



The Transponder



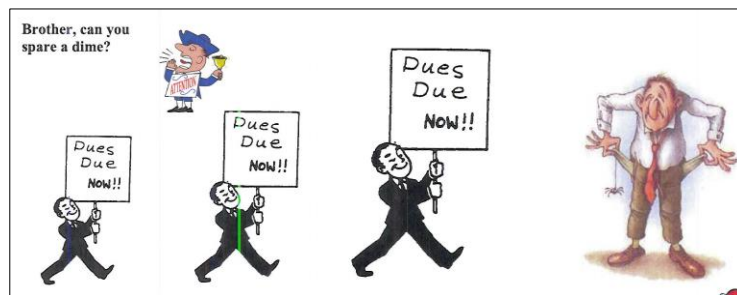
The monthly newsletter of the Hughes Amateur Radio Club, W6HA
- An ARRL affiliated club -

August 16, 2019 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVI, No. 8

***** CLUB MEETING *****

Where: El Segundo Library - Friends of the Library Conference Room
Location: 111 Mariposa Ave (near Main Street) , El Segundo, CA 90245

Meeting Notice: Date: Tuesday, August 20, 2019; Time: Gather, 11:30; Meeting: 12 to 1 PM



Featured Presentation:

NBEMS (*Narrow Band Emergency Messaging Software*)

Up Coming Events:

- Aug. 24 – Skills Day, Joslyn Center, Sun Rise Room, Manhattan Beach
- Sept. 15 – Jet to Jetty 5/10 K Race, Dockweiler Beach
- Dec. 7th, 2019 – Ray Miller 50/50

Nets on the Club’s Repeater: (*See Last page for details*)

- Wednesday Evenings at 7:30 PM – Hughes ARC members net, (then Simplex @ 146.55)
- Thursdays about Noon (12:05 PM) Raytheon Emergency Communication Team (ECT)

Other South Bay Nets: Thursdays at 7:30 PM So Bay ARC Net
1st Mondays of the month (7:00 PM) – LAFD CERT

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Lunch: Pizza: 1 Large Veggie; 1 Lrg Pepperoni; 1 Lrg Special; 1 Lrg Sausage, (\$3.50/slice)
Prices: 2 slices of Pizza w/salad, \$8.00; 1 slice of pizza w/salad \$5.00; Salad only \$4.00
Sodas: Coke, Coke Zero & Ginger Ale (\$1.00) - Water (50 cents)

Transponder Deadline for Submittal of Articles: Wednesday, before next meeting

Club News:

Skills day is coming soon. August 24, Joslyn Center, Manhattan Beach.

I've done a couple of things to get prepared for the game portion. If you can check it out on whatever media you have and see if it is working for you, that would be great. I've tested on windows 7 firefox and iphone 6 safari and older ipad. Seems to work OK, but I haven't tested other phones or browsers. <http://w6ha.com> click on the radio games menu item.

Other things for skills day are:

- CERT Radio Games - all Hams welcome!
- Basic Soldering class - Brian has the lead.
- Contesting by entering the KS and OH QSO parties with a coach - Raul has the lead.
- Basic test equipment VOM, power and antenna analyzers - I thought I'd bring a VOM, resistors, batteries, dummy load and power meter.
- Possible tour of MB EOC Ham stuff, but not clear if that can happen. Paul has the lead.

I think we can start around 9:00 and go to mid afternoon at the Joslyn Center, Manhattan Beach in the Sunrise room.

Goal is to have fun, build new skills, hone skills, and engage the community especially local CERT teams.

Mike

Contest for: August - September **Hiram Percy Maxim Birthday (150th)** **Celebration**

ARRL will hold an operating event to celebrate HPM's legacy, getting under way at:

0000 UTC on August 31, and continuing until 2359 UTC on September 8.

The event is open to all radio amateurs.

See page 3 for additional details.

HNLB-Hughes Net Lunch Bunch - 7/2/19 **QST QST QST**

We had an even dozen at our August lunch - the biggest group in a long time. Along with the usual suspects, we had Darryl, W6JII; Elliott, WA6TLA; and Dick's wife, Inge. We had to ask for a bigger table ... twice.

The subjects, at least at my end of the table, were as eclectic as usual. We discussed band conditions,

new hams, politics (no fights!), TV service, and computers.

I hope everyone is having a good summer. Our next gathering will be on Tuesday, September 3. I'm going to try to remember to use their YELP reservation system so our table will be ready for us.

