



Historic Route 66 Special Event

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
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September 2023

Editor Georgeann Vleck KB3PGN

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President	Joe Miko WB3FMT
Vice-President	Rob Ballou AE3B
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Corresponding Secretary	Pat Stone AC3F
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Club Nets	Joe Miko WB3FMT
Contests	Bob Venanzi ND3D

Website: <http://w3pga.org>

Facebook: <https://www.facebook.com/pages/Aero-Amateur-Radio-Club/719248141439348>

About the Aero Amateur Radio Club

Meetings

The Aero Amateur Radio Club meets at 7:30 pm on the first and third Wednesdays of the month at Essex SkyPark, 1401 Diffendall Road, Essex. Meetings begin at 7:30 p.m. local time. Meetings are canceled if Baltimore County Public Schools are closed or dismiss early.

Repeaters

W3PGA 2 M: INPUT : 147.84 MHz, OUTPUT : 147.24 MHz, PL 123.0
W3PGA 70 Cm: INPUT : 444.575 MHz, OUTPUT : 449.575 MHz, PL123.0
W3JEH 1.25 M: INPUT : 222.24 MHz, OUTPUT : 223.84 MHz

Club Nets

Second Wednesday Net – 70 Centimeters (449.575 MHz Repeater) @ 8 p.m. Local Time
Fourth Wednesday Net – 2 Meters (147.24 MHz Repeater) @ 8 p.m. Local Time
Fifth Wednesday Net – 10 Meters (28.445 MHz) @ 8 p.m. Local Time

Radio License Exams

The Aero Amateur Radio Club sponsors Amateur Radio License Exams with the ARRL VEC. Examination sessions are throughout the year. Walk-ins are welcome; arrive no later than 30 minutes after start time. \$15 charge.

2023 Examination Schedule

Time:	11 am-2 pm	11 am-2 pm	11 am-2 pm
Dates:			Sat.,
Where:	American Legion, Rosedale	Essex SkyPark	

American Legion Post 180, 1331 Seling Ave., Rosedale, MD 21237

Contact: Patricia Stone AC3F, email: ac3f@juno.com, landline: 410-687-7209

LOCAL AREA NETS

Day	Time	Freq. (MHz)	Net Name
Daily	9 – 10 am	146.67 0	Oriole Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	146.670 PL 107.2	Balto. Traffic Net
Daily	7 pm & 10 pm	3.643	MD/DC/DE Traffic Net
2 nd Tue	7:30 pm	146.670	Baltimore County RACES Net
2 nd Wed	8 pm	449.575	Aero ARC Net
4 th Wed	8 pm	147.240	Aero ARC Net
5 th Wed	8 pm	28.445	Aero ARC Net
When activated by NOAA		147.030	SkyWarn (primary)

From the President's Desk

Field Day 2023

August 28, 2023

I wish to thank all the Aero Amateur Radio Club members for supporting and participating in Field Day 2023. The event was, as always, a success. The one major factor for the Club's success this year was, as in previous years, its operating location, the Essex Skypark, in Essex, Maryland. With a roster of **39** Aero members, **20** were able to participate either operating or in some other support activities. Not bad, not bad at all! 51.2% of the club members participated, that is a fine turnout for any club.

During the 24-hour event we had **10** operators from Aero; that is a **25.6%** operator turn out. Set-up went smoothly because of the members who arrived early Friday afternoon. By 6 pm that day all 4 HF radios and associated laptops were set up and ready, as well as the new Mosley TA-31 Jr. 10-15-20-meter single element beam, 3 Off Center Fed Dipoles (OCFD), and a Multi-Band vertical antenna owned by Steve KD3TP. Additional members were on hand early Saturday morning to assist in any final preparations. With all the teamwork and hard effort, everything was ready and operational by 11 am Saturday. A safety briefing was given by Cathy W3CLF, a new club member and a Harford County EMT.

The radio configuration this year was 4A, one station running the newly acquired Mosley Tri Band Dipole running 10-15-20 meters single-element beam using a newly repaired rotator, fixed by Dave Fredrick KB3KRV. The other three stations were connected to OCFDs.

