$44,000.

This 27' trailer is a custom unit built by Wells Cargo and features a generator, four 850AH deep-cycle batteries, a solar panel, and interior lighting, as well as heat and air conditioning.

Radio equipment includes a lot of 2M, 220 MHz and 440 MHz gear, TNCs for packet, and a TS-440 HF radio for 80M. Much of the VHF gear is multi-band. Three laptop computers serve packet and message needs.

Attend this "show and tell" seminar, and find out how to really build your communications capabilities.



## 2001 ARRL SOUTHWESTERN DIVISION CONVENTION

### Satellites – What's Exciting, Today and Tomorrow! \*

Sponsored by AMSAT & ARRL Field & Educational Services Department

A fast-moving 5-hour workshop – all you need to get "on the birds" – all 16 ham radio satellites now in orbit, including:

Digital satellites that are bulletin boards (some with cameras) ... FM satellites you can work with an HT and hand-held antenna ... Low earth orbit SSB/CW "Easy Sats" on 2, 10 and 15 meters ... High altitude "DX" satellites such as AO-40 (P3D) and AO-10 ... Amateur Radio on the International Space Station.

You'll learn each satellite's equipment requirements (plus antennas, rotators, cable), how to be operational on AO-40, tracking satellites with your computer, operating protocol for each satellite, and where to get information from AMSAT, the ARRL and the worldwide web.

**WHO:** Instructors Steve Bible, N7HPR and Larry Brown, W7LB

Steve Bible, N7HPR, has been involved with satellite communications since 1988 starting with his first satellite QSO on AO-13. In 1994, Steve created the first Worldwide Web Amateur Satellite Ground Station where Internet users could access messages from UO-22, KO-23, and KO-25. He's authored the satellite information web pages on the AMSAT web site; these are also in the ARRL Satellite Anthology books. He designed the EasyTrak rotor/radio interface controller. Steve has many AMSAT posts: Area Coordinator, VP Education Liaison and is a member of AMSAT's Strategic Planning committee. He is VP of TAPR, a non-profit amateur radio research and development organization. He resides in Chandler, AZ and works for Microchip Technology, Inc. as a Principal Applications Engineer.

Larry Brown, W7LB, has been licensed since 1965 and first joined AMSAT in 1976. He finished his first satellite station in 1984 and became an AMSAT Area Coordinator in 1989. Larry assisted the P3D Digital Team primarily by leading the Error Detecting and Correcting (EDAC) Memory Module assembly team along with fabrication of the tantalum radiation shielding for P3D's digital modules. Current activities include running the Arizona 2M AMSAT net and promoting satellite operations at hamfests and club meetings. He is the alternate NCS for the 20M AMSAT International Information Net. His other major hobby is amateur astronomy. Larry lives in Tucson, AZ and works for Raytheon Missile Systems Company as a Principal Systems Engineer.

**WHEN:** Friday, 1:00 PM to 6:00 PM.

**WHERE:** La Sierra Room

**COST:** \$25 for pre-registered ARRL members, \$35 at the door. CEU credit, 0.5.

*\* This workshop is not included in your convention registration*

## ARRL FIELD ORGANIZATION MEETINGS

### Everyone is Welcome ... Members and Non-Members!

*This series of meetings is intended for: a) those holding the specific ARRL appointments, b) those interested in volunteering for these ARRL appointments, and c) those who simply want to know more about the positions in general.*

- WHEN:** Friday  
**WHERE:** La Sierra Room in the Convention Center  
**Noon:** NTS Forum (STMs, NMs, ORSs) - Santa Barbara SM, Rob Griffin, K6YR  
**1:00 PM:** Amateur Auxiliary (OOCs, OOs) - Los Angeles SM, Phineas Icenbice, W6BF  
**2:00 PM:** Technical Assistance (TCs, TSs) - Orange SM, Joe Brown, W6UBQ  
**3:00 PM:** PR/Communications (PICs, PIOs, BMs, OBSs, SGLs, LGLs) Arizona SM, Cliff Hauser, KD6XH  
**4:00 PM:** Public Service (SECs, DECs, ECs, AECs, ACCs) San Diego SM, Tuck Miller, NZ6T

ARRL President Jim Haynie, W5JBP; ARRL International Affairs VP Rod Stafford, W6ROD; Field & Educational Services Manager Rosalie White, K1STO; Lab Supervisor Ed Hare, W1RFI; local FCC Director Jim Zoulek; and California OES representatives will be present during a number of these sessions.