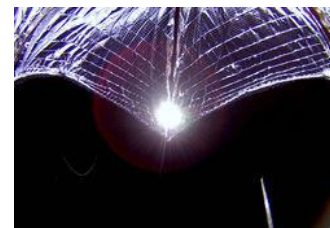
Betty, N6VZF

Ed.Note: The Hughes Net Lunch Bunchers (HNLBers) meet in Westchester, at the Coffee Co. La Tijera Blvd & Sepulveda East way, at 11:30 am. They've meet on the 1st Tuesday of the Month - since the mid 70s - 40 years!

ARRL Letter – Excerpts of possible interest

LightSail 2 Demonstrates Flight by Light

The Planetary Society's crowdfunded *LightSail 2* spacecraft is successfully raising its orbit solely on the power of sunlight. Since unfurling the spacecraft's solar sail on July 23, mission managers have been optimizing the way the spacecraft orients itself during solar sailing.



LightSail 2's aluminized Mylar sail shines against the blackness of space, with the Sun peeking through near a sail boom. [Photo courtesy of The Planetary Society]

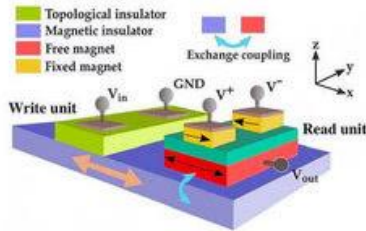
After a few tweaks, *LightSail 2* began raising its orbital apogee, something the mission team said demonstrated the mission's primary goal of "flight by light for CubeSats." Continuing to sail on sunlight in Earth orbit, the spacecraft's orbital apogee hit 729 kilometers (approximately 452 miles) as of August 5, an increase of 3.2 kilometers (nearly 2 miles) since sail deployment.

LightSail 2 launched on June 25, and it deployed on July 2 from Prox-1, a Georgia Tech student-built spacecraft the size of a small washing machine. Using the Experimental License call sign WM9XPA, *LightSail 2* automatically transmits a beacon packet on 437.025 MHz (9,600 bps FSK) every few seconds, which can be decoded into 238 lines of text telemetry describing the spacecraft's health and status...

Every 45 seconds, the spacecraft transmits "LS2" in CW on 437.025 MHz. [More information](#) is on The Planetary Society website. -- *Thanks to The Planetary Society*

Logic Switch Uses No Electric Current

The *Smart2.0* Newsletter for May 13 [reported](#) on a logic switch that uses no electric current. According to the article, researchers at New York



[Image courtesy of *Smart2.0* Newsletter]

University say the new method of controlling magnetic circuits is energy efficient, promising lower heat and energy costs in applications such as large server farms or in the artificial intelligence arena, which requires massive amounts of memory.

"The method uses a voltage-controlled topological spin switch (VTOPSS) that requires only electric fields, rather than currents, to switch between two Boolean logic states, greatly reducing the heat generated and energy used," the article explains. "Spin can be transported without a charge with the use of a topological insulator -- a material whose interior is insulating but that can support the flow of electrons on its surface."

Compared with existing spin-based devices, researchers claim the VTOPSS offers 10 to 70 times lower energy dissipation and 70 to 1,700 times lower energy-delay product. The VTOPSS technology, the researchers add, "offers competitive metrics compared with existing CMOS technology, and interconnect issues that dominate the performance in CMOS logic are relatively less significant for the VTOPSS, enabling it to switch between two states more effectively."

"Imagine if you were preparing a recipe and had to go into a different room anytime you needed an ingredient before returning to the kitchen to add it," says NYU Tandon School of Engineering Assistant Professor Shaloo Rakheja, the principal author of an [academic paper](#) on VTOPSS. "It's just as inefficient when the portions of computing hardware needed to do a calculation and the portions needed to store it are not well integrated."

The article noted that VTOPSS can reduce reliance on cloud memory, potentially making computing safer, because it would be harder for to gain access to a system's hardware.

ARRL Announces "Happy 150!" Hiram Percy Maxim Birthday Celebration

This year marks the 150th anniversary of the birth of ARRL's first president and cofounder Hiram Percy Maxim (HPM), W1AW, born on September 2, 1869. ARRL will hold an operating event to celebrate HPM's legacy, getting under way at 0000 UTC on August 31, and continuing until 2359 UTC on September 8. The event is open to all radio amateurs.