There was also a VE session in the Fix Base Operation (FBO) building, next to the Community Hanger. Testing started at 12 noon with **3** applicants, with **2** passing.

The weather during Field Day was hot and humid, with temperatures in the mid-90s and light winds. On Saturday afternoon we lost about 1½ hours due to a couple of passing thunder storms.

No elected delegates were able to make an appearance during FD this year because of a recent redistricting in our part of the county. Major Richard Hoerner from the Dundalk Chapter of the Civil Air Patrol was on hand for Saturday's safety briefing, and to see our Field Day setup.

The 20-meter beam with rotor was raised. Things were looking good. Now let us try the rotor. This was the first time in recent history that the rotors in the equipment trailer were used and unfortunately that is how it worked. Rob AE3B was able to work with a sometimes-working rotor and did a great job nursing it along.





Susan Landis, Bob's XYL, prepared dinner for the club on Friday. Menu was BBQ pulled chicken with calico beans and a tossed green salad, with fixings, dressings, and rolls and a dessert. Not to be forgotten were the cookies! three kinds, sugar, chocolate chip and chocolate peanut butter chip. After dinner people looked for a place to nap.

Speaking of a nap, while I was taking a nap in the FBO sometime after 2 am, I was found by Steve KD3TP, who promptly left and went to get Keon KE3HAY. I later found out it was not for a wellness check! It was where to hide the body!!

The next event was to be an overhead pass of the International Space Station (ISS). This lab orbits at about 248 miles above the Earth and moves 17,500 mph (5 miles per second), circling the Earth every 90 minutes. This pass was to occur at 05:00 am from West to East. Contact was not attempted because of the overcast sky – better luck next year.

At about 11:00 am Sunday morning, Don Jennings N3FQC, the Baltimore Traffic Net Manager arrived at our location and BTN messages were passed between stations. Don was given a tour of our set-up and shown the Aero club's display panels, which were designed by Rob AE3B.

But that is not all. At about 8:15am Sunday morning Sue brought breakfast for the members on-site – sausage, egg, and cheese in a warm biscuit.

Some Firsts: Ran as 4A

Super setup time on Friday

Use of the club's repaired rotor for the new 10-15-20 single element beam.

Operational as of 11:00 am on Saturday

Breakdown by 4:00 pm on Sunday

Special thanks go to the following people:

Jerry Cimildora N3VBJ/SK, who donated two complete HF stations, and one HF/VHF/UHF station to the Aero ARC, along with power supplies, speakers, headsets and a host of other equipment

Warren Hartman W3JDF/SK for towers, lights, cables, etc.

