



HANK'S SWAP SHOP

Greg Cowles KE6FXK 252 Hutchins Ave.
Phone: 829-1583 Sebastopol, CA 95472
Non-commercial ham ads printed free. Please call when item is sold. Ads run 2 months.

For Sale Items:

Icom 211 2m all mode base/mobile \$350.00
Kelly KD6CJQ @ 837-9434

2M Motorola Amplifiers, solid state w/wiring
& mount. 60w output. \$85.00
Steve AC6FR @ 664-8199

Ten Tec Scout w/noise blanker, mic, mobile
bracket, 75m, 40m, 20m, 15m, 10m module
\$450.00

Joe K6UKB @ 526-7731

Kenwood TS530SP w/manual, desk mic, MFJ
407B keyer, chrome Bencher Iombic paddle.
\$550.00/b.o.

Greg KO6OG @ 769-0468

Swan 350 HF transceiver, 80-10m \$150.00
Claude AB6OL @ 527-8593

Wanted:

National NCX-3 for parts & a manual
Robert WA6WXX @ 528-6869

Anything in 220 or 440 transceivers.
Ken N6MHG @ 539-2701

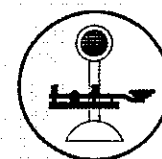
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PO Box 116
Santa Rosa, CA 95402



Club Station
W6LFJ

SHORT SKIP

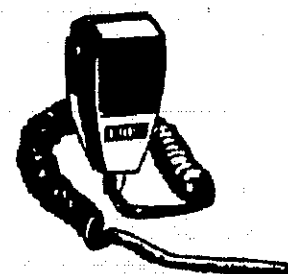


Sonoma County Radio Amateurs, Inc.
PO Box 116, Santa Rosa, CA 95402

Repeater Station
WB6PVS

Volume 20 #10

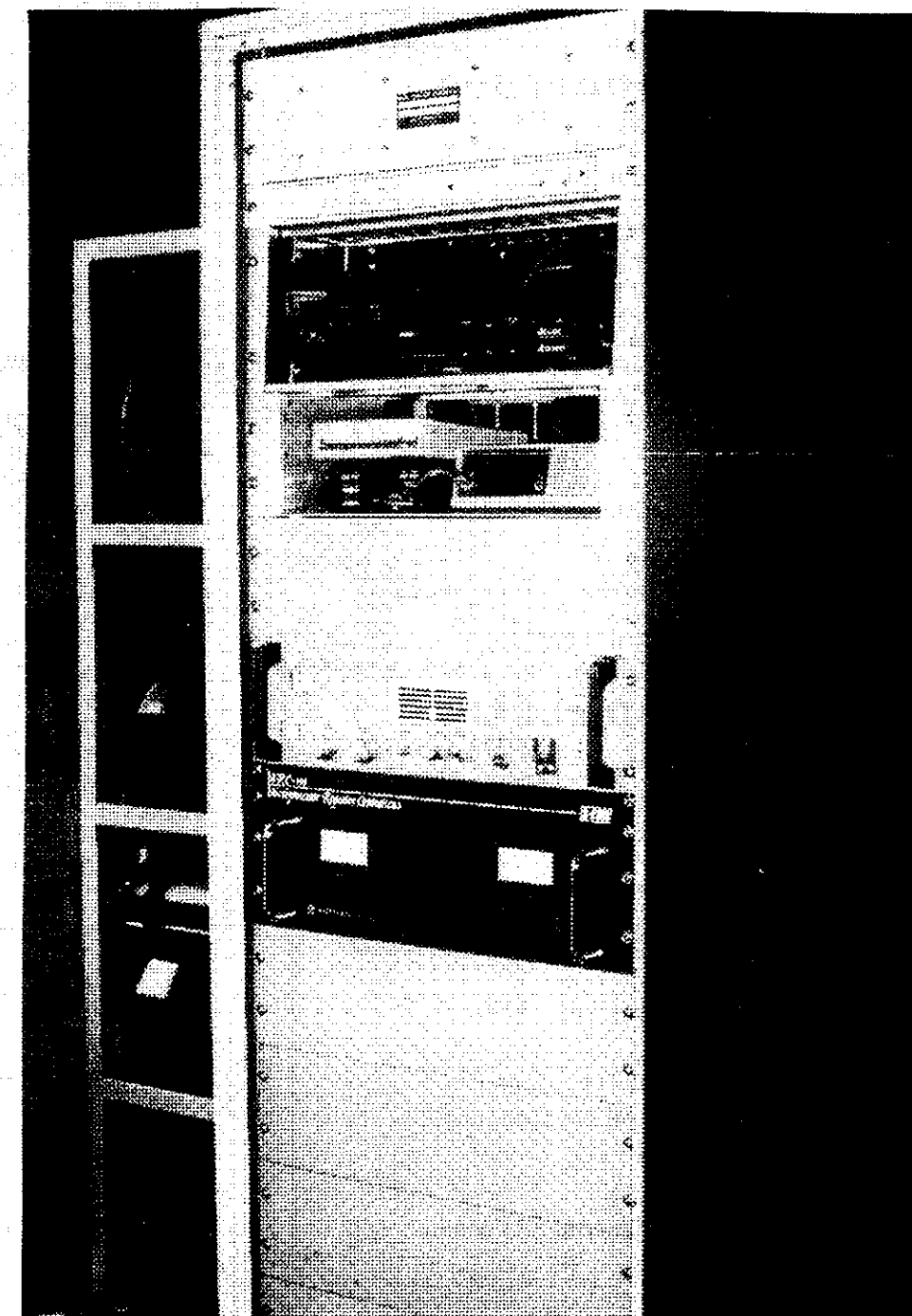
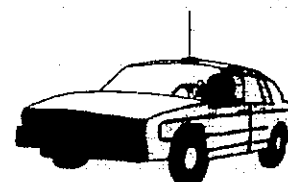
October 1995