The goal is straightforward: Contact as many participating stations as possible. W1AW and *all* ARRL members will append "/150" to their call signs during this event (DX operators who are ARRL members may identify as <call sign>/150, if permitted by their country of license.) Participating stations will exchange signal report and [ARRL/RAC Section](#). DX stations will send signal report and "DX." Those taking part may use all Amateur Radio bands, *excluding* 60, 30, 17, and 12 meters.

Permitted modes: CW, phone (any voice modes), and digital. Submit Cabrillo log or ADI files. ARRL will calculate all final scores based on participants' uploads to the ARRL event web app (link not yet active).

The 84 available multipliers only count once. These include the 83 ARRL/RAC Sections (RAC Sections include the Canadian Northern Territories, encompassing VE8, VY1, and VY0) and DX. The W1AW operating schedule during this period may be adjusted as necessary to accommodate on-air celebration operating activities. Contacts with W1AW/150 will earn 3 points each. Contacts with any ARRL member will earn 2 points each. These stations will also identify as <call sign>/150. Contacts with nonmembers will earn 1 point each.

Participants can earn 150 bonus points by:

- Contacting W1AW/150 on each band and mode.
- Uploading entries (ARRL members only).

- Using social media to publicize this event and/or participation before, during, and/or after the event.
 - Operating with 5 W PEP output or less throughout the event.
 - Making at least 20 contacts while operating portable.
 - Completing at least 150 contacts.
- Online certificates will be awarded, and are available [via download](#) only. Updates and results will be [publicized](#).

There are no power or operator categories. Participating ARRL members who use Logbook of The World (LoTW) are encouraged to [create a separate LoTW certificate](#) for uploading <call sign>/150 contacts. Members then should upload logs for this event using their /150 certificates. Submissions must be via the online web app. No email or paper submissions will be accepted.

W1AW, NU1AW to be Headquarters Multipliers for the IARU HF Championship

During the [IARU HF Championship](#) contest July 13 - 14, the ARRL HQ station will be W1AW/7, on the air from Nevada with Tom Taormina,

K5RC, as control operator. IARU Secretariat Club station NU1AW will be on the air from KC1XX in New Hampshire and K1TTT in Massachusetts and counts as the IARU HQ station.



Both single and multioperator stations may operate the entire 24-hour period, and stations may operate on phone, on CW, or on both modes. IARU member-society HQ stations send signal report and official IARU member-society abbreviation (e.g., ARRL).

Members of the IARU Administrative Council and the three IARU regional Executive Committees send "AC," "R1," "R2," and "R3," as appropriate. All other stations send signal report and [ITU zone](#).

Starting with the August issue, QST will list the recipients of W1AW Code Proficiency certificates. (repeat from July)

Key manufacturer [Vibroplex](#) is now sponsoring the certificates, which have been redesigned. The Code Proficiency program has been an ARRL staple for decades. Participants who copy a [W1AW](#)

[qualifying run](#) and submit 1 minute of legible solid copy and the \$10 certificate fee can qualify. Send submissions to W1AW Qualifying Run, 225 Main St., Newington, CT USA 06111. These are checked directly against the official W1AW text, and those demonstrating solid copy will receive an initial Code Proficiency certificate.



Endorsement stickers, which cost \$7.50, are issued for speeds up to 40 WPM. The W1AW Code Proficiency Program is open to hams and non-hams alike. Those seeking to attain a Code Proficiency certificate can listen to W1AW daily code practice sessions, in which the text is taken directly from *QST*, as announced before each practice run. [See page 9 for the next four qualifying runs. - ed]

WWV 100th Anniversary Special Event Operation in the Planning Stages [Repeated from Feb - ed]

It's a celebratory year for the WWV stations, ... marking their 100th year this fall. The [WWV](#)



[Centennial Committee](#) and [NIST](#) will mount a special event station this fall to mark the 100th anniversary of the ... world's oldest continuously operating radio station. ...

Dave Swartz, W0DAS, of the Northern Colorado Amateur Radio Club ([NCARC](#)) is developing plans for an NCARC special event from **September 28 through October 2**, with a NIST centennial observance tentatively set for October 1. ...

