The Coastside Communicator

Vol. 47, No. 3 March 2015

www.coastsidearc.org

President's Column

Greetings,

Pizza…Pizza…Pizza!

This month is our Pizza meeting at Round Table in the Linda Mar Shopping Center. We have the room from 7:00 pm to 8:30 pm. Please arrive early to order your food so we can get the meeting started on time.

We are still working out the details of our trips for this year. What we have planned is a repeat trip to the De Anza Swap Meet and trip to Halted Electronics Supply (April or later); a trip to the SF Cable Car Barn and Powerhouse (May?); and a Tour of the Computer Museum. The details still have to be worked out.

For events this year, we have the Silver Dragon Exercise on April 23rd; Field Day the last weekend in June; the Devil Slide Ride on July 18th; and Fog Fest at the end of September.

I hope to see you at the meeting on March 11th.

73,

Walt-KG6EDY

February Minutes

The February 11th meeting was called to order at 7:35 p.m. by our club president, Walt Long-KG6EDY at the Linda Mar Fire Station in Pacifica. Self-introduction by the members and guests followed.

No corrections to the minutes were made. It was moved by Frank Erbacher-N6FG to approve the minutes as published in the Coastside Communicator. The motion was seconded by Roy Brixen-KE6MNJ and passed unanimously by the membership present.

Treasurer's Report

Frank Erbacher-N6FG read the report of the Club's financials: $905.30 in the General Fund; $2,374.51 in the Repeater Fund; $692.41 in the Digipeater Fund and $9,276.11 in the EOC/Public Service Fund. These individual fund totals add up to a club total of $13,248.33.

The treasurer paid $22 for mailing and publication of the Coastside Communicator newsletter.

Frank requested that $20 be paid for a repair manual.

A motion to pay $20 was made by Walt Long-KG6EDY, and seconded by K6DLZ-Ralph Bailey and approved by the membership present.

Membership

Frank informed the members that CARC currently now has 71 members (through mid-2015), 69 licensed and 2 unlicensed. 49 of CARC's members are members of ARRL. 40 Members are renewed for all of 2015 so far.

Communications

Frank stated that the January bank statement was received by the Club.

Frank received the Short Skip newsletter.

Committee Reports

Repeater

Frank reported that the new repeaters are being tested at N6TZE's house on a dummy load with a different PL on them.

Frank also mentioned the "double beep" heard on the repeater after the storms, identifies that commercial power is out on the hill and that the repeater is running on back-up power

Autopatch

Offline (on the hill)

Digipeater

No Report

APRS

No Report

Emergency Services

Frank-N6FG mentioned that 12-Volt Plug-ins are needed for the Pacifica EOC. He will meet with City at the Emergency Preparedness Commission to discuss.

Field Day

No report

Fog Fest

Frank-N6FG stated that the Fog Fest is scheduled for September 26 and 27.

Newsletter

Published

Website

Operational

Unfinished Business

None

New Business

ARRL Emergency Coordinator Needed for Pacifica

David Richards-AF6MN Coastside Section Manager, spoke on this need for ARRL Field Organization. In the United States, the country is divided into sections.

Our Region, San Mateo, is divided into two districts: Bayside and Coastside. He is moving but in any case Pacifica needs a volunteer to be its coordinator as well

Adjournment

It was moved by Frank Erbacher-N6FG, seconded by Bill Lillie-N6BCT , and unanimously approved by the members present that the meeting be adjourned at 7:55pm.

Present at the Meeting

The following Life Member has become a Silent Key:

Roger Spindler-WA6AFT.

Officers: President: Walt Long-KG6EDY; Vice-President: Ralph Bailey-K6DLZ, Secretary: Cheryl Crofts-KJ6RNK, Treasurer: Frank Erbacher-N6FG

Members: Gary Barnes-KI6HIG, Roy Brixen-KE6MNJ, Dave Lawrence-KF6TWW, Bill Lillie-N6BCT, Tom Oliver-KJ6OGL, KJ6ERS-Carmel Gallagher Lucas Ford-W6AER, Mark Ford-KA7LAS, & David Richards-AF6MN

Visitors: Susan Ford, Matt Ford, & Violet Macy

Reported by Cheryl Crofts-KJ6RNK , Secretary

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NEWS

ARRL Emergency Coordinator Needed for Pacifica

Currently, the City of Pacifica does not have an ARRL EC to coordinate the efforts of its hams who are registered in ARRL's Amateur Radio Emergency Service® (ARES®) as potential emergency communicators. (There is an EC for the Half Moon Bay communities from the City of Half Moon Bay to Montara. There are also ECs for the La Honda/San Gregorio/Pescadero area, Kings Mountain, and the South Skyline communities.)