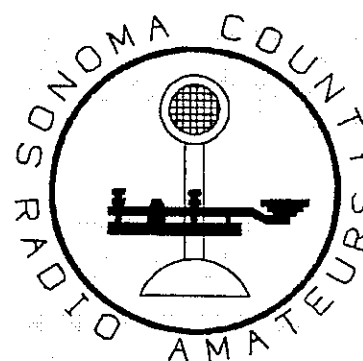


New SCRA Repeaters

Voice
224.48 MHz & 441.375 MHz

Digipeaters
144.91 MHz & 223.60 MHz





-----OFFICERS FOR 1995-----

PRESIDENT:	Kelly Cureton	KD6CJQ	837-9434
VICE PRESIDENT	Dave New	AA6YX	829-6608
SECRETARY:	Alan Bloom	N1AL	538-7115
TREASURER:	Angela Dickey	KC6OCD	586-9092
MEMBERS-AT-LARGE:	Jim Andrews	KC6PJW	795-2163
	Marie Mappus	K16QY	664-1978
REPEATER CHAIRMAN:	Jim Rutherford	WB6PER	526-2972
ACTIVITIES CHAIR:	Joel Nadler	KJ6LF	545-1782

-----SHORT SKIP STAFF-----

EDITOR:	Claude Jones	AB6OL	527-8593
	3612 Banyan Street, Santa Rosa, CA 95403-1557 (E-mail ab6ol@aol.com)		
ASSOCIATE EDITOR	Shirley Jones	KD6PKA	
SWAP SHOP EDITOR:	Greg Cowles	KE6FXK	829-1583
CIRCULATION:	June Linnehan	KD6LSU	
	BBS: Donn King	KD6ZVG	

AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Bob Phillips N6RMW

Activities Committee

Pub. Service: Marie Mappus K16QY 664-1978
 Pub. Relations: Steve Carniglia KK6VY 579-9608
 QSL Mgr: Fred Leoni N6YEU 431-8202
 TVI/RFI: Al Bloom N1AL 538-7115
 Antennas: Joe Senft KM6TN 578-5824
 John KM6LI, Shep NH6ZY, Alan N1AL
 Awards: Steve Lund WA8LLY 823-4544
 VEC Exams: Claude Jones AB6OL 527-8593