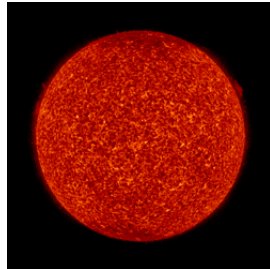
... "The operating site lies outside the security fence simplifying logistics," he said. Swartz hopes Colorado clubs will help make the WWV Centennial a success. More info: <http://wwv100.com/>

Warren Buffett: "The stock market is a device for transferring money from the impatient to the patient."

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: No sunspots were visible over the August 8 - 14 reporting week. Spaceweather.com says 67% of days so far this year have been spotless. For all of 2018, it was 61%. At solar minimum in 2008 and 2009, spotless days ran 73% and 71%, respectively.

Solar flux has been minimal, unremarkable, and barely changed -- edging up from 67.2 to 67.4. Predicted solar flux for the next 45 days is also unremarkable, at 67 for August 15 - September 28.



Predicted planetary A index is 5 on August 15; 8 on August 16; 5 on August 17 - 18; 8 on August 19; 5 on August 20 - 25; 8 on August 26 - 28; 5 on August 29 - 31; 38 and 14 on September 1 - 2; 5 on September 3 - 5; 8 on September 6 - 8; 5 on September 9 - 11; 8 on September 12; 5 on September 13 - 21; 8 on September 22 - 24; 5 on September 25 - 27, and -- in a reoccurrence of geomagnetic activity reported last week and also predicted for September 1 -- 38 on September 28.

In Friday's bulletin, look for reports on recent 10-meter propagation.

Sunspot numbers for August 8 - 14 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7 centimeter flux was 68.6, 67.2, 67.2, 67.6, 67.2, 66.8, and 67.4, with a mean of 67.4. Estimated planetary A indices were 7, 6, 8, 6, 5, 7, and 5 with a mean of 6.3. The middle latitude A index was 6, 7, 8, 7, 7, 8, and 5, with a mean of 6.9.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) K9LA's Propagation Page.

A propagation bulletin [archive](#) is available. [Monthly charts](#) offer propagation projections between the US and a dozen DX locations.

[Share](#) your reports and observations.

ARRL Section, State and Division Conventions / Hamfest in the West or near members:

September 21 - 22 -- [New Mexico State Convention](#), Albuquerque, New Mexico
September 27 - 28 -- [Central Division Convention](#), Milwaukee, Wisconsin
October 11 - 12 -- [PNWVHFS Conference and Meeting](#), Issaquah, Washington
October 18 - 20 -- [Pacific Division Convention](#), San Ramon, California

Find conventions and hamfests [in your area](#).

Just Ahead in Radiosports

August 17 -- Feld Hell Sprint
August 17 - 18 -- SARTG WW RTTY Contest
August 17 - 18 -- [ARRL 10 GHz and Up Contest \(CW, Phone, digital\)](#)
August 17 - 18 -- Russian District Award Contest (CW, phone)
August 17 - 18 -- Keyman's Club of Japan Contest (CW)
August 17, 18 - [North American QSO Party, ssb](#)
August 17 - 18 -- CVA DX Contest, CW
August 18 -- SARL HF Digital Contest
August 18 -- NJQRP Skeeter Hunt (CW, phone)
August 18 -- [ARRL Rookie Roundup, RTTY](#)
August 19 -- Run for the Bacon QRP Contest (CW)
Sept. 28 -- Oct. 2 WWV Centennial Special Event.

The Canadian National Parks on the Air, CNPOTA, operating event runs for the entire year of 2019, with special stations active from Canada's parks and historic sites.

All dates & times are UTC.

THIS WEEKEND ON THE RADIO.

The ARRL 10 GHz and Up Contest, ARRL RTTY Rookie Roundup, **International Lighthouse/Lightship Weekend**, North American SSB QSO Party, QRP 20-Meter CW Fox Hunt, NCCC RTTY Sprint, NCCC CW Sprint, SARTG World Wide RTTY Contest, Russian District Award Contest, Keyman's Club of Japan CW Contest, Feld Hell Sprint, CVA DX CW Contest, SARL HF Digital Contest and the NJQRP Skeeter Hunt will certainly keep contesters busy this upcoming weekend.

Selected DX News (QRV = Ready! or Are you Ready?)