### Talk-In Station

We know you are already here at the convention, but if you have friends who need directions just give them one of the following 2M frequencies:

The Talk-In Station (W6IEC) will be using two local repeaters:

**W6JBT, located in Crestline, is on 146.85 MHz (-), no PL**

**W6TJ, located in Riverside, is on 146.88 MHz (-), PL = 146.2 Hz**

These frequencies will be monitored during the convention, and travel assistance will be available. The Talk-In Staff will be using the callsign W6IEC and will have both large area and local maps to help your friends find their way to the convention.

W6JBT is provided through the courtesy of the Citrus Belt ARC, W6TJ is provided through the courtesy of the Riverside County ARA, and the Talk-In Station W6IEC is the IECARO callsign.

**ARES/RACES**  
 Karl Cox, KE6CDI  
 Citrus Heritage Room

**The History of Morse Code**  
 Jim Maxwell, W6CF  
 University Room

**Los Angeles Marathon**  
 Scott Fraser, KN6F  
 University Room

**11:00 AM**  
**Final Prize Drawing**

**12:30—4:00 PM**  
**T-Hunt**  
 (see Page 10)

### DXCC, WAS, VUCC Card Checking

For the benefit of the deserving, you can have your DXCC cards checked, your WAS cards checked and your VUCC cards checked. Be sure to complete the requisite forms, which can be downloaded from the ARRL Web Site at [www.arrl.org/xxx/](http://www.arrl.org/xxx/) where xxx = dxcc, was or vucc. Plan to come early, since once there is no one waiting, the DXCC and/or WAS/VUCC checking will be concluded.

## JOIN THE ARRL

**The national association  
 for amateur radio  
 Why not do it today?**

## Convention Movie Theater

IECARO proudly presents an outstanding movie extravaganza for your viewing pleasure.

The theater will be in the East Foyer, is included with your admission to our Convention and is not part of any forum.

### Showtime's are Saturday:

**8:30—9:30 AM**  
**Clipperton Island 2000,**  
**The Official DXpedition Video**

**9:30—9:45 AM**  
**Intermission**

**9:45—10:15 AM**  
**Auroras**

A video explaining the cause of auroras, produced by University of Alaska and their Aurora Study

**10:15—10:30 AM**  
**Intermission**

**10:30 AM—12:30 PM**  
**Empire of the Air:**  
**The Men Who Made Radio**

**12:30—12:45 PM**  
**Intermission**

**12:45—1:45 PM**  
**The Science of Sound**  
**with Bob Heil, K9EID**



## TECHNICAL SEMINARS & ACTIVITIES

**7:00 PM (Saturday Cont.)**

**BANQUET** (see Page 8)  
**Sing a Song of SETI**  
Dr. H. Paul Shuch, N6TX  
Victoria Room

**9:00—??**

**QRP Open House**  
Bill, K6WHP  
La Sierra Room

**12:00 Midnight**

**Wouff Hong Ceremony**  
(see Page 20)  
Arlington Room  
The Royal Order of Wouff Hong Ceremony will be held this year at the usual midnight hour. This is a very popular ritual among ham radio enthusiasts, so be sure to sign up early due to limited availability of seating. Be there by 11:30 PM, because once the door is closed, no one else will be permitted to enter.

**SUNDAY—SEPTEMBER 9th**

**7:00—11:00 AM**

**Registration Open**

**8:00—10:00 AM**

**DX Breakfast** (see Page 9)  
**DXpedition to Kingman Reef**  
Ned Stearns, AA7A  
De Anza Room

**9:00 AM—12:00 Noon**

**Exhibit Hall Open**

**9:00—9:50 AM**

**American Red Cross**  
Cindy Hughes, KC6OPI  
University Room

**RDF Antenna Workshop**

Marvin Johnson, KE6HTS  
Citrus Heritage Room

**Mt. Baldy Runs**

John Davis, WB6ASH  
Aviator's Room

**Old Time Radio (Boat Anchors)**

James Pike, KB6WHT  
Arlington Room

**Tropo Ducting**

Gordon West, WB6NOA  
Magnolia Room

**10:00—10:50 AM**

**Antenna Modeling and Propagation Prediction**

Ed Hare, W1RFI  
Arlington Room

**QRP Kit Building**

Wayne Burdick, N6KR  
Eric Swartz, WA6HHQ  
La Sierra Room

**Disaster Preparedness for the Amateur Radio Operator: When Your Radio Brings NO HELP**

Howard Burkhart, KB6MYE  
University Room

## Non-Ham Programs

**Creative Stamping**

**8:30-9:20 AM, Saturday**

**University Room**

Dawn R. Johnson, from Positive Impressions (located near the Convention Center), will speak on creative stamping through the use of various rubber stamps and inks. This program describes an inexpensive and fun way to personalize greeting cards, announcements, personal stationery and similar items.