The job involves recruiting and registering ARES members, organizing training for them, coordinating the support of public service events like bicycle rides and community events, and a modicum of activity reporting to the ARRL Field Organization.

I would like to invite anyone who lives in Pacifica and is interested in filling this important position to contact me at 650-245-5558 or david@drdrr.net. Your community and fellow hams need you!

David Richards-AF6MN
District Emergency Coordinator
San Mateo County - Coastside

ARRL Update

ARRL Seeks Member Input on Draft HF Band Plan Proposals

The ARRL is asking members to comment by April 19 on possible changes to the League's HF Band Plans suggested by the HF Band Planning Committee. The survey is part of the committee's efforts to tweak the band plans for the RTTY/data/CW portions of 80 through 10 meters -- excepting 60 meters. The committee developed its suggested revisions to the voluntary band plans after reviewing some 400 member comments in response to a March 2014 solicitation that sought suggestions on how to use the spectrum more efficiently, so that data modes may coexist compatibly.

"The committee concluded that most of the concerns voiced by members could be addressed by modest adjustments to the existing band plans, and mainly by confining data modes with bandwidths greater than 500 Hz to the FCC-designated segments for automatically controlled digital stations (ACDS) and to parts of the RTTY/data subbands above those segments," ARRL CEO David Sumner, K1ZZ, said. His article detailing the committee's suggestions will appear in the April issue of QST.

The proposed changes differentiate among ACDS, narrow RTTY/data modes having a bandwidth no greater than 500 Hz, and wider data modes having a bandwidth up to 2700 Hz.

Band-by-Band Draft Recommendations

On 80 meters, the committee suggests several modifications to the band plan. FCC action in 2006 reduced the 80 meter RTTY/data subband to 100 kHz and limited access to the 3600-3700 kHz segment to Amateur Extra class licensees. "Unless and until the FCC Rules are modified, changes in the band plan for 3500-3600 kHz will not improve the situation," Sumner said.

The HF Band Planning Committee recommends that the League petition the FCC to move the boundary between the 80 meter RTTY/data band and the 75 meter phone/image band from 3600 to 3650 kHz and restoring that segment to General and Advanced class licensees. Members are being asked to comment on this proposal, as well as on whether or not the ARRL should petition the FCC for these other changes:

Shift the ACDS band segment from 3585-3600 to 3600-3615 kHz, consistent with the IARU Region 1 and 2 band plans.

Extend the current Novice/Technician CW segment of 3525-3600 kHz to 3650 kHz.

Add 80 meter RTTY/data privileges for Novices and Technicians.

On 40 meters, the committee concluded that it would be unrealistic to try to bring the ARRL band plan into alignment with the rest of the world, particularly with Regions 1 and 3 where operating patterns developed when the entire band, including phone, was just 100 kHz wide -- and is still only 200 kHz. While 7040 kHz is a recognized RTTY/data DX frequency in the band plan, the best place for other RTTY/data activity in the US is above 7070 kHz.

The committee proposes aligning the band plan with the "Considerate Operator's Frequency Guide," with wide data modes -- outside of ACDS -- at 7115-7125 kHz. The "Guide" shows 7070-7125 kHz for RTTY/data, while the ARRL band

ARRL Update cont.

plan shows 7080-7125 kHz. The FCC mandates that ACDS be confined to the 7100-7105 kHz segment.

On 30 meters, the committee recommends confining wide data modes to 10.140-10.150 MHz, separated from other RTTY/data at 10.130-10.140 MHz.

On 20 meters, the committee recommends using the 1 kHz IARU/NCDXF beacon network frequency (14.0995-14.1005 MHz) as a line in the sand between wide ACDS in the 14.1005-14.112 MHz segment, and narrow ACDS in the 14.095-14.0995 MHz segment.

The committee recommends 14.070-14.095 MHz for RTTY and narrowband data, noting that so-called "weak-signal" data modes often are used between 14.070 and 14.078 MHz.