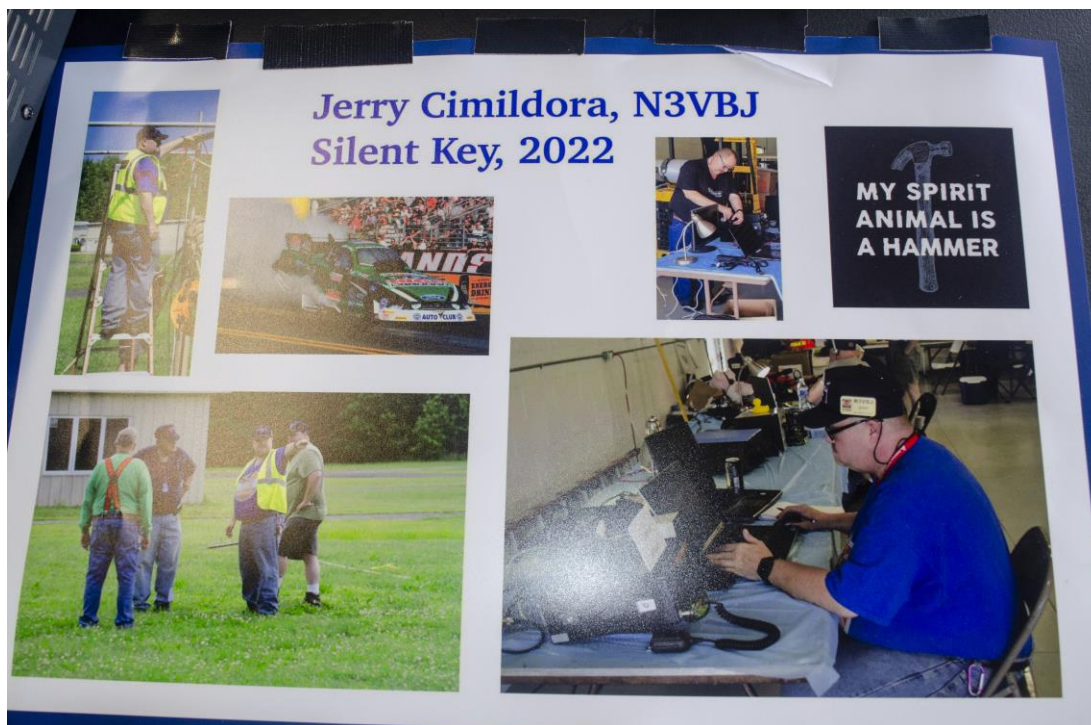
Rob Ballou- Aero ARC logo signs, display, directional signs, and other FD graphics

Susan Landis – Saturday dinner with dessert and cookies & breakfast

Bob Landis – setup, coffee, FD computer set-up and LAN connections

Dave Fredrick – helping with setup, solar panels, electrical tie in

Marty Braun – setup and returning equipment



Again, thanks to all who came and helped out in any capacity, whether operating or other supporting modes.

Band	CW	Phone	Digital	Total	%
80	24	15	0	39	13.5
40	18	118	0	136	47.3
20	8	69	0	77	26.8
15	11	21	0	33	11.1
10	2	1	0	3	1.1
Total	63	224	0	287	100

We made 700 QSO points and 1,250 Bonus points for a Total of 1,950, 41 States, Puerto Rico (and NO, we didn't get Delaware) with **287** contacts. But we did get Spain as a DX contact.

We also had one of the biggest turnouts in memory with 21 people working or visiting the Aero FD site on Saturday or Sunday for FD 2023.



Thanks to all who helped make this a safe and successful Field Day event.

Joe Miko
WB3FMT

More Club News

Search for the Missing PanAm Flight #229, July 30, 1928

AERO ARC hosted a Special Event for a Lost China Clipper Flight 229 from California to Manila. This special event station ran from noon Friday, July 28, 2023 thru noon on Sunday, July 30. The flying boat was in contact with Manila at 04:11 GMT. They were approximately 582 nautical miles ESE of Manila. They were requested to provide an hourly weather report, and the radio operator requested that Manila give them a few minutes to prepare one. Manila waited a few minutes and called the Hawaii Clipper. No response from the crew of flight #229. In a span of less than ten minutes 15 passengers and crew of Pan Am flight #229 were lost.

The Plane and the History in Middle River.

The flying boats were designed and built by the Glenn L. Martin aircraft company located in Middle River, Maryland. These flying boats were called the Martin Ocean Transports M-130, but to the public

they were the "China Clippers," a name that became a generic term for the Pan American's large flying boats, including a smaller Sikorsky S-42 first flown in 1931 and the larger Boeing 314, first flown in 1938.

In total there were three M-130 flying boats produced by Martin's: the China Clipper, the Philippine Clipper, and the Hawaii. The first flight of the Flying Boat was December 30, 1934, and in service November 22, 1935.



In 1938, a flying boat named the [Hawaii Clipper](#) mysteriously [vanished](#) over the Pacific Ocean with 15 American passengers and crew aboard. Startling evidence points to the possibility the Hawaii Clipper was hijacked by Japanese secret agents for the purpose of reverse-engineering the technically advanced engines to be used in Japanese military aircraft; aircraft that were ultimately used in the infamous attack on Pearl Harbor.