**Fruit Carving**

**9:30-10:20 AM, Saturday**

**University Room**

Duke Le, owner of Le Basil Restaurant in Redlands, will demonstrate fruit carving where many types of fruit are the materials for interesting center-pieces and displays. This program will stir the creative juices of those who host luncheons and dinners, and are seeking creative table decorations.

**Weaving**

**10:30-11:20 AM, Saturday**

**University Room**

Gail Marlow-Dickey, a longtime weaver, will demonstrate simple weaving techniques in her talk, "Snowflakes", where you will learn to create three dimensional snowflakes or stars. They can be used in windows or as bows, and they are great for party and Christmas decorations. Plan to bring scissors, tape, and a stapler so you don't have to share. Gail weaves shawls and other items on a floor loom and also does silk paintings.

**The Truth About Bottled Water**

**1:00-1:50 PM, Saturday**

**University Room**

Steven Mains, Western Municipal Water District, poses thoughts on your walks through any major grocery store in southern California, where you see shelf after shelf of bottled waters. Have you ever stopped to wonder WHY there are so many? What seems like a simple question leads to an interesting world of health concerns, costly advertising, cultural changes and general tomfoolery!

Steve has been collecting "water bottles" for more than ten years and has more than 100 bottles in his collection. With 25 years in the water business, he has many insights into the good and bad of both "city tap water" and the "bottled water" industries. He will discuss water quality standards, taste and what may and may not be good for you.

Steve holds a BA in Earth Sciences from California State University and has been with Western Municipal Water District since 1975. His major work includes monitoring water rights compliance within the Santa Ana River Watershed, gathering and analyzing groundwater and stream flow data, water quality and water conservation work. He was a leader in the development of Landscapes Southern California Style, Western's premier water conservation and education garden.

## Key Speakers

### Saturday Luncheon, Noon

**Randy Fear, KC6JTN, Senior Solar Observer at the Big Bear Solar Observatory**  
Program—*Big Bear Solar Observatory and the Dynamic Sun*



Randy Fear will present a "virtual tour" of the Big Bear Solar Observatory and explain how solar activity effects radio communications and our everyday lives. His work provides many insights into scientific questions in solar astronomy, nuclear physics and plasma physics, as well as providing techniques in the prediction of solar flares and other forms of solar activity which directly affects radio communications, electric power systems, safety of astronauts and the lifetimes of satellites in orbit. Randy is Senior Solar Observer and has been a solar observer since 1983 after graduating from James Madison University with a degree in Physics. He has been a ham since 1990 and holds an Extra Class license. He operates most of the digital modes on both VHF and HF. He is a member of SKYWARN, the San Bernardino County ECS, and is EC for the Big Bear Amateur Radio Club.

### Saturday Banquet, 7:00 PM

**H. Paul Shuch, N6TX, Executive Director of SETI**  
Program—*Sing a Song of SETI*



Dr. Shuch has been Executive Director of the SETI (Search for Extra-Terrestrial Intelligence) League since its inception in 1984. Licensed and active in amateur radio since 1961, Dr. Shuch has been active on all ham bands from 160 M to 24 GHz. His presentation will appeal to the ham and non-ham audience alike since much technical information is delivered in song. Just fifty years ago, most credible authorities maintained that humankind is alone among the stars. Today, the preponderance of scientific thinking holds that we are not. This presentation will explore pertinent cosmological evidence leading most scientists to envision a universe teeming with life. Strategies for SETI, the electromagnetic Search for Extra-Terrestrial Intelligence, will be discussed.