N1AL, WX3K, WW6D, AC6ET, WB6FRZ,
 N6PHP, AB6XR, KK6XT, AA6YX, KC7VS
 WA8LLY, AC6FR, KK6VY
 Education: Steve Carniglia KK6VY 579-9608
 N1AL, WB6FRZ, KC6RHA, KK6VY, K6XT
 WB6TMY, K6ZWB, KC7VS

Refreshments at meetings: Jim Hudson KD6WIS
 Field Day: Steve Carniglia KK6VY 579-9608
 Raffle at meetings: Greg KE6FXK & Rick K6ZWB
 Membership lottery: James Cureton KC6GSF
 RACES RO: Jim Pelmulder N6PTM 823-7947
 Badge Chair: Fred Leoni N6YEU 431-8202
 Packet BBS: Jim KC6PJW and Dave KD6KWM

Repeater Control Op's

WB6PER Jim 526-2972 N6PTM Jim 823-7947
 WD6CKP Hoppy 542-6750 N6VUC Merl 584-3898
 KC6CJQ Kelly 837-9434 N6MHG Ken 539-2901
 KK6VY Steve 579-9608

SHORT SKIP ADVERTISING RATES

Business Cards: \$10

\$11 First 1/4 Column
 \$3 Additional 1/4 Columns
 (\$32 Full Page, 1 side)

Pre-printed inserts: \$32/sheet

Guaranteed circulation: 200/month

Club Meetings

7:30 pm, 1st Wednesday each month at the Hewlett-Packard plant in Santa Rosa. (See map below)
 All are welcome.

Next Meeting: October 4, 1995

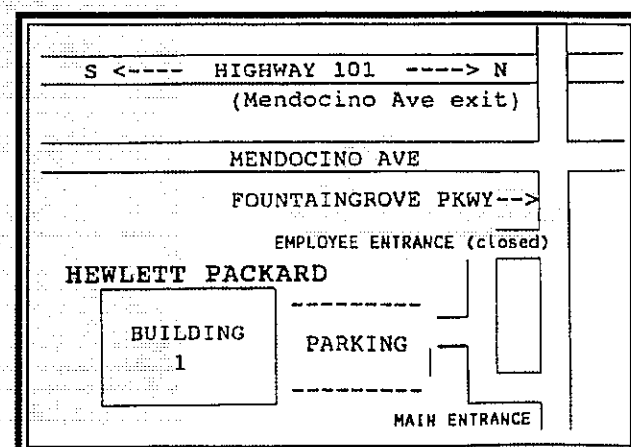
Program: "Wall Hangings"

Awards & QSL Cards

ARE YOU NOT AN SCRA MEMBER?

If so, then this is a complimentary copy. Our club is involved with almost every area of Amateur Radio: Repeaters (13/73), Field Day, License classes (Novice through Extra), Volunteer exams, RACES, DX programs, Packet radio, Hidden transmitter hunts -- you name it.

We invite you to attend our next monthly meeting (see below) or check into the Tuesday night SCARS net on the 146.13/73 repeater at 7PM. You will hear the latest Amateur Radio Newsline broadcasts, announcements of SCRA activities and a Swap Shop. Membership in SCRA is open to anyone interested in Amateur Radio. If you would like to join, there is a membership application on page 11. Hope we can have an "eyeball" QSO with you at the next meeting! 73 ...



(Board Minutes continued)

opportunity to place the Repco repeater on English Hill in Sebastopol, but that will require \$900 in new equipment. All Sonoma Mt. repeaters must combine into one antenna within a year, and that will cost \$3000-5000. The Marin ARC, Diablo RC, and 4-C's all charge \$25 a year dues. For all these reasons, we should raise our dues next year.

The **QSL CARD CONTEST** next month will have prize awards. AA6YX is authorized to spend up to \$50 for ARRL books. m/s KJ6LF/N1AL

The **TWO ROCK STATION** at the Coast Guard Training Center works great. Dave and Al had fun being on the receiving end of pileups one recent Saturday during the ARRL "126" operating event. Big antennas and linears make a difference!

\$1500 was disbursed last year to WB6PER for repeater purchases.

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KJ6LF feels the receipts should be submitted as the money is spent. Jim will bring them next board meeting.