The rescue mission for the Hawaii Clipper is one of the most mysterious stories of which few people have ever heard. With a backdrop of the Japanese syndicate, espionage, a US President's role, American war heroes, pioneering aviation technology, and the elusive presence of Amelia Earhart, this untold story could reshape our understanding of history, even altering the genesis of World War II.

What happened to the passengers and crew?

[The Lost Clipper Investigative Team](#) believes they were murdered and their remains buried on a small remote island in the Pacific Ocean. Coincidentally, or not, one of the passengers on board was carrying \$3 million (\$64+ million today) in gold bank notes for the ransom payment for Amelia Earhart months prior.



This is a never-before-told story that is possibly the greatest unsolved yet unknown crime in U.S. history. This is one that could rewrite history and change the actual start date of World War II between the United States and Japan.

Fifteen unwitting souls, some on a covert mission to deliver a ransom in exchange for Amelia Earhart, were the victims of the world's very first mid-air hijacking by a government that had not yet declared war on the United States and it is our mission to bring their remains back to their families with the honor they rightfully deserve.

The Lost Clipper Team is looking for [benefactors, contributors, and philanthropists](#) to raise money to return to that tiny remote Pacific island and conclusively determine the ultimate fate of the missing passengers and crew of the Hawaii Clipper. [\[Learn how\]](#) you can be part of this transformative mission. Link address: www.lostclipper.com

AERO's ARC Part

In June I received an email from Jim Janicki WB3FMS, requesting our club's help in running a special event station for the Lost Clipper. Jim is one of a group planning to go to Micronesia and help in a Search and Recovery of the crew and aircraft.

I have worked contests before but was never the event holder. We requested and were given the FBO from noon on Friday through noon on Sunday, July 28 – 30, 2023. Two stations were set up, one running the Mosley TA-31 Jr Rotary Dipole, which runs 10, 15 or 20 meters. We went on the air with a special event call sign for the event the script was as follows:

K 1 H
KILO ONE HOTEL

- This Is "A Memorial special event for the 15 passengers and crew of PanAm Flight 229 that vanished without a trace on this day in 1938.
- The aircraft was a Martin M-130 manufactured here, near Baltimore, MD.
- "Lost Clipper" is a team of explorers who plan to return to Micronesia in February to find the remains of the crew and passengers.
- QSL via Ken, N2ZN (November 2 ZULU NOVEMBER)
- For more information go to QRS.com or www.lostclipper.com

The Aero club provided 4 operators for the event station. The operators were Larry KB3QWC, Cathy W3CLF, Steve KD3TP and Joe WB3FMT and event organizer Jim WB3FMS. (Jim and I got our ham licenses the same afternoon in the spring of 1977). The club was able to get a total of 82 contacts for the event.

A radio note about a voice on the air! The gravelly voiced, cantankerous guys were able to make contact now and then, we are used to it. As we told Cathy to try her hand at it. We did warn her of the YL Effect, that is when a YL's voice is heard on the radio, the frequencies will part, and people will get in line (some shoving) to talk to the YL.

Oh, Ye of Little Faith, Cathy got behind the mic, and, for the next hour she was the center of ether conversation. Her voice caused a pileup, she logged over 22 contacts at a single sitting, fantastic job Cathy. Withdrawing from the mic she became the believer of the YL voice. And she is featured in the Lost Clipper web site making a contact.

Saturday's dinner was provided by Jim WB3FMS from Pizza John's, just down the road a piece. All went well with the special event station, and we wish Jim and his fellow adventures Good Luck AND God Speed.

Article copied from the Lost Clipper, Martin M-130 and notes from the Special Event.

Joe Miko
WB3FMT

FYI

Saturday, September 16 Essex SkyPark will have its **Wings and Wheels** event.

Net Reports

8/9/23: 440 net, 20:00 to 20:30 local.

W3PGA NCS Joe Essex, KC3HXL Joel Essex, KB3QWC Larry Middle River, K3DON Don Joppatowne

4 participants on the net

8/23/23: 2m net, 20:00 to 20:18 local.