## TECHNICAL SEMINARS & ACTIVITIES

### Dealing with the Media: When a Reporter Comes to Your House

Bill Pasternak, WA6ITF  
Arlington Room

### Fun on the Waterfall Operating PSK-31

Barry Geipel, AD6HR  
La Sierra Room

### On the Trail to Adventure

Cynthia Wall, KA7ITT  
Magnolia South Room

### Using a High-Level Repeater for CHP Traffic

Bruce Nolte, N1BN  
John McCracken, N0LQ  
Aviator's Room

### WRTC 2000

David Bell, W6AQ  
Magnolia North Room

### Working Together When Disaster Strikes

Ted Schultz, N6RPG  
East Foyer

### 3:00-3:50 PM

**ARRL Card Checking: DXCC, WAS, VUCC** (see Page 19)  
University Room

### Outrageous Antennas that Work

Chip Margelli, K7JA  
Magnolia South Room

### Building a Web Site for Amateur Radio Groups

Michael Reagan, KK6WO  
Arlington Room

### Comoros Islands (D68C) DXpedition

John Kennon, N7CQQ  
Magnolia North Room

### Hamming in Hotel Rooms

Vern Wright, W6MMA  
La Sierra Room

### Introducing New Amateur Radio Communication Tools for Public Service Safety Disaster Support

Ray Grimes, W6RYS  
Aviator's Room

### Transmitter Hunting in 2001: More Fun than Ever

Joe Moell, K0OV  
Citrus Heritage Room

### 4:00—5:00 PM

**ARRL Forum**  
Fried Heyn, WA6WZO  
Arlington Room

### 5:00 PM

**Exhibits Close**

### 6:00PM—7:00 PM

**Attitude Adjustment (no-Host Bar)**  
Victoria Room



## TECHNICAL SEMINARS & ACTIVITIES

**10:30—11:20 (Saturday Cont.)**

**Advancing the ATV Art**

Mike Collis, WA6SVT  
Citrus Heritage Room

**High Performance Receiver Design**

Wayne Burdick, N6KR  
Eric Swartz, WA6HHQ  
La Sierra Room

**Rover Antennas for Your SUV**

Spud Monahan, K6KH  
Magnolia North Room

**SKYWARN**

Ed Clark  
Arlington Room

**The Practical Side of Antennas**

Tom Schiller, N6BT  
Magnolia South Room

**Why Some Hospitals (and Other Agencies) Don't Want Hams and What to do About It**

April Moell, WA6OPS  
Aviator's Room

**11:30 AM—1:00 PM**

**LUNCHEON** (see Page 8)

**Big Bear Solar Observatory and the Dynamic Sun**

Randy Fear, KC6JTN  
De Anza Room

**1:00—1:50 PM**

**J-Pole Antennas**

James Pike, KB6WHT  
Magnolia South Room

**Public Service—**

**Ham Radio in the Rough**

John Minger, AC6VV  
Aviator's Room

**Reverse RFI—Interference to Amateur Radio Equipment**

Ed Hare, W1RFI  
La Sierra Room

**Search For Extra-Terrestrial Intelligence; Why Hams May be First to Contact ET (see Page 9)**

Art Goddard, W6XD  
Magnolia North Room

**Slow-Scan Television, Not the Boob Tube**

Paul Passmore, N6DBI  
Bob Diaz, KQ6WQ  
Citrus Heritage Room

**The 10-10 Net and What's New**

Chuck Imsande, W6YLJ  
Arlington Room

**2:00—2:50 PM**

**Buying a FREE Communications Trailer**

(see Page 20)  
David Kropp, N6PLV  
Ted Hudson, KQ6U  
Front Lobby

**APRS and Packet for Rose Parade Floats**

Allen Hubbard, N6VTX  
Citrus Heritage Room

## Sunday DX Breakfast, 8:00 AM

**Ned Stearns, AA7A**

**Program—DXpedition to Kingman Reef**



Ned Stearns was one of the 15-member team storming the rare and uninhabited DXCC entity of Kingman Reef in October 2000, and operated K5K with 7-stations on a reef with less usable area than your back yard. The team made 80,000+ QSOs on most bands and most modes. Ned will provide the sights and sounds of the Kingman Reef 2000 operation in a multi-media presentation that has been shown at the Visalia International DX Convention, Dayton, Friedrichshafen and numerous other conventions and clubs around the world. Ned has been a ham for 30 years and is

active in HF/VHF contesting, HF/VHF DXing, weak signal VHF, satellites, RTTY, 2M EME and weather satellite imaging. He holds DXCC Honor Roll for Phone/Mixed/CW, DXCC for 160M and Satellite, 5B-WAZ and VUCC on 2M and 6M. Ned is Chairman of the ARRL Contest Advisory Committee (CAC). In addition to operating, he designs and builds antennas, amplifiers, and station integration / computer controlled equipment. His other DXpeditions include AA7A/VP2A ('79), 3B9R ('99), T32R ('00) and AA7A/KH5 ('00). Ned has been with Motorola in Scottsdale, AZ for 27 years as an Electrical Systems Engineer.