Kelly says there is \$700 left in the checkbook, but there are many deposits awaiting the Treasurer's return. And of course the Flea Market will bring in a large sum. The spectrum analyzer recently donated by HP will be kept at Kelly's house.

BADGES: Fred N6YEU would like to mail out a batch of unclaimed badges. Cost is about \$.50 per badge. The board felt that badges should just be mailed out routinely to avoid the hassle of handling the accumulation.

The meeting adjourned at 6:56 PM.

Respectfully submitted by Secretary Al Bloom N1AL.

Hams! Would you like a house to go with that antenna?

If you're thinking of buying, think of
A Home For Less
 and David Houghton, KC6LSN

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Application for Membership in SCRA

Name _____ Callsign _____ License Class _____

Address _____ Phone # _____ () New

ZIP _____ Date _____ () Renewal

SCRA dues: \$12/year, \$18/year family. New members also pay \$6/person initiation fee. Dues for new members only are pro-rated \$1 (\$1.50 family) per month, starting at renewal time, March 1.

ARRL dues: \$25/year, \$20 over 65 with proof of age. (Under 17 rates require application form). Make checks payable to **SCRA**.

I WOULD LIKE TO PARTICIPATE IN:

- () Public Service Events
 () RACES or ARES Emergency services
 () Field day, other operating events
 () Helping with SCRA Flea Market
 () Acting as club Net Control Station
 () Helping with Short Skip newsletter
 () Taking a Novice or Technician class
 () Teaching a Novice or Technician class
 () Taking an upgrade class
 () Teaching an upgrade class
 () Helping with VEC license exams
 () Other _____

Badge (New Members Only)

Fill in this section exactly as you want it to appear on your badge.

Callsign _____

First Name _____

City _____

For the Record...

by Shirley Jones KD6PKA
(aka associate editor)

Last month's article on the origin of SOS, was written by Gene Hildeman. However, Gene is not AA6UY as stated up there next to his name. Due to some confusion on the typist's part (me), it found it's way in, but didn't make it back out. Sorry about that Gene... Sorry about that AA6UY...

Is Your Address Current??

If you have moved, be sure to notify the FCC. Part [97.23(a)] of the FCC Rules states that "when there is a change in the mailing address for a person who has been granted an amateur license, the person must file a timely application for modification of the license. Revocation or suspension of the license may result when correspondence from the FCC is returned as undeliverable because the person failed to provide the correct mailing address."

REVOKED!?! What did I do with that 610...?

CALL SIGNS ON THE INTERNET

<http://www.ualr.edu/doc/hamualr/callsign.html>

This callsign database is updated DAILY and is derived from the FCC database. It can be a usefull resource for new hams waiting for their license as well as old hams waiting for an upgrade. Under the new rules, as soon as you know your call, you can begin using it and its privileges.

Ham License Plates

Have you ever considered getting Ham license plates, but were afraid to ask HOW MUCH?

Regular personalized plates cost \$41 initially and an extra \$25 every year. Ham plates, which are a type of special interest plate, cost \$21 initially and have NO annual surcharge. Not a bad deal...

The folks at the DMV can get you fixed up with the proper form to fill out. Just ask for an Amateur Radio license plate form. You must supply a copy of your FCC license to accompany the paperwork.

Coming Events

OCTOBER:

- 1 - Livermore Swap Meet, (510) 447-3857 eves.
- 4 - SCRA meeting 7/7:30 PM
- 6-8 - 2nd National Hamfest, at Costerisan Lake in Bakersfield, CA. Contact the Kern Co. Central Valley ARC at PO Box 743, Bakersfield, CA 93302
- 14 - **Deadline for November Short Skip**
- 14 - VE Exam - SMRS at Petaluma Senior Center
- 20-22 - Pacificon '95 @ Concord
- 28-29 - CQ Worldwide DX Contest

NOVEMBER:

- 1 - SCRA meeting 7/7:30 PM @ Cattlemen's
- 11 - VE Exam - VOMARC at Sonoma Dev. Center in Glen Ellen
- 18 - **Deadline for December Short Skip**

DECEMBER:

- 2 - VE Exam - MARC at Bldg. 549, HAFB
- 6 - SCRA Christmas Dinner @ Cattlemen's
- 16 - VE Exam - SMRS at Petaluma Senior Center
- 16 - **Deadline for January Short Skip**

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STEVE BASHAM
Manager

SCRA MINUTES

September 6, 1995

**Submitted by Secretary
Al Bloom N1AL**



The meeting was called to order by President Kelly Cureton KD6CJQ at 7:30 PM. Other officers present were Vice President Dave New AA6YX, Secretary Al Bloom N1AL, Activities Chairman Joel Nadler KJ6LF, Repeater Chairman Jim Rutherford WB6PER, and Members-at-Large Marie Mappus KI6QY and Jim Andrews KC6PJW.

VISITORS: We had 7 visitors this evening.

The **MINUTES** were approved as printed in Short Skip. m/s WB6TMY/K0MQT

The **TREASURER'S REPORT** will wait until next month when the Treasurer returns. We currently have \$1483 in checking.

ACTIVITIES Chairman KD6LF introduced the Chairmen:

EDUCATION: Steve KK6VY noted there is one week to go in Jim WA2EWE's class. Rick K6ZWB will be re-scheduling the construction class after the swap meet.

Rick is also organizing SWAP MEET. The IC-2340, a 144/440 MHz, 50W radio for the raffle has arrived, along with other prizes. For lunch, we will be offering BBQ chicken this year. The club table sells both items donated to the club plus consignment items. Al N1AL has mailed a total of over 2000 flyers, plus the flyers in Short Skip.

PUBLIC SERVICE: Marie KI6QY still needs volunteers Sept 17 for Clo's Classic and the MS Waves to Wine on Sept 30.

REPEATER: Jim WB6PER reminded everyone that, at the last meeting, we decided to spend \$3000 for a passel of new repeaters and collected \$740 in donations toward that end. More people contributed again this time.

NET CONTROL for September will be Robert WA6WXX, with Tim KD6TXH in October.

The **NOVEMBER MEETING** will be at Cattlemen's restaurant in Montgomery Village. The **CHRISTMAS PARTY** will be Dec 6 at the same place. Choice of dinner will be salmon, chicken or steak at \$16 for adults, \$8 kids.

An HP8592A 22 GHz SPECTRUM ANALYZER was donated by HP thanks to John WB6FRZ. It is not ever to be sold. WB6NOV suggested we write a thank-you letter to HP.

ELECTIONS are coming up. We need volunteers for the Nominating Committee and as candidates. Also, KC6PJW will chair the MEMBER OF THE YEAR Committee. Let Jim or Kelly know if you would like to serve or if you have any nominations for Member of the Year.

The **PROGRAM** was a presentation by Dave AA6YX on QSL cards and how they relate to certificates and awards. Next month is the QSL card contest. Bring your most interesting, most attractive, rarest card for show and tell.

RAFFLE prizes were thanks to Ardco and HSC. Greg KE6FXK agreed to do the raffle next month.

Mike N1DJE would have won the **MEMBERSHIP LOTTERY** had he been present. Thanks to James KD6GSF.

The meeting adjourned at 9:18 PM.

Respectfully submitted by Al Bloom N1AL.

Board Meeting Minutes

September 13, 1995

The meeting was called to order by President Kelly Cureton KD6CJQ in the meeting room at the Northbay Savings Bank. Other officers present were Vice President Dave New AA6YX, Secretary Al Bloom N1AL, Activities Chairman Joel Nadler KJ6LF, Repeater Chairman Jim Rutherford WB6PER, and Members-at-Large Marie Mappus KI6QY and Jim Andrews KC6PJW. Also present were 4 other SCRA members.

PBBS: Jim KC6PJW will buy 2 new CD ROMs to update the callsign databases on KC6PJW and KD6KWM.

NEWSLINE again needs emergency funds to keep their amateur radio news service on the air. The board voted to send another \$100. m/s WB6PER/N1AL

Al N1AL submitted bills for the flea market mailing and for the ARRL Technician and General class video tapes. HP policy no longer allows smoking in the patio area outside the meeting room, but Al has confirmed that it would be OK after hours when our meetings occur.