On 17 meters, the committee recommends confining wide data modes to the FCC-mandated ACDS segment of 18.105-18.110 MHz, separated from narrow RTTY/data at 18.100-18.105 MHz. FCC rules do not permit RTTY/data above 18.110 MHz, limiting options for this band.

On 15 meters, the committee recommends that 21.070-21.090 MHz for narrow RTTY/data modes, the FCC-mandated ACDS segment of 21.090-21.100 MHz for both narrow and wide automatically controlled data station activity, and above 21.100 MHz for any additional wide data activity.

The ARRL Board also wants members to comment on the desirability of adding RTTY/data privileges for Novices and Technicians in their existing 15 meter segment, where they're now limited to CW.

On 12 meters, the committee recommends confining wide data to the FCC-mandated ACDS segment, 24.925-24.930 MHz, separated from narrow RTTY/data operation at 24.920-24.925 MHz. FCC rules do not permit RTTY/data operation above 24.930 MHz, limiting options for this band.

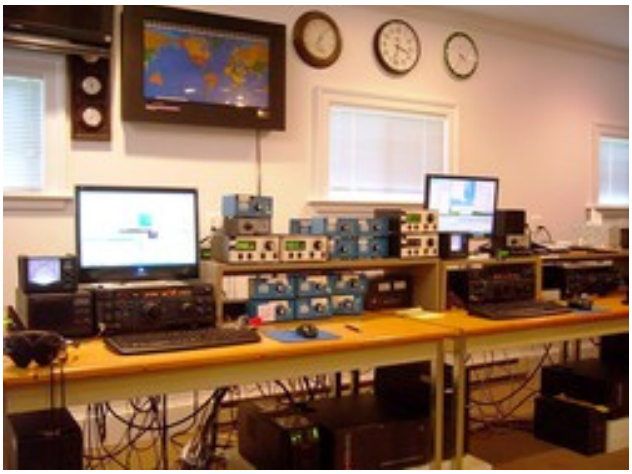
On 10 meters, the committee recommends that wide data be confined to the FCC-mandated ACDS segment, 28.120-28.189 MHz, separated from narrow RTTY/data modes at 28.070-28.120 MHz.

How to Comment

The League has set up a web page to record members' preferences and comments, which includes links to the HF Band Planning Committee report to the ARRL Board and to Sumner's April QST article (and high-resolution band charts). Those wishing to offer more detailed comments may e-mail ARRL. The comment deadline is April 19. The HF Band Planning Committee will deliver its final report at the ARRL Board of Directors' July meeting.

No One in the Shack as Station Logs 4200+ Contacts in ARRL DX CW Contest

The six-person group operating as K3TN in the recent ARRL International DX Contest (CW) may have made Amateur Radio history by mounting the first completely remote-controlled multioperator contest effort. The scattered K3TN team worked via the Internet through the station of Jack Hammett, K4VV, on Catoctin Ridge in Northern Virginia. All of K4VV's operating positions were vacant over the February 21-22 weekend, because the operators were elsewhere. One participant even managed to operate during the contest from two states -- Maryland and Florida.



Note the absence of chairs in the K4VV shack. The station can be operated remotely as well as on site. [Photo courtesy of Mike Lonneke, W0YR]

"No one was in the K4VV shack for the entire contest!" said Mike Lonneke, W0YR, who took part in the contest via K4VV from his own shack in Virginia. Two other operators were in North Carolina. "Perhaps this is a new category -- Totally Remote (TR)." Lonneke said 3-minute timers at the remote-capable positions allow FCC requirements to be met.

The "Team K4VV" contingent made 4224 contacts and logged 556 multipliers for a claimed score of more than 7 million points -- not a Top 10 score, but respectable. For comparison, the top-scoring K3LR multi-multi operation has claimed 18.85 million points.

K4VV boasts two Telrex "Big Bertha" rotating masts that support 17 wide-spaced Yagi arrays for 10, 15, and 20 meters and a two-stack of four-element OWA Yagis on 40, plus wire antennas for 80 and 160 meters. This is not the sort of antenna farm likely found in the typical suburban neighborhoods from which the K3TN participants operated.

Despite the vagaries of winter weather, the station performed well. "We had a foot of wet snowfall Saturday afternoon/evening, and the station was totally inaccessible," said John Pescatore, K3TN, in a 3830 website log post. "The ops fairly winced as they watched the on-screen direction indicators for K4VV's Big Berthas turn at a tortoise's pace in the near zero-degree cold. But, turn they did. The station played great, and band conditions were, across the board, good."