---

### The Search for Extraterrestrial Intelligence (SETI) Another First for Amateur Radio? (see Page 16)

Could there be intelligent life elsewhere in the universe? Is it possible to pick up radio signals from extra-terrestrials using ham radio? Could you be the first earthling to receive such signals? Art Goddard, W6XD, will explore the unanswered questions and discuss how Radio Amateurs are participating in SETI. Tune in to this program and learn about the possibilities.



Art Goddard, W6XD, earned his novice Amateur Radio license in 1956. He worked his way up through the ranks to Extra class. His radio activities include HF/VHF, DX, contests, satellites and digital communications. He has traveled in numerous foreign countries. Equipped with his camera, Art captures the DXpedition spirit to share with fellow amateurs at club meetings and conventions.

Art is a life member of ARRL, currently serving as Vice Director of the Southwestern Division. He is actively involved in representing and promoting Amateur Radio throughout the region. Professionally, he is a consultant in electronics systems, retired from Boeing (formerly Collins Radio and Rockwell International). Art and his wife, Mary Ellen, live in Costa Mesa, CA.

## VE Test Session

**Ready to upgrade?**

**Examinations for all license classes, including 5 WPM code.**

**You must have the items listed below.**

**When:**

Saturday, Registration at 8:00 AM  
Theory and Code Exams at 9:15 AM

**Where:**

Holiday Inn—Regency Room.

**What you need:**

Photo ID  
Pencil and pen  
Your original license and a copy  
Any CSCEs you wish to submit  
and a copy of each one  
ARRL \$10.00 test fee

All necessary forms will be provided at the test session.

---

### Prizes

Prizes will be awarded at Forums, Programs and Events during the convention, including the Luncheon, Banquet and DX-Breakfast. Grand Prize drawing 11 AM Sunday

The total value is worth more than a bucket of green stamps. Check the prize board regularly to see if your ticket is a winner.

**Thanks to all those who donated prizes.**

## T-Hunt

**When:** Sunday, 12:00 Noon

**Where:** Parking lot northwest of the Convention Center.

**What:** Three hidden Ts

**Prizes:**

The first hunter or team of hunters to find all three Ts and return to the starting point with proof of finding all three, wins the first prize of \$50.00 cash.

The second hunter or team of hunters to find all three Ts and return to the starting point with proof of finding all three, wins the second prize of \$20.00 cash.

The third hunter or team of hunters to find all three Ts and return to the starting point with proof of finding all three, wins the third prize of \$10.00 cash.

**Hunt Area:** A perimeter will be announced at the beginning of the hunt. All hidden transmitters will be on the same 2 meter frequency.

**Finish Time:** The hunt will end at 4:00 PM.

*There once was a T, I know not where.  
I'm sure I'll find it, I'll even play fair.*

## TECHNICAL SEMINARS & ACTIVITIES

**Mobile HF Threaded-Whips**

Gordon West, WB6NOA  
Arlington Room

**Roving and VHF/UHF Contesting**

Fred Montgomery, K6FZY  
Jon Montgomery, K6FZZ  
Citrus Heritage Room

**What it Takes to Get Kids Excited Enough to Fight to Get into Class, Rather than Out**

Joseph Fairclough, WB2JKJ  
Aviator's Room

**8:45—9:20 AM**

**Building Simple Baluns that Work**

Jim Duffey, KK6MC/5  
La Sierra Room

**9:00 AM—5:00 PM**

**Exhibits Open**

**9:15 AM**

**VE Test Session** (see Page 10)  
Holiday Inn

**9:30—10:20 AM**

**Fruit Carving**

(Non-Ham, see Page 7)  
Duke Le  
University Room

**Battery Care, How to Choose the Right Charging System**

Robert Syms, KO6ZL  
Magnolia South Room

**DXpedition to East Timor and**

**Fernando de Noronha**

Dennis Motschenbacher, K7BV  
Magnolia North Room

**Manhattan Construction and the MH 101 Project**

Chuck Adams, K7QO  
La Sierra Room

**OES Telecommunications: Meeting the Challenge of the 21st Century**

Ben Green, WD8CZP  
Aviator's Room

**So You are Interested in**

**Amateur Television**

Mike Collis, WA6SVT  
Citrus Heritage Room

**Teaching College Electronics with an Amateur Transceiver**

Dr. David Rutledge, KN6EK  
Arlington Room

**10:00—11:00 AM**

**Buying a FREE**

**Communications Trailer**

(see Page 20)  
David Kropp, N6PLV  
Ted Hudson, KQ6U  
Front Lobby

**10:30—11:20 AM**

**Snowflakes**

(Non-Ham, see Page 7)  
Gail Marlow-Dickey  
University Room

## TECHNICAL SEMINARS & ACTIVITIES

### FRIDAY—SEPTEMBER 7th

**11:00 AM—8:00 PM**  
**Registration Open**

**12:00 Noon—12:55 PM**  
**NTS Forum**  
 Rob Griffin, K6YR  
 La Sierra Room

**1:00—6:00 PM**  
**Satellite Workshop, What's Exciting, Today and Tomorrow!**  
 (see Page 5)  
 Steve Bible, N7HPR  
 Larry Brown, W7LB  
 Arlington Room