CORRESPONDENCE by the Secretary included a letter to KE6EAQ with data on number of hams in the county to help with Lee's work on county zoning ordinances. Both W6LFJ and WB6PVS licenses expire in the spring of 1996. Al asked if we should order more club QSL cards. He will check on printing prices.

PUBLIC SERVICE: Marie KI6QY says the Waves to Wine and Clo's Classic will be the last events of the year. We will be needing a new Public Service Coordinator for next year.

REPEATER: Jim WB6PER announced that we have two new control operators, Ken N6MHG and Steve KK6VY.

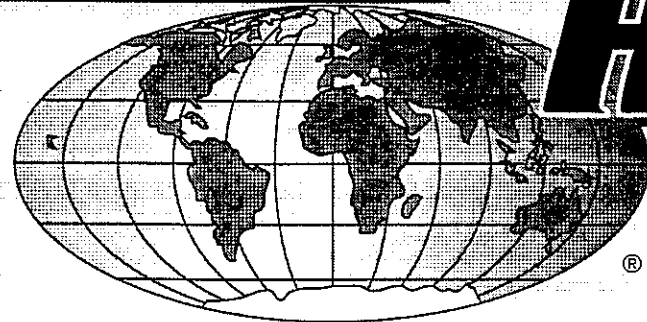
DUES: Jim feels that the club is rudderless and stalemated at 300 members. SCRA does not support RACES. We have an

(Continued Page 9)

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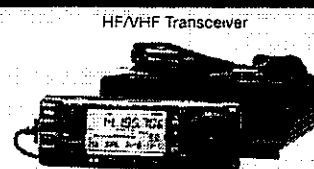


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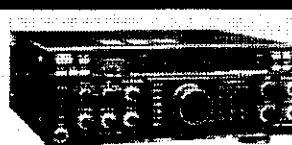
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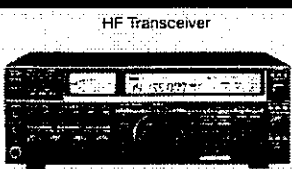
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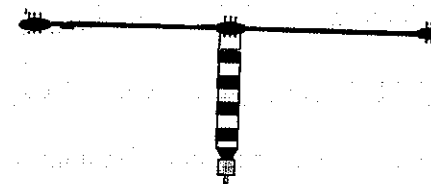
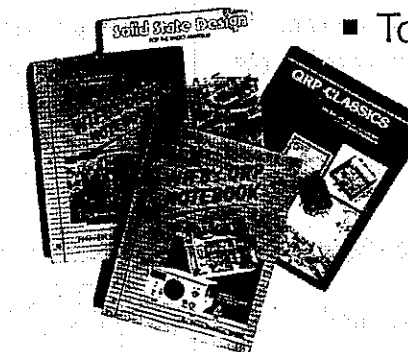
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- License Manuals
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bands. QSL via his home call.

FALKLAND ISLANDS, VP8. Mark, VP8CSA, aka ZB0T, will be QRV for 5 months. QSL via DL1SDN.

ASCENSION ISLAND, ZD8. Jim, N6TR will sign ZD8Z September 29 to October 8. Check 33 kHz up from the band edge for his CW, as well as 21150 kHz. QSL via VE3HO.

EASTER AND SyG ISLANDS. XR0Y and XR0Z have been very active. Remember that DXpedition members are collecting signal report data for propagation studies. Honest signal reports are requested. QSL both via WA3HUP.

AZORES, CU. Matthias, DL3KUD, will sign CU2/DL3KUD October 3 to 17 with an all band CW effort. QSL via DL3KUD.

SABLE ISLAND, CY0. VE1CBK and company will be QRV September 30 to October 10.

KERGUELEN ISLANDS, FT8X. Jean Jacques, FB1LYF, aka J28CW, will start a one year operation in November as FT5XL. He will operate all bands, CW, SSB, RTTY and RS-12. QSL via F5NZO.

THAILAND, HS. HS0AC is no longer in operation from the Bangkok Science Museum. The license has been transferred to the recently refurbished HS0A at the Asian Institute of Technology. Listen for HS0A in the CQ WW contests. Some Thai operators will sign HS7AS in these contests.