Lonneke said one member of the ARRL DX CW team, Bill Rogers, W3UL, started the contest from his home in Maryland, before taking the auto train to Florida and rushing to his condo to finish up.

Team K4VV, a group of more than 20 operators, helps to maintain and operate the station, which has become a real-world laboratory in the to-date niche field of remotely controlled contesting. "Jack's [K4VV] health is not the best," Lonneke noted, "but he is happy to see his station -- an outstanding facility -- used and maintained by a group of his Amateur Radio friends."

ARRL Update cont.

Three of K4VV's well-equipped operating positions can be operated either from within the shack or via remote control from anywhere in the world. In 2013 ARRL November Sweepstakes (CW), Tom Morton, CX7TT, who lives in near Montevideo, Uruguay, logged into one of the K4VV operating positions. Operating as W4YY at a distance of nearly 5200 miles, he managed a clean sweep. Lonneke has said that the operating experience from the remote end "is transparent."

Until recently contacts made during such operations were ineligible for DXCC credit for either station. Changes to the DXCC Rules now allow a control operator to be outside the DXCC entity in which the radio transmitter/receiver is located. For DXCC purposes transmitter location continues to define a station's location. CQ Magazine recently began sponsoring an award for working 100 countries while using remote control.

In addition to Pescatore, Lonneke, and Rogers, the K3TN operators for the ARRL International DX CW were Rick Miller, N1RM, in Virginia; Jim Gulvin, W4TMO, in North Carolina, and Rowland Archer, K4XD, in North Carolina. The K3TN log was submitted under the Potomac Valley Radio Club banner.

Pescatore is hoping to gather a team of phone operators to mount a similar multi-multi effort in the ARRL International DX Contest SSB event in March.

German Radio Amateurs Breathe New Life into "Orphaned" Shortwave Channel

A few radio amateurs are frustrated broadcasters, and when German national broadcaster the Deutsche Welle closed down a 500 kW shortwave broadcast transmitter near Munich, an entity headed and operated by hams applied for and was granted the vacant channel of 6070 kHz in the 49 meter shortwave band. DARC Radio -- which has a business association with the Deutscher Amateur Radio Club (DARC) but is privately owned -- now has a 10 kW broadcast station, branded "Channel 292," up and running, and a new Amateur Radio DX program will debut next month.

Rainer Englert, DF2NU, with the Deutsche Welle 500 kW transmitter site. [Photo courtesy of Rainer Englert, DF2NU]

"After the demolition of one of the world´s biggest shortwave facilities of the Deutsche Welle last year, we managed to get an official radio broadcast license for the German Amateur Radio Club and have built up a shortwave transmitter with some parts of the old 500 kW transmitter from there," said DARC Radio Project Manager Rainer Englert, DF2NU, an ARRL member and president of the Munich South Section of the DARC. "As far as we know, there is no similar ham project like this worldwide."

The Deutsche Welle used the 6070 kHz channel until mid-2013 for European transmissions. DARC Radio hopes to fund its operating expenses by leasing airtime.

The DARC is a customer, and under its banner, a weekly Amateur Radio-oriented magazine of DARC news, contest schedules, DX information, interviews, DXpedition reports, market reviews, technical hints, and "some nice old music from the '70s and '80s" will debut on Sunday, March 22, at 1000 UTC, Englert told ARRL. The program will be in German, but the RSGB has expressed interest in contributing English-language program segments, he said. The inaugural DX magazine will be repeated on Monday, March 23, at 1600 UTC.


According to the DARC, the initial March 22 broadcast will air from a 100 kW transmitter in Austria, while the repeat broadcast on March 23 will emanate from Radio DARC's 10 kW transmitter near Ingolstadt, Germany.

Rainer Ebeling, DB8QC, owns the official licensee -- Intermedicom GmbH (LLC). He repurposed parts from the driver stages as well as a few transformers from the former Deutsche Welle transmitter for DARC Radio's 10 kW transmitter. "The antenna is a low-hanging, simple dipole with a very high radiation angle, optimized for short-range coverage," Englert explained. The station easily covers much of Western Europe, he said, and also has been heard in Russia and elsewhere, including North America.