W3PGA NCS Joe Essex, K3DON Don Joppatowne, AC3F Pat Middle River, WA3QYL Tom Middle River

4 participants on the net

8/30/23: Aero ARC attempted to have a **10m net**. It ran from 20:00 to 20:12 local, unable to raise anyone.

W3PGA NCS Joe Essex

VE CORNER

by Pat Stone, AC3F

No report.



Hamfests

Saturday, September 9, 2023: Delmarva ARC Swapmeet, 8 am – 2 pm

Location: QTH of Al Waller K3TKJ, 34087 Old Hickory Rd., Laurel, Del. 19956 near intersection with Susan Beach Rd.

Contact: Jim Jester KC3ITR, 443-366-5677 or Arthur Parks N3EAK, amparks6@gmail.com

Talk-in: 146.22/82 R

Saturday, Sept. 9, 2023: Hagerstown Tailgate Fest

Location: Maugansville Bible Brethren Church, 17904 Binkley Ave, Maugansville, MD 21767

Sponsored by: Antietam Radio Association (ARA)

Website: w3cwc.org

General Admission \$5.00 (Children 12 & under free)

Visit website for detailed information.

Sunday, October 1, 2023: CARA Fest

Location: Howard County Fairgrounds, 2210 Fairgrounds Road, West Friendship, MD 21794

Website: <https://www.carafest.org>

Sponsor: Columbia Amateur Radio Association

Talk-In: 147.390 MHz/R+ 156.7 Hz

Public Contact: Michael Olson, K3RMO, PO Box 911 Columbia, MD 21044, Phone: 410-497-4125,

Email: k3rmo@columbiaara.org

Saturday, Oct. 14, 2023: Southern Maryland Tailgate Fest

Location: Hollywood Volunteer Fire Department, 24801 MD-235, Hollywood, MD 20636

Website: <http://k3hki.org>

Sponsor: St Mary's County Amateur Radio Association

Type: ARRL Hamfest

Talk-In: 147.195+ PL156.7

Public Contact: Jon Sheldon , N3AK, PO Box 363 Patuxent River, MD 20670, Phone: 301-904-9286

Email: n3ak.jon@gmail.com

Sunday, October 22, 2023: Carroll County, MD Hamfest

Location: Door to Virtue Masonic Lodge, 46 Monroe St., Westminster, MD 21157

Website: <https://k3pzn.net/>

Sponsor: Carroll County Amateur Radio Club

Talk-In: 145.410 (-) , 114.8 Hz PL

Public Contact: Pete Hiltz , WV3S, 5623 LaSalle Ln Sykesville, MD 21784, Phone: 443-280-0385, Email:

radio-k3pzn@googlegroups.com

SPECIAL EVENTS

2023 Route 66 On the Air Special Event September 9 - 17

Begun by the Northern Arizona DX Association (NADXA) and now coordinated by the Citrus Belt Amateur Radio Club (CBARC) in San Bernardino, CA, this is the 24th year for this event. 21 special event stations along Historic Route 66 from Santa Monica, California, to Chicago, Illinois, are expected to participate in 9 days of operating opportunities

The special event celebrates the history of the Mother Road that began in 1926, when US Highway 66 was opened. It was the first major improvement to the link between the west coast and the nation's heartland. Through stories, songs, and TV shows, the highway came to symbolize the freedom of the open road, inspiring many to see America in its entirety. The decline of Route 66 began in the 1950's, as construction began on the new interstate highway system. US Route 66 was officially decommissioned in 1986, but today, several portions of the original highway still exist in several states.

More information on the event will be available soon at the [Citrus Belt Amateur Radio Club \(CBARC\)](#) website or on their [Facebook](#) page.

Source: The ARRL Letter for August 3, 2023

CALLING ALL AMATEURS

Marine Corps Marathon Ham Volunteers Registration Website

Please consider helping the Marine Corps Marathon as a Ham Volunteer. About 150 Hams are needed to provide radio communications support to the MCM leadership team.