**1:00—1:55 PM**  
**Amateur Auxiliary**  
 Phineas Icenbice, W6BF  
 La Sierra Room

**2:00—2:55 PM**  
**Technical Assistance**  
 Joe Brown, W6UBQ  
 La Sierra Room

**3:00—3:55 PM**  
**Public Relations/Communications**  
 Cliff Hauser, KD6XH  
 La Sierra Room

**4:00 PM**  
**Keynote Address**  
 Jim Haynie, W5JBP  
 Magnolia Room

**4:00—4:55 PM**  
**Public Service**  
 Tuck Miller, NZ6T  
 La Sierra Room

**5:00—8:00 PM**  
**Exhibits Open**

**6:00—7:00 PM**  
**HF Spectrum Issues**  
 Rod Stafford, W6ROD  
 Magnolia Room

**8:00 PM**  
**Exhibits close**

### SATURDAY—SEPTEMBER 8th

**8:00 AM—5:00 PM**  
**Registration Open**

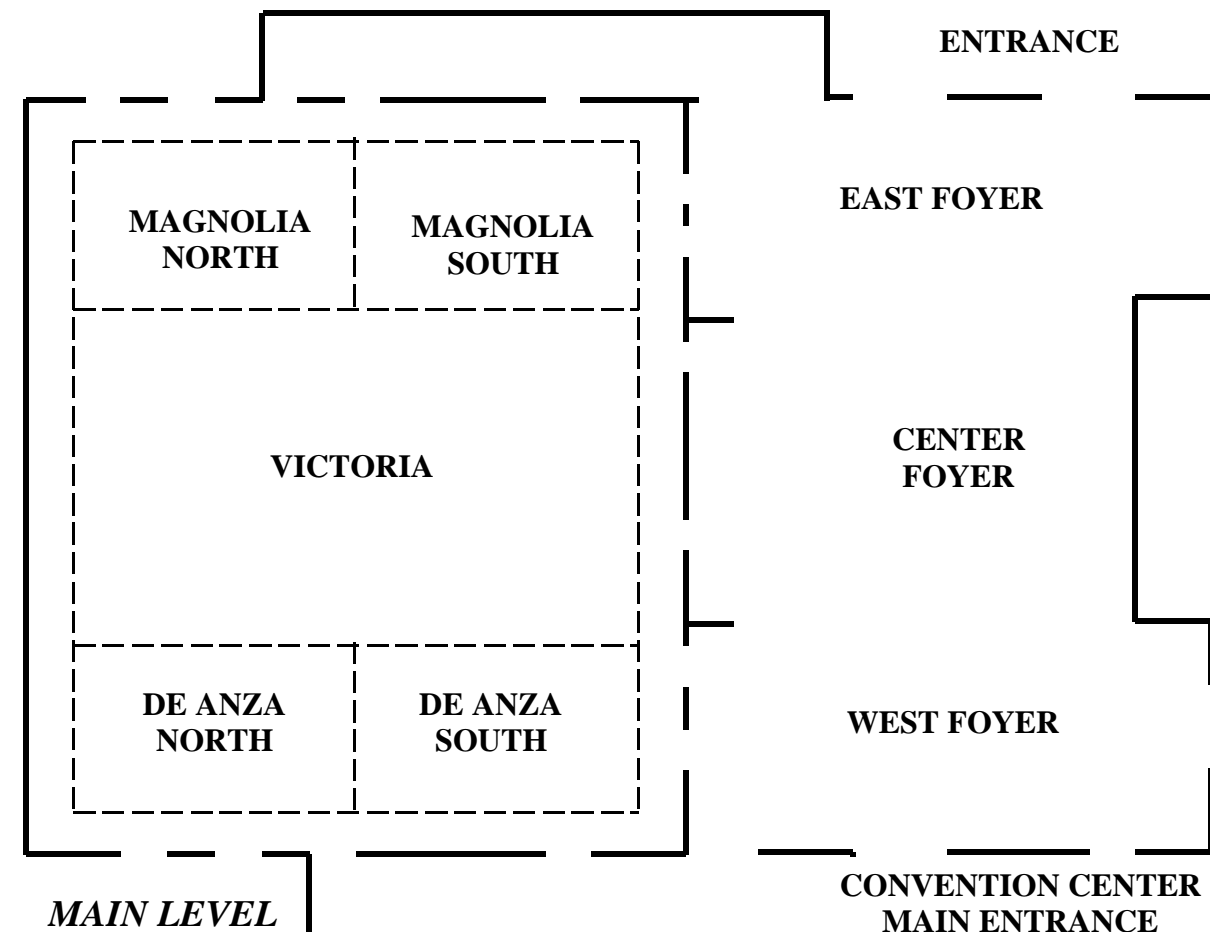
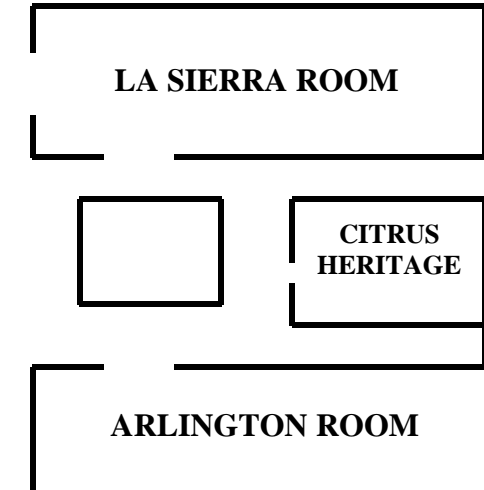
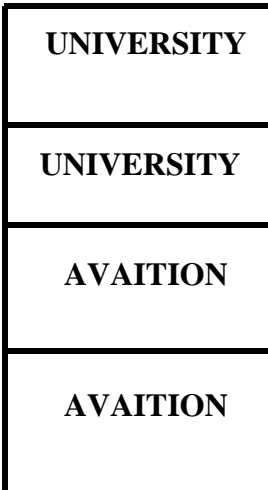
**8:30—8:45 AM**  
**QRP—Putting Fun Back in Ham Radio**  
 Doug Hendricks, KI6DS  
 La Sierra Room