Although its license allows full-time service, the station has mostly been on the air from 0700 until 1700 UTC. The station airs "The Golden Days of Offshore Radio" weekdays at 0700-0900 UTC, with offerings that evoke the era of pirate stations RNI, Radio Caroline, Radio Veronica, and others. In fact, the Channel 292 brand recalls the Channel 192 pirate station of the 1960s and 1970s. It also airs programs in Dutch and Spanish.

Englert said others, in addition to DARC, have been leasing airtime -- currently filling about 20 hours per week. DARC Radio's hourly rate is rock bottom -- about $17.50 US. "This rate really only covers expenditures like electric power and the write-off of the power amplifier," he said. "The transmitter sucks almost 40 kW out of the grid at 100 percent modulation."

"The orphaned shortwave frequencies hardly interest anyone these days," allowed the DARC. "Not so radio amateurs, who will take advantage of these new possibilities to also get broadcasting licenses." All reception reports to Channel 292 will be answered with a QSL card. Outgoing cards will go out via the DARC QSL bureau.

AMATEUR RADIO HISTORY

THE HISTORY OF EIMAC

AS TOLD BY JACK MCCULLOUGH-W6CHE CO-FOUNDER OF EIMAC – PART 3

Editor's Note: The following is Part 3 of the story of EIMAC that was presented as a slide show at a ham club in 1974. It was contributed by Linda DiLorenzo of CPI/Eimac Division with permission to reprint it in the CARC Newsletter

3. The Beginning of Eimac

Eimac was incorporated in September 1934. Our first store was at 592 San Mateo Ave. in San Bruno. It was Eimac's first factory building. It is not true that Eimac started in a meat market. The meat market came after Eimac left.

The first tube, of course, was the 150T, really an updated HK354 in a different envelope. It was imperative that we get our operation under way at once so we had to prepare an ad that was to appear in the November 1934 QST before we had actually made our first tube.

We were lucky to find Bud Bane, W6WB, who was, among other things, a commercial artist. We showed him the glass bulb, the anode and a drawing of the base. He came up with a drawing of the 150T that appears in that historic ad. Eimac started with only three people. Bill, myself, and our first employee, Carl Porter, who was with us at H&K. We had expected a few other people to come with us from H&K but they decided to stay behind. I couldn't blame them. This was 1934 and job security was all important during that depression. Actually those people who initially stayed behind joined up with us a few years later. Obviously with only three people, we had plenty to do. We had to make all of our own equipment. There were few tube companies in 1934. Besides, we didn't have too much money.

Much of the early equipment had its ancestry in many of San Francisco's junk yards. We made the rounds regularly. We knew the one on 9th St. specialized in certain types of equipment. Transformers were found at 6th & Harrison and the yard on Bryant St. had various pieces of iron and steel we could hew into our tools and dies. Bill was the machinist and later the glass blower. Carl did the assembly work after he had completed the electrical installations (he had been an electrician before coming to HSK). I built the pumps, did the initial plumbing, did the exhaust, carburizing and basing. The correspondence, at first, was answered by Brad Harrison; later this became one of my tasks!

I don't think we worked more than 24 hours in any one day! Eventually we were ready to make tubes. Bill's dies in our "kick" press formed the parts. Carl mounted the filaments and made the grids and finally the exhaust and testing. Bill and I went to the Ham Fest in Fresno in November 1934. Our ad for the 150T had appeared in QST and we had with us five 150T tubes (our entire production). The tubes were well received and our spirits were soaring until someone noticed a crack in one of the filament presses! When we were by ourselves, we examined the remainder of the tubes - they all had cracks. Our entire production down the drain! More disconcerting was the fact that we didn't know how we were going to prevent it happening in the future. After all our effort, to have this happen was almost too much. Brad Harrison invited us over to have a highball and relax. We worked out of our problem. We have had many problems over the forty years of Eimac's history but none seemed as large as our first one!

We had a fortunate break as far as publicity was concerned. Dickow was putting out the magazine "Radio" always looking for something new or starting, he found Eimac a fertile field. J.N.A. Hawkins W6AAR was an editor with Dickow. He spent a lot of time at Eimac. Some of his engineering suggestions were most helpful. I believe he was the one that suggested the word, "Eimac." One will never know what influence the publicity in the magazine "Radio" had on Eimac's early success.