Based on input from early registrants, the MCM Ham leadership team has streamlined the sign up process, and the signup URL remains: <https://hamcommunity.com/mcm-register>

Please talk it up on the various ARES nets, and don't forget to post to your social media or general blog sites. The MCM will be held on Sunday, October 29th.

HAM NEWS

From the Section Emergency Coordinator--WB3KAS 2023 Simulated Emergency Test Update #1

The MDC Section SET will be conducted on October 7, 0900 - ~1200. It is a scored nationwide full-scale emergency communication exercise involving ARES and other organizations. It is an essential training for all ARES Groups and NTS as well.

We are putting on a 'SET Roadshow' through the time remaining until October 1. We have seven ARES Groups and clubs signed up to hear the details, either in person or on Zoom. If you plan on participating in the MDC Section SET and wish to hear all about it, contact me for an open evening, and we will make it happen. Contact me at: wb3kas@arrl.net

We have done CALV, HARF, HOWA and STMA. PRGE on Aug 21. With 20 counties in the Section, I am hoping to hear from the remaining. Plenty of dates open. Zoom or Face-to-Face. Let me know soon.

I have arranged for APRS Trackers from around the U.S. to support us, so it behooves us to have a 'broadway' showing of participants. This will be our new Section Manager's first SET. Let's show him the can do attitude we have for the Section. Contact me at wb3ksd@arrl.net.

v/r,

Jim Montgomery

MDC Section Emergency Coordinator, wb3kas@arrl.net

Source: MDC Section News August – 2023, MD-DC Section Manager Christopher D Van Winkle, AB3WG, ab3wg@arrl.org

Amateur Radio Operators Serve in Hawaii Firestorm Relief Efforts

ARRL members, in the Hawaii Amateur Radio Emergency Service®, ([Hawaii ARES®](#)), continue to respond following to the deadly wildfires on the island of Maui. The radio amateurs are coordinating with state and local officials during the response and recovery effort. On August 15, an HF SHARES gateway, and an amateur VHF VARA FM gateway were brought back online, after having been damaged. Local hams continue to update lists of frequencies and repeaters that can be used in the response.

ARRL Headquarters staff have been in daily contact with member-volunteers on the island. "Our thoughts and prayers go out to the people of Hawaii and especially the island of



Fire Damage at Wailuku, HI
(Dominick Del Vecchio/FEMA, photo)

Maui," said ARRL Director of Emergency Management Josh Johnston, KE5MHV. "ARRL was in initial contact with Section Manager [of the ARRL Pacific Section] Joe Speroni, AH0A, on Wednesday, August 9, and we have had daily briefs with him. This is an exceedingly challenging time for Hawaii, and we will be available as needed."

ARRL has offered equipment through ARRL Ham Aid, a program established in 2005 and funded by donations, Ham Aid makes emergency communications equipment available to amateur radio organizations during disasters.

Johnston emphasized that most amateur radio communications, including relayed messages are being handled on the existing repeater system in the state. On shortwave, HF stations across Hawaii are operating nets on 7.088 MHz.

On August 8, wildfires fueled by strong winds began burning in Maui, and by the next day, much of Lahaina had been destroyed. As of press time, 110 people have been killed in the blaze and 2,200 structures have been destroyed; 86% of those structures were residential, according to Hawaii Governor Josh Green.

Read more in [ARRL News](#).

Source: The ARRL Letter for August 17, 2023

Picnic and POTA

The Indianapolis Radio Club's First Picnic & POTA (Parks on the Air) event was held on July 29 at the Cherry Tree Shelter, in Fort Harrison State Park. The event was a hit! The weather wasn't bad for late July in Indiana: no rain and temperatures in the mid 80s. I counted more than 40 people in attendance, with

several members' significant others and a few kids in the group. Thanks to Kevin Colbert, KD9MNB, for reserving the shelter and coordinating the food for the picnic. Special thanks to Jeff Hammer, N9NIC, for graciously accepting the duties of chef for the event. Kyle Bandy, KC9GLR, provided a POTA station, and, along with Mike Hanson, WB7CUM, and Paul Filliman, KD9QFM, made 39 POTA contacts using the club's call sign, W9JP.