JAN MAYEN, JX. LA4CJA and LA3EX will sign JX4CJA and JX3EX September 28 through April 15. They will be on 80 through 10 meter CW and SSB.

JORDAN, JY. Bob, WB9YXY, will be active October 3 to 20 as JY8XY on CW and SSB. QSL via his home call.

QSL NEWS. The ARRL Outgoing QSL Service can now forward cards to Uganda, 5X, and Mali, TZ.

THIS WEEKEND ON THE RADIO. SHF enthusiasts will want to check out the ARRL 10-GHz Cumulative Contest. Event specifics are on page 113 in July QST. HF types can get in on the North American Sprint and Scandinavian Activity Day. For more info on these two events, see page 127 in September QST.

Special Bulletin 50 ARLX050 September 12, 1995

Sky search gets name

A name and starting date have been chosen for a radio astronomy project that aims to involve large numbers of radio amateurs.

The SETI League has chosen "Project Argus" as the name for its upcoming search for extraterrestrial intelligence (SETI). The SETI League hopes eventually to involve 5000 amateurs worldwide in scanning the sky. Earth Day, April 21, 1996, is the target date for beginning the project.

The name Argus was chosen in 1971 at Stanford University for a proposed ultimate SETI receiver that was never funded. Argus was a mythological figure with 100 eyes that could look in all directions at once.

Dr Robert Dixon, W8ERD, a SETI League advisor and assistant director of the Ohio State University Radio Observatory, hopes to share technology with the SETI League, according to SETI League Executive Director Paul Shuch, N6TX.

More information on amateurs' role in radio astronomy was in August 1995 QST, page 37.

Special Bulletin 46 ARLX046 August 23, 1995

Sunspot hints new cycle

Astronomers at the California Institute of Technology say they have identified the first new sunspot in the next sunspot cycle.

Scientists at Caltech's Big Bear Solar Observatory in Big Bear City, California, photographed the spot on August 12.

"This makes us happy," said Hal Zirin, professor of astrophysics at Caltech and director of the Big Bear facility. "The sun is a lot more interesting to study when things are going on."

Early in the 11-year sunspot cycle, sunspots appear rarely and at relatively high solar latitudes around 30 to 35 degrees, then increase in frequency and appear at lower latitudes until they reach sunspot maximum, Caltech said. After this peak in activity, the number of sunspots slowly declines, and they appear ever closer to the sun's equator until they reach a relatively quiet phase called sunspot minimum.

The sun has been in a quiet period through much of 1994 and this year, with a few spots showing up near the equator. The new sunspot found on August 12 appeared at a solar latitude of 21 degrees, and its magnetic polarity is opposite to that seen over the last decade, a key to identifying it as "the manifestation" of the start of a new cycle, Caltech said.

Scientists at Caltech said they expected an early beginning to Cycle 23, but not this early. "Sunspots in the new cycle should rapidly become more common and reach a high level of activity in 1998 or 1999," Caltech said.

QST de WIAW
Special Bulletin 51 ARLX051
From ARRL Headquarters
Newington CT September 14, 1995
To all radio amateurs



WRTC-96 Makes Plans

The **Northern California Contest Club (NCCC)** has selected judges for the World Radiosport Team Championship (WRTC-96) competition, scheduled for July 13 and 14, 1996, in the San Francisco Bay area, and has announced the rules for the event.

According to NCCC President Ken Silverman, WM2C, since the WRTC competition takes place within the IARU HF World Championship, WRTC rules will follow suit as much as possible. Each of the 52 WRTC teams will compete as a two-person, multi-single contest entry, running a maximum of 100 watts output. WRTC competitors will be limited to 18 hours (from 1200 UTC Saturday to 0600 UTC Sunday), and will use only the 40, 20, 15 and 10 meter bands.

Lew Gordon, K4VX, will head WRTC-96's Judging Committee as chief judge. Additional judges will be Roger Western, G3SXW, "Bear" Kumagai, JA7RHJ, Fred Laun, K3ZO, Dick Frey, K4XU, Tom Taormina, K5RC, Glenn Rattmann, K6NA, Gene Walsh, N2AA, Dick Norton, N6AA, Phil Goetz, N6ZZ, Ville Hiilesmaa, OH2MM, Tine Brajnik, S50A, John Brosnahan, W0UN, and Rush Drake, W7RM.