Looking back over those early years, we were fairly prolific in new tube types. Our second tube was the 50T. The first year we had the 150T and 300T. In 1936, there was the 35T. Also that year the 150T became the 250T, the 50T the 100T, and the 300T the 450T. We had long since paid back to our financial friends $1,250 each so that all four of us owned equal shares of the company. Business was so good, in fact, that we moved out of the store at 592 San Mateo Ave., into a new 5,000 square foot building we had built across the street from the San Bruno depot. It seemed so big. We actually held a dance for a housewarming party. We had about 20 people on our payroll and sales were above $100,000 per year. One must remember that salaries were a little less then. When we started the company, Bill and I had a salary of $150 per month. Considering we were working 70 hours per week, that is slightly less than 50 cents per hour. Our first employees were mostly high school dropouts. We paid them 35 cents per hour to start. When they gained experience, they would go to 70 cents per hour. Remember a tool and die maker was getting $1.10 per hour in those days. Present salary scales, by comparison, are 6 to 10 times as much!

Also in 1936 Bill and I made our first trip East. Quite a bumpy 22 hour ride in a Boeing 247, a ten-passenger plane. We visited the various military service laboratories and found them fooling around with a thing called radar. More interestingly, they were using our tubes in these early radars. We established a good working relationship with the Signal Corp Laboratories in Monmouth, N.J. and the Naval Research Laboratories in Washington. We didn't realize at this time how many times in the future we would be making these trips to these laboratories. The U.S. military was just beginning to be ever so slightly concerned about the European political unrest. About this time we visited the National Ham Convention being held in Chicago. Remembering Charlie Perrine's article in 1932 of putting 1000 watts into a pair of 852's, we, thought we would update him a bit. On a breadboard, we mounted four 35T's. One 35T was a crystal oscillator.

Another 35T, a quadtrupler and a pair of 35T's in push pull as the final amplifier. In a later version the final used a vacuum condenser for the "C". The performance of this rig was rather startling. With 5000 volts @ 200 milliamperes on the plate of the final, close to 1000 watts of output power lit a 1000 watt incandescent lamp nearly to full brilliance. In those days, though albeit dangerous, it was the custom to estimate the performance of an amplifier by the length of the arc that could be drawn from the hot side of the tank, circuit by means of a lead pencil. Needless to say, the two or three inch arc that could be drawn from this 35T rig made a lasting impression on a lot of hams. Incidentally this rig was keyed by some new mercury vapor controlled grid rectifiers we had just made.

History of Eimac cont.

It is interesting to note that the relatively quiet activity in power tube design that had prevailed in early thirties was vastly changed by 1937-1938. RCA came out with a great quantity of types. Hi μ triodes, pentodes, even some exact copies of the Eimac types. Raytheon started out with several pentode type, tubes but they, like RCA, also made some very close copies of Eimac types. Very flattering. Taylor tube was a big operation at this time with their graphite anode types and liberal replacement policy. H&K, after a lull, again entered the fight in the latter part of the thirties.

Part 4 next month

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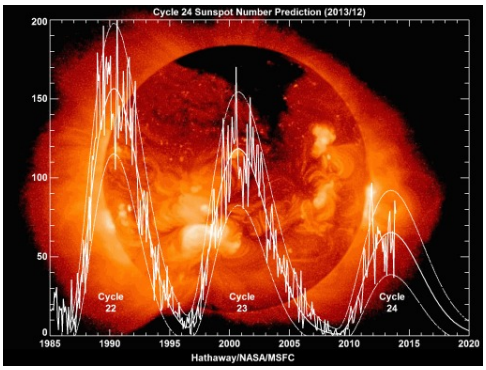
Solar Update



The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Average daily sunspot numbers over the past week were about the same (59) as last week (54.6), while average daily solar flux declined from 121.4 to 116.3.

Average daily planetary A index increased from 9 to 11.3. The average daily mid-latitude A index also was higher, rising from 7 to 9.3.

These numbers compare the 7-day period from February 19-25 with the previous 7 days.

The NOAA/USAF 45-day forecasts for planetary A index and solar flux have been late on several days this week. The latest available is for February 24, which calls for solar flux at 125 for February 26 through March 5, 130 on March 6, 135 for March 7-9, 130 on March 10, 125 for March 11-12, 120 for March 13-17, and 115 for March 18-23. Solar flux then reaches a peak of 135 for April 3-5 before declining again.