ARLD032 DX news

This week's bulletin was made possible with information provided by The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

TRINIDAD AND TOBAGO, 9Y. Look for 9Y4XD to be QRV from Chacachacare Lighthouse, ILLW TT0002, on Trinidad, IOTA SA-011, during the **International Lighthouse/Lightship Weekend**. QSL #2

MOROCCO, CN. Members of the Royal ARA of Morocco are QRV with special event call sign 5E6A **until Sept. 29** for their National Celebration. QSL direct to EA7FTR.

FEDERAL REPUBLIC OF GERMANY, DA. Members of the newly founded DL-AMSAT Operator Group will be QRV as DA0SAT and with other calls from the Kamp-Karnin-Oberfeuer Lighthouse, ILLW DE0072, during **International Lighthouse/Lightship Weekend**. Activity is on the HF bands. QSL #4

FRANCE, F. A group of operators are QRV as TM0BSM from the Berck-sur-Mer Lighthouse during the **International Lighthouse/Lightship Weekend**. QSL direct to DK5OPA.

PANAMA, HP. Members of the Panama Digital Group and the Radio Association of the Panama Canal will be QRV as H92L during the **International Lighthouse/Lightship Weekend**. Activity will be on 80 to 10M, including 60M, using CW, SSB, RTTY and FT8. QSL via HP1AVS.

MARKET REEF, OJ0. Operators DS4EOI, JE6HIB, JH4RHF and W5XU will be QRV as OJ00 from **August 17 to 24**. Activity will be on the HF bands. This includes being active during the **International Lighthouse/Lightship Weekend**. QSL via OE1ZKC.

FAROE ISLANDS, OY. Alessandro, IZ1AZA will be QRV as OY/IZ1AZA from **Aug. 21 to 26**. Activity will be on 40 to 10 meters using CW and SSB. QSL to home call.

BRAZIL, PY. Members of the GRC DX Group

are QRV with special event call ZY160CAT **until August 30** to celebrate the 160th anniversary of the city of Catalao in the state of Goias. Activity is on 80, 40, 20, 17, 15 and 10 meters using CW, SSB and digital modes. QSL direct to PP2BO.

GREECE, SV, Michele, IW7EGQ will be QRV as SV8/IW7EGQ from Zakynthos Island, IOTA EU-052, from **August 20 to 28**. QSL via M0OXO.

ASIATIC RUSSIA, UA0. Operators Valdimir, RV1CC and Yuri, RM0F are QRV as RV1CC/0 and RM0F/P, respectively, from Iturup Island, IOTA AS-025, **until August 22**. Activity will be on various HF bands. QSL #2

AUSTRALIA, VK. Members of the Warrnambool RAG will be QRV as VK3DX from Portland's Whalers Bluff Lighthouse during the **International Lighthouse/Lightship Weekend**. QSL #2.

MEXICO, XE. Members of the Radioaficionados Yucatecos will be QRV as XF3LL from Cozumel Island, IOTA NA-090, and from the Celarain Lighthouse, ILLW MX0011, during the **International Lighthouse/Lightship Weekend**. Activity is on 40 to 10 meters using SSB, various digital modes, and on various satellites. QSL via EA5GL.

SOLOMON ISLANDS, H4. Bernhard, DL2GAC is QRV as H44MS from Malaita Island, IOTA OC-047, **until September 25**. Activity is on 80 to 6 meters using only SSB. QSL to home call.

GHANA, 9G. Chip, KB1QU will be active as 9G5QU from **September 8 to 21**. Activity will be on 40, 30 and 20 meters using CW, FT8 and FT4. QSL via N4GNR direct.

WESTERN KIRIBATI, T30. Operators Yuris, YL2GM, Jack, YL2KA, Kaspars, YL1ZF and Kristers, YL3JA will be active as T30L from **Sept. 6 to 15**. Activity will be on 160 to 6 meters, and possibly 60 meters, using CW, SSB, RTTY and FT8. QSL via YL2GN direct or via ClubLog.

NAURU, C21. Operators Yuris, YL2GM, Jack, YL2KA, Kaspars, YL1ZF and Kristers, YL3JA will be active as C21W from **September 16 to 25**, after their Western Kiribati operation. Activity will be on 160 to 6 meters, and possibly 60 meters,

using CW, SSB, RTTY and FT8. QSL via YL2GN direct or via ClubLog.

SOLOMON ISLANDS, H4. Operators Michael, DL2GMI and Bernhard, DL2GAC will be QRV as H44MI and H44MS, respectively, from **Aug. 23 to Sept. 2**. Activity will be on 80, 40, 20, 15, 10 and 6M using SSB, RTTY and FT8. QSL via their home call sign, by the Bureau, direct or LoTW.