The WRTC, first held in Seattle, Washington, in 1990, pits two-person teams comprised of some of the world's top operators in ahead-to-head competition. To emphasize operator ability, each team runs the same transmitter power and operates from stations having similar antenna systems and located in the same geographical area.

For additional information about WRTC-96, contact Rusty Epis., W6OAT, at 651 Handle Trail, Redwood City, CA 94062, USA, or via e-mail to Epis.@netcom.com.

DX Bulletin 48 ARLD048 September 14, 1995

DX news

This week's bulletin was made possible with info provided by Joe, NJ1Q, Frank, AH0W/OH2LVG, Jari OH2BU/OH7RF, Chris, G4BUE, Johnny, LA5IIA, Roger, LA4GHA, and Contest Corral from QST. Thanks to all.

BENIN. LA-DX Group members LA9IY, LA4GHA and LA5IIA will be on the air September 16 to 26. The call sign expected to be used during this DXpedition is TY8G. Besides HF, OSCAR 13 mode B will be featured. For CW check 1827, 3515, 7015, 10115, 14005, 18075, 21005 24895

and 28005 kHz. On SSB try 1841, 3755, 7055, 14145, 18145, 21185, 24945 and 28455 kHz. RTTY will be mostly on 14085 kHz. Satellite operation will be on 145.895 MHz, listening up. QSL via LA8G, PO Box 5626, N-7002 Tveita, N-0617 Oslo, Norway.

MV ISLAND. After a three and a half year long hiatus, MV Island returns to the air with the help of ops OH1KAG, OH2BU, OH3KCB, OH3MEP, OH3MMF, RA3AUU, RU3FM, RV6HY and RA3AUM. The DXpedition will start September 21 through Monday the 25th and feature all-bands/modes, 4 stations, and 24 hours/day operating. Listen for the call signs R1MVI and OH2BU/MVI. An entry in the CQ WW RTTY Contest is planned. The team will use full size verticals on 160 and 80 meters. For CW check 1831, 3501, 7001, 10101, 14025, 18069, 21025, 24891 and 28025 kHz. On SSB try 1845, 3795, 7045, 14195, 14295, 18145, 21295, 24945 and 28495 kHz. RTTY should be on 14084, 18104, 21084 and 28084 kHz. QSL via OH2BU.

TUNISIA, 3V. YT1AD will sign 3V5A in both CQ SSB and CW Contests.

VIETNAM, 3W. Rolf, SM5MX, has returned to Hanoi and will be QRV as XV7SW again. QSLs for his previous operation are being processed and mailed. Fellow Swede Torsten, home call not supplied, is also QRV as XV7TH. And Franz, DF5GF, is licensed to operate only on 14016 and 14295 kHz as 3W6GM.

MADAGASCAR, 5R. Ben, 5R8DS reports that his XYL Marian, 5R8DY, has returned to the Netherlands, but he will be QRV until November 1 when his contract with Radio Netherlands ends.

MALDIVES, 8Q. JA0BYS and JA9PRJ will sign 8Q7BY and 8Q7RJ from September 26 to 30. QSL via home calls.

MALTA, 9H. 9H3BKS plans to be QRV October 21 and 22 with CW and SSB on all bands, including VHF and UHF. QSL via 9H1FG.

OMAN, A4. Tony, G4KLF, will sign A45ZN over the next two years. He will also operate from club station A47RS on CW, SSB, RTTY, AmTOR and packet. QSL via Tony Selmes, PO Box 981, Muscat, Sultanate of Oman.

FERNANDO DE NORONHA, PY0F. AH0W and WA7LNW are planning a multi-single entry in the SAC SSB Contest September 23 and 24.

EGYPT, SU. Mohamed, SU2MT, will be on the low bands this Fall and is looking for skeds on 160 meters.

MARSHALL ISLANDS, V7. V7/AL7EL plans to be active October 18 to 25 with an emphasis on the low and WARC

(Continued next page)