Predicted planetary A index is 10, 8, and 20 for February 26-28, then 22, 15, and 8 for March 1-3, then 10, 5, and 7 for March 4-6, rising back to 10 for March 7-8, down to 5 for March 9-13, then 10, and 5 for March 14-15, 15 for March 16-17, 8 on March 18, and 5 for March 19-21.

John Magliacane, KD2BD, of Sea Girt, New Jersey, e-mailed a blast from the past -- some old e-mail from me, ARRL bulletins, and various posts from the late 1980s and early 1990s on Usenet and the Amateur Packet Radio Network, which he recovered from archives on an old hard drive. I hope to post some newly recovered ARRL Propagation Bulletins from 1990-1991. Let me know if you find any old archives such as this.

Name That Rig!

Each month I'll try to post a different radio for you to name. Best of Luck! Winners get "Bragging Rights"

Last month's rig: Collin B Kennedy type 110

Coming Events

CERT Training – North County Fire Authority
See http://www.northcountyfire.org for more info.

QCWA NorCal Chapter 11 - Lunch at Harry's Hofbrau
3rd Wednesday of every month
1909 El Camino Real Redwood City, CA.
No host. 11:00AM to 1:00PM (approx).

ASVRO Silicon Valley Electronics Flea Market
2nd Saturday of each month from March through October.
De Anza College in Cupertino, CA. 7AM to noon
Web Page: http://www.electronicsfleamarket.com/
Talk-In: W6ASH 145.27- (100Hz PL)
N6NFI 145.23- (100Hz PL)

License Exams

Bay Area Educational Amateur Radio Society
Offering a one day study session for Technician or General theory, followed by testing. Fee: $30.00
When: April 18th 2015
Where: Google Crittenden Building
1300 Crittenden Lane, Mountain View, CA 94043
Registration required, class size is limited.
Web Page: http://www.baears.com/ for info and registration.
Questions: Ross Peterson (650) 349-5349 or wb6zbu@arrl.net

Silicon Valley Volunteer Examiner Group
First and third Saturdays of each month, 8AM-11:00AM.
Saratoga Fire Station 14380 Saratoga Ave, Saratoga, CA
Fee: $15
Walk-ins only, No pre-registration
E-mail: mojoteri@comcast.net
Phone: (408) 507-4698 (Morris Jones- AD6ZH)
Web Page: http://www.svve.org

Sunnyvale VEC Exam Sessions
Fee: $15 Cash
Cut-off-time, 30 min. after starting time.
Exam: changes, directions, call (408) 255-9000 24/hr
E-mail: wb6imx@worldnet.att.net
Web Page: http://www.amateur-radio.org

Sat	Mar 14th	Sunnyvale, CA	10:30	AM
Sat	Mar 28th	Redwood City, CA	10:30	AM

Online Practice Exams

Within the practice tests, online study resources, (Wikipedia, NASA, ARRL, etc.), are provided for many of the questions. The list of resources available for each question is constantly growing because users can add their own favorite links to the study materials. Users can also track their test scores over time and see which sub-elements are giving them the most trouble.
Practice Tests http://copaseticflow.blogspot.com/

CARC MEETING/EVENT SCHEDULE

Jan 14th	2015 Agenda Planning, LM Fire Station
Feb 11th	2015 Agenda Finalizing, LM Fire Station
Mar 11th	Pizza Night, Round Table LM Center, No Host
Apr 8th	Meeting Night, LM Fire Station
May 13th	Meeting Night, LM Fire Station
Jun 10th	Field Day Planning Mtg, LM Fire Station
Jun 27-28	CARC Field Day, Sweeney Ridge
Jul 8th	Field Day Wrap-Up Mtg, LM Fire Station
Jul 18th	Devils Slide Ride, PARCA Bike Event
Aug 12th	Meeting Night, LM Fire Station
Sept 9th	Meeting Night, LM Fire Station
Sept 26-27	Pacific Coast Fog Fest, Pacifica
Oct 14th	2016 Officer Nominations, LM Fire Station
Nov 7th	Election Dinner, Nick's Restaurant, Pacifica
Dec 9th	Holiday Potluck Dinner Meeting, LM Fire

*? to be determined # updated ---- canceled * tentative date*

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CERT COMMUNITY EMERGENCY RESPONSE TEAM **www.smcready.org** SAN MATEO COUNTY SHERIFF'S OES HOMELAND SECURITY EMERGENCY SERVICES

In Memoriam

Roger G. Spindler-WA6AFT/SK

THE COASTSIDE AMATEUR RADIO CLUB

The Coastside Amateur Radio Club (CARC) is affiliated with ARRL, and meets the second Wednesday of each month at 19:30 hrs. in the Linda Mar Fire Station Community Room, on Linda Mar Blvd. in Pacifica. Visitors are welcome.