THE NETHERLANDS, PA75. Special Event station PA75OMG will be active **Sept. 12 to 22** to celebrate the anniversary of freedom and Operation Market Garden during World War II. QSL via the info on QRZ.com.

LIBERIA, A8. The Italian DXpedition Team of 11 operators will be active from **Sept. 28 to Oct. 11**. They plan to use two call signs: A82X for CW, SSB and RTTY and A82Z for FT8 only. Activity will be on 160 to 10 meters using CW, SSB, RTTY and FT8. They are planning to use 5 stations with maximum flexibility. QSL via OQRS, I2YSB direct only or LoTW after the operation.

ANTIGUA, V2. Bud, AA3B will be active as V26K from **Sept. 8 to 20**. Activity will be sporadic but will be primarily CW on HF bands. QSL #4 or #1 or #3. An OQRS will be available via ClubLog.

Long Term: (longer than 1 month)

JAPAN, JA. Special event station 8J7AIZU is QRV until **November 30** to highlight the 120th anniversary of Aizu Wakamatsu City in Fukushima. QSL via JN7GLC.

LORD HOWE ISLAND, VK9L.

DF8AN, Michael to be active as VK9LQ from **Nov. 21 to 27**. Activity will be on 160 to 6 meters using CW, RTTY, FT8 and other Digital modes. QSL #1, #3 or eQSL.

UKRAINE, UR. Special event station EN185UNIV will be **QRV from April 15 to Dec. 31, 2019** to celebrate the 185th year of the Taras Shevchenko National University of Kiev.

SWEDEN, SM. Members of National Association of the Active Seeing Impaired club station SK5CG are QRV with special event station SF50CG during

all of 2019 in celebration of their 50th anniversary. QSL via SM0BYD.

FEDERAL REPUBLIC OF GERMANY, DA. Special event station DM775FLD is QRV **during all of 2019** to celebrate the founding of the town of Friedland 775 years ago. QSL #3

Until 2020

GHANA, 9G. Emil, ZS6EGB is QRV as 9G5ZS until **February 2020**. Activity is on the HF bands using FT8. QSL #4.

ANTARCTICA

[Summer Season November – April]

Notes:

1. QSL direct to home call.
2. QSL via operators' instructions.
3. QSL via bureau
4. QSL via LoTW
5. QSL via Instruction on QRZ.com

Lunch Financials – for June 7, 2019

Attendance: 23

	Starting Lunch Kitty:	\$178.00
Expenses: Pizza(1) & Salads	\$102.00	
Drinks: Soda: 10 @ 0.35 =	\$3.50	
Water 2 @ 0.25 =	\$0.50	
Food Total:	\$106.00	\$72.00
Income: Lunch:	\$111.00	\$183.00
Room Rent-To General Funds:	\$0.00	\$183.00
Starting - Kitty for July Mtg:		\$183.00
<u>[Gain of \$5.00 - \$20.00 for room rent = Loss of \$15.00]</u>		

Lunch Financials – for July 21, 2019

Attendance: 20

	Starting Lunch Kitty:	\$183.00
Expenses: Pizza(4) & Salads	\$102.00	
Drinks: Soda: 9 @ 0.36 =	\$3.25	
Water 2 @ 0.25 =	\$0.50	
Food Total:	\$105.75	\$77.25
Income: Lunch:	\$124.00	\$201.25
Room Rent-To General Funds:	\$0.00	\$201.25
Starting - Kitty for Aug. 20, 2019 Mtg:		\$201.25
<u>[Gain of \$18.25 - \$20.00 for room rent = Loss of \$1.75]</u>		

The way to get rich is to keep \$10 million in your checking account in case a good deal comes along.
- Charlie Munger

AMATEUR RADIO LICENSING EXAMS:

TRW Swap meet at the corner of Aviation Blvd and Marine Avenue in Redondo Beach. 10AM in the Northrop cafeteria. Always the last Saturday of the month – no reservation is required.

(www.W6TRW.com)

ARRL Announces Free Exam Review Website

The ARRL has launched a web site that allows users to take randomly generated practice exams using questions from the actual examination question pool. [ARRL Exam Review for Ham Radio™](#) is *free*, and users do *not* need to be ARRL members. The only requirement is that users must first set up a site login (this is a different and separate login from your ARRL website user registration).