Photo by Ken Bandy, KJ9B

By Indianapolis Radio Club Secretary/Treasurer Ken Bandy, KJ9B

Source: ARRL Club News for August 15, 2023

From the Skies over Mt. Essex

SKY Events for September 2023

EDT (EST +1)		
Date	EST (h:m)	Event
Sep 03	02:44	Moon at Ascending Node
04	14:44	Jupiter 3.3°S of Moon
05	14:25	Pleiades 1.2°N of Moon
06	06	Mercury at Inferior Conjunction
06	17:21	LAST QUARTER MOON
09	22:32	Pollux 1.5°N of Moon
12	10:42	Moon at Apogee: 406289 km
12	21:00	Regulus 4.1°S of Moon
14	20:40	NEW MOON
16	14:19	Mars 0.7°S of Moon: Occn.
17	10:12	Spica 2.4°S of Moon
17	14:18	Moon at Descending Node
19	05	Neptune at Opposition
21	02:50	Antares 0.9°S of Moon
22	08	Mercury at Greatest Elong: 17.9°W
22	14:32	FIRST QUARTER MOON
23	01:50	Autumnal Equinox
23	13	Mercury at Perihelion
26	20:25	Saturn 2.7°N of Moon
27	20:05	Moon at Perigee: 359911 km
29	04:57	FULL HARVEST MOON
30	11:49	Moon at Ascending Node

Planet Lookout at mid-Month DST Sunrise 06:44 EDT and Sunset 19:10 EDT

Mercury Morning Rise 5:37, Set 18:27 Mag +1.1 Size 8.6 arc seconds.

Venus Morning Rise 3:50, Sets 17:04, Mag -4.5 40.2 arc seconds.

Mars Evening Rises 08:21, Sets 19:59, Mag +1.7 and 3.7 arc seconds wide.

Jupiter Morning Rise 21:26, Set 11:08 Mag -2.7 Size 45.8 arc seconds

Saturn Morning rises 18:18, Sets 05:11; Mag +0.5, size 18.9 arc seconds

Uranus Evening Rises 21:45 Sets 11:48, Mag +5.8 size 3.3 arc seconds.

Neptune Morning 19:17. Sets 07:09; Mag +8.0 size 2.4 arc seconds.

A Cut above the rest!

Occam's Razor: a scientific and philosophical rule that entities should not be multiplied unnecessarily, which is interpreted as requiring that the simplest of competing theories be preferred to the more complex or that explanations of unknown phenomena be sought first in terms of known quantities.

Occam's razor, also spelled **Ockham's razor**, also called **law of economy** or **law of parsimony**, principle stated by the [Scholastic](#) philosopher [William of Ockham](#) (1285–1347/49) that *pluralitas non est ponenda sine necessitate*, “plurality should not be posited without necessity.” The principle gives [precedence](#) to simplicity: of two competing theories, the simpler [explanation](#) of an entity is to be preferred. The principle is also expressed as “Entities are not to be multiplied beyond necessity.”

The principle was, in fact, [invoked](#) before Ockham by [Durandus of Saint-Pourçain](#), a French [Dominican](#) theologian and philosopher of dubious orthodoxy, who used it to explain that abstraction is the [apprehension](#) of some real entity, such as an [Aristotelian cognitive species](#), an active intellect, or a [disposition](#), all of which he spurned as unnecessary. Likewise, in [science](#), [Nicole d'Oresme](#), a 14th-century French physicist, invoked the law of economy, as did [Galileo](#) later, in defending the simplest [hypothesis](#) of the heavens. Other later scientists stated similar simplifying laws and principles. ^{1 encyclopedia Britannica}

The razor in Occam Razor is not a name but an idea to prune the proposed theory to the least common elements.