The CARC has been organized since 1959, serving Bay Area amateurs, and providing emergency communications services to the City of Pacifica. Membership dues are $20.00 per year for the administration of the Club and the publication of the Communicator.

CARC supports two repeaters, WA6TOW/R (VHF and UHF); a Packet Digipeater, WA6TOW-1; and an APRS Digipeater, WA6TOW-2. Users of the machines provide repeater support and maintenance strictly through donations.

VHF: 146.925 MHz –offset 600 KHz PL 114.8
UHF: 441.075 MHz +offset 5 MHz PL 114.8

PL Tone: 114.8 Hz is used on both repeaters, as needed, for noise suppression.

Packet Digipeater: 145.050 MHz, Packet Node: PAC
APRS Digipeater: 144.390 MHz.

CARC/Pacifica OES VHF Simplex: 146.535 MHz
PL Tone: 114.8 Hz is used, as needed, for noise suppression

VHF Net

The club sponsors a VHF net each Wednesday, with the exception of meeting nights, at 21:00 hrs. for membership check-ins, notices, and QST's. Note: The WA6TOW repeater on 441.075 MHz may be used as an alternate if the WA6TOW VHF repeater is down.

HF Net

The club sponsors a HF rag chew net on 3.852 MHz, or the first clear frequency up/dn, on Saturday at 09:00 hrs. with an alternate frequency of 7.228 MHz.

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The Coastside Communicator is a monthly publication of the CARC. All articles contained herein are the opinions of the authors and not necessarily those of the club members or editor.

CARC, P.O. Box 1106, Pacifica, CA 94044

56 Years COASTSIDE AMATEUR RADIO CLUB WA6 TOW SINCE 1959 PACIFICA, CA of Service

46 Years ARRL Affiliation

Coastside Nets

Monday
07:30 PM on WA6TOW
146.925 MHZ, PL 114.8
San Bruno ARC Net

Tuesday
7:30 PM on WA6TOW
146.925 MHZ, PL 114.8
Daly City ARES Net

8:00 PM on WA6TOW 146.925 MHZ, PL 114.8 and KC6ULT 146.865 MHz, PL 114.8 simultaneously, but not linked. San Mateo County ACS Net

Wednesday
9:00 PM on WA6TOW
146.925 MHz, PL 114.8
Coastside Amateur Radio Club
Wednesday Night Check-in.

Saturday
9:00 AM on 3.852 MHz, or the first clear frequency up/dn.
(alt freq of 7.228 MHz.)
Coastside Saturday Morning Group.

10:00 AM on WA6TOW
146.925 MHZ, PL 114.8
QCWA Ch. 11 NorCal. Net

Sunday
7:00-7:30 AM on WA6TOW
146.925 MHz, PL 114.8
Knights of the Megahertz Net

CLUB OFFICERS				
Office	**Name**	**Call**	**Phone**	**E-Mail Address**
President	Walt Long	KG6EDY	(650) 467-6990	kg6edy@arrl.net
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	Cheryl Crofts	KJ6RNK	-	cherylcrofts@aol.com
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
Control Operator	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
Emergency Services	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Field Day	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Membership	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Newsletter Editor	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
Newsletter Publisher	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Station Technician	Michael Herbert	WB6JKV	(650) 355-6541	wb6jkv@pacbell.net
Trustee of Club Call	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Website	Scott Mercer	KI6SEJ	-	ki6sej@arrl.net

MEETING NOTICE:

MARCH 11TH
ROUND TABLE PIZZA
LINDA MAR CENTER
PACIFICA, CA
7:30PM

PIZZA NIGHT
(NO HOST)

COASTSIDE COMMUNICATOR

DAVID RINCK, EDITOR
P.O. BOX 1106
PACIFICA, CA 94044

FIRST CLASS

TO:

56 Years of Service
COASTSIDE AMATEUR RADIO CLUB
WA6TOW
SINCE 1959
PACIFICA, CA