**8:30—9:20 AM**  
**Creative Stamping**  
 (Non-Ham, see Page 7)  
 Dawn R. Johnson  
 University Room

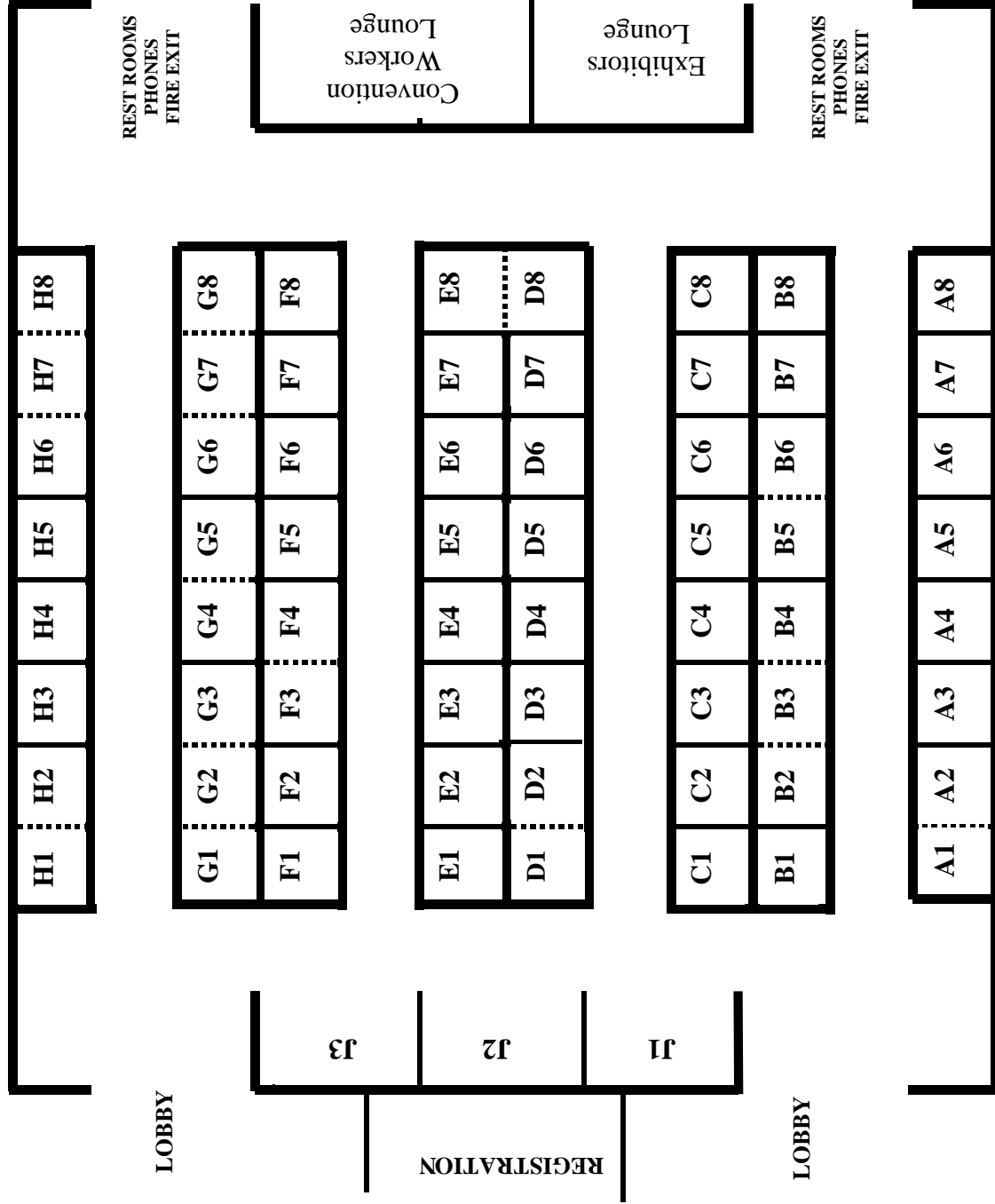
**Antennas, Feedlines, Grounds, SWR and Other Mystical Creatures**  
 Ed Hare, W1RFI  
 Magnolia South Room