Other Free Exam Practice Sites:

<http://aa9pw.com/radio/technician/>

<http://www.eham.net/exams/>

This Practice Exam site Requires Registration

<https://www.qrz.com/hamtest/>

ARRL LAX Section Officers:

Section Manager: Diana Feinberg, AI6DF

PO Box 4678

Palos Verdes Peninsula. Ca 90274-9618

AI6DF@arrl.org or 310-544-2917

LAX SEC : JIM STOKER AG6EF

4555 ENCINAS DR

LA CANADA FLINTRIDGE CA 9101

818 790 2832

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

www.ARRLLAX.org .

RF Safety – Power Density Web site:

http://hintlink.com/power_density.htm

Links: TRW license test

<http://w6trw.com/index.php/amateur-radio-license-testing/>

PodCast – Amateur Radio News

(The above is a link to an MP3 audio feed)

On-Line Stores / suppliers:

<http://www.impulseelectronics.com/> PowerPole

<https://elkantennas.com> - LPA VHF/UHF Ant.

<http://hamcity.com> - Local – Conn, cables, ants.

<http://www.aesham.com/> - Ham Radio Outlet

<http://www.dxengineering.com>

<http://www.gigaparts.com/>

<http://www.AllElectronics.com> – Parts

<http://TheWireman.com> – Ant. Coax, UV Dacron

ARRL <http://arrl.org>

CQ Mag [http://store.cq-amateur-](http://store.cq-amateur-radio.com/product-category/books/)

[radio.com/product-category/books/](http://store.cq-amateur-radio.com/product-category/books/)

BGMicro <https://www.bgmicro.com/>

HARC Past & Current Presidents

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

1995,6,7,8,9 Brian, AB6UI

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Current President)

Southern California Band Plans:

Tasma – 2 Meters

<http://www.tasma.org/TASMA-2m-Band-Plan.pdf>

220 MHz Spectrum Mngmnt Assoc. of So. Ca

220SMA BAND PLAN

<http://www.220sma.org/bandplan.htm>

SCRRA (Southern California Repeater and Remote Base Assoc.) – 440 mHz (70 cm) and up

<http://www.scrba.org/BandPlans/BandPlans.htm>

W1AW Operating Schedule (Edited - Note: Local time stays the same, UTC varies w/DST)

Morning Schedule:

Winter	Summer	Local	Mode	Days
1400 UTC	1300 UTC	(6 AM PDT)	CWs	Wed, Fri
1400 "	1300 UTC	(6 AM PDT)	CWf	Tue, Thu

Afternoon/Evening Schedule:

2100 UTC	2000 UTC	(1 PM PDT)	CWf	Mon, Wed, Fri
2100 "	2000 "	"	CWs	Tue, Thu
2200 "	2100 "	(2 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM
2300 "	2200 "	(3 PM PDT)	DIGITAL	Daily, Digital Bulletin
0000 "	2300 "	(4 PM PDT)	CWs	Mon, Wed, Fri
0000 "	2300 "	"	CWf	Tue, Thu
0100 "	0000 "	(5 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM
0200 "	0100 "	(6 PM PDT)	DIGITAL	Daily, Digital Bulletin
0245 "	0145 "	(6:45 PM PDT)	VOICE	Daily, Voice Bulletin
0300 "	0200 "	(7 PM PDT)	CWf	Mon, Wed, Fri
0300 "	0200 "	"	CWs	Tue, Thu
0400 "	0300 "	(8 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM

Frequencies (MHz)

CW:	1.8025	3.5815	7.0475	14.0475	18.0975	21.0675	28.0675	50.350	147.555
DIGITAL:	-	3.5975	7.095	14.095	18.1025	21.095	28.095	50.350	147.555
VOICE:	1.855	3.990	7.290	14.290	18.160	21.390	28.590	50.350	147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM

CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM

CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud) BPSK31 and MFSK16 in a revolving Schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and alternate speeds.

W1AW Qualifying Runs:

1 PM PDT Thur Aug 22 (2000 UTC) – on CW Frequencies listed above, 10 to 40 WPM

7 PM PDT Fri Sept 6 (0200 UTC Sept 7)

4 PM PDT Wed Sept 18 (2300 UTC)

West Coast Qualifying Runs:

9 PM PDT Wed Aug 28 (0400 UTC Aug 29) by K9JM on 3590 & 7047.5 kHz

2 PM PDT Sat Sept 28 (2100 UTC) by K6KPH on 3581.5, 7047.5, 14047.5, 21067.5; 10 – 35 wpm

Earn your Code Proficiency certificate by legibly coping at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying for an endorsement (available for speeds up to 40 wpm). Your test will be checked against the actual transmissions to determine if you have qualified.

Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here, also. The audio (real-time) runs concurrently with W1AW's regular transmission schedule.

The Straight Key Century Club (SKCC):

http://www.skccgroup.com/member_services/beginners_corner/

SKCC Beginner's Corner (Headings from the above Web site)

Monthly Straight Key Night (SKN) is on the 1st of each month. It is not a contest. No logs are submitted.

The event, was inspired by the ARRL's annual SKN. The SKCC's founders wanted to have SKN monthly. The tradition continues!

The Elmer frequency is **7114 KHz**. It's a safe haven for CW new-comers. Elmers are encouraged to monitor the frequency and work the CW beginners, some of whom may have had a license for many years.

2018 – 2019 CLUB OFFICERS**Elected Officers:**

PRESIDENT:	Mike, N6MDV	President at W6HA.com
VICE PRESIDENT:	Raul, KM6NRL	W6HA_VicePresident at W6HA.com
SECRETARY:	Judi, KI6TKT	W6HA at W6HA.com
TREASURER:	Alice, KK6MFL	Treasurer at W6HA.com
STATION MANAGER:	Brian, AB6UI	W6HASTationMgr at W6HA.com
Immediate PAST PRES.:	Dale, WB6MMQ	W6HA at W6HA.com

Committees:

NEWSLETTER EDITOR:	Dale, WB6MMQ	W6HA_Editor at W6HA.com
WEB MASTER:	Mike, N6MDV	W6HA at W6HA.com
MEMBERSHIP:	Dale, WB6MMQ	W6HA at W6HA.com
SCRRBA REP:	Ray, WA6NVL	WA6NVL at ARRL.net
MEETING HOST:	Dale, WB6MMQ	W6HA at W6HA
Asst. Host:	Howard, KE6MAK	W6HA at W6HA
FIELD DAY :	Mike, Dale, Raul, Richard	Fieldday at W6HA.com
MEMBERSHIP:	Dale, WB6MMQ	W6HA at W6HA.com
NET COORDINATOR:	Raul, WA6NVL	W6HA at W6HA.com
YAHOO GROUPS MOD:	Richard KM6FP	W6HA at W6HA.com (http://groups.yahoo.com/w6ha)
CLASS MODERATOR:	Mike, N6MDV	W6HAClass at W6HA.com
RAYTHEON SAS ECT:	Ken, KI6YDN,	KSIMP1022 at AOL.com
CLUB REPEATER: W6HA/R	445.620 MHz (-) PL 127.3 Hz	Location: Bldg. R1 roof
	Packet (node :hughes) 145.61s W6HA	

HARC Repeater Nets: Wednesdays, 7:30 PM (0200 UTC Thursdays) (Just Started Sept. 2018)
Thursdays, 12:05PM (1900 UTC) RTN ECT – All are welcome

South Bay ARC Net: Thursdays at 7:30 PM on W6SBA/R, 224.38, PL 192.8

LAFD CERT Net: 1st Monday of the month, 7:00 PM (0200 UTC Tuesday)

HAC HF NET: HARC & Retired 14.233 Mhz, Tuesdays, 13:00 PDT – Currently Inactive

Club Shack: The club shack is in E1, Lobby D. There is a Kenwood TS-520 HF radio connected to an 40 –10 meter antenna. This station is open to all club members. (I would be happy to give a tour of the HF station in "Lobby D" to club members. Brian, AB6UI, Station Manager)

Club Newsletter: If you have items that would be of interest to the club, any comments, letters, or items for sale or trade please email it to Dale, WB6MMQ W6HA at W6HA.com. If anyone needs a club application, please contact Paul, KK6TAC or Dale, WB6MMQ and one will be sent to you.

Club Roster: Hardcopy available at meeting or contact the club membership chairman Dale, WB6MMQ

Web Site: <http://W6HA.com> or W6HA.com

The Hughes Amateur Radio Club is an ARRL affiliated club for FCC-licensed amateur radio operators and their family members. Membership is open to all Amateur Radio Operators and those who are aspiring Amateur Radio operators.