**DX for Everyone**  
 Carl Gardenias, WU6D  
 Magnolia North Room

### *MEZANINE LEVEL*



### *MAIN LEVEL*



### EXHIBITORS BOOTH LOCATIONS

IECARO is pleased to acknowledge the vendors and manufacturers exhibiting at the 2001 ARRL SW Division Convention and those who have generously provided prizes in support of the convention.

**EXHIBITORS**  
 10-10 International  
 AA6EE - Callbook Distributor  
 AEA  
 Amateur Radio Trader  
 Am-Com Amateur Radio Sales  
 Amateur TV Network  
 Amidon, Inc.  
 AMSAT  
 AVENTRADE  
 ARRL  
 Army MARS  
 Battery Tech  
 Books, Etc.  
 Cindy Wall  
 Citrus Belt ARC  
 Club Corner  
 Eyeball QSO  
 Elecraft  
 Force 12 Antennas  
 Gordon West Radio School  
 Ham Radio Outlet  
 High Sierra Antennas  
 ICOM America Inc.  
 Inland Empire ARC  
 James Poles

**BOOTH**  
 F5  
 A4  
 E4  
 E5  
 H6, H7, H8  
 C8  
 F2  
 A7  
 C4  
 J1  
 F6  
 D8,E8  
 G6,G7,G8  
 E1  
 C7  
 D3  
 F8  
 H5  
 E3  
 B1  
 A1,A2  
 A3  
 D1,D2  
 E6  
 A5

**EXHIBITORS**  
 Jun's Electronics  
 Kenwood Communications  
 Ladies ARA of Orange County  
 Maha Comm. & Electronics, Inc.  
 NiCd Lady  
 Nott Ltd.  
 Orange County RACES  
 Product Park  
 Prize Booth  
 Pryme Radio Products  
 QCWA  
 QSL Bureau, 6th District  
 RadioClub of Junior High School 22  
 Radio Shack  
 RRSVP Silk Screening  
 SANDARC  
 SATERN/Salvation Army  
 SCADS/ASWLC (swl)  
 SkyWarn  
 Smiley Antenna Co.  
 Southern California DX Club  
 Startek International Inc.  
 Wireman  
 World Radio  
 Yaesu USA

**BOOTH**  
 H1,H2  
 G1,G2,G3  
 F7  
 B5,B6  
 G4,G5  
 F1  
 B7  
 D6  
 J2  
 F3,F4  
 A8  
 B8  
 C3  
 C5  
 E2  
 J3  
 D4  
 D7  
 E7  
 H4  
 C2  
 C1  
 H3  
 D5  
 B2,B3,B4