

THE AERO AERIAL



New Extra KB3EK

The newsletter of the Aero Amateur Radio Club
Middle River, Md
Volume 9 Issue 5
May 2012

Editor Frank Stone AC3P

Officers

Joe Miko	WB3FMT	President	Repeater
Bob Venanzi	ND3D	Vice-President	VE Testing
Lou Kordek	KB3LJF	Recording Secretary	Public Service
Pat Stone	AC3F	Corresponding Secretary	Webmaster
Warren Hartman	W3JDF	Treasurer	Trustee
Ron Distler	W3JEH	Resource Coordinator	Club Nets Contests

Committees

Phil Hock W3VRD
Pat Stone AC3F
Bob Landis WA3SWA
Al Alexander K3ROJ
Frank Stone AC3P
Joe Miko WB3FMT
Bob Venanzi ND3D

ABOUT THE AERO AMATEUR RADIO CLUB

Meetings: First and Third Wednesdays at 7:30 pm at Coffman's Diner
(Middle River and Orem's Rd.)

Nets: See Local Area Net Schedule

Repeaters: W3PGA (147.24 MHz - / 449.575 MHz -)
W3JEH (223.84 MHz -)

LOCAL AREA NETS

Day	Time	Frequency (MHz)	NET NAME
Daily	9 – 10 am	147.23	ORIOLE Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	146.670	Baltimore Traffic Net
Daily	7 pm and 10 pm	3.643	Maryland/DC/Delaware Traffic Net
1 st Tues	7:30 pm	145.330	Baltimore ARES Net
2 nd Tues	7:30 pm	146.670	Baltimore County <u>RACES</u> Net
2 nd Wed.	8 pm	28.445	AERO ARC Net
4 th Wed	8 pm	147.240	AERO ARC Net
5 th Wed.	8 pm	449.575	AERO ARC Net

Aero Net Reports

March

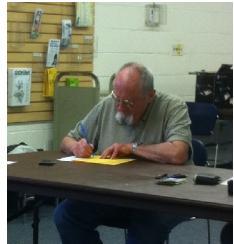
10 Meters: AC3P(NCS) WB3FMT W3VRD W3PG KB3EK KB3LJF
70 Cm: WB3FMT (NCS) AC3P W3JEH KB3JDE KA3SNY KB3EK

Ed Note: 2 meter repeater was down so net moved to 440 Repeater.

Station Activities

KB3JDE is now portable 4. **AC3F** and **AC3P** are back from 4 land. A speedy rehab to **W3JEH**.

VE Corner by AC3F



General KB3YJT



General KB3QAX

It was the Luck of the Irish spread out at the Essex Library for the Aero Club's St. Patrick's Day VE Test Session. Four applicants appeared for testing and all four passed their exams.

Congratulations to Chuck Whittaker, KB3EK on passing the Extra. Kudos also to Ken, KB3QAX on also making General and to returning ham Mark Lamos, KB3YJS, for his General and to new ham, Eric Carl Sr., KB3YJT, in following his son's footsteps by also attaining General Class.

Thanks to VE's KB3LJF, KB3KRV, WB3FMT, AC3P and ND3D for their help.

T-MARC

February 2012

Applications in Process:

DelMarVa VHF & Microwave Soc - Received application for coordination for UHF pair in Bluemont, Va. Sent Notice of Proposed Coordination to neighboring coordination groups

DelMarVa VHF & Microwave Soc - Received application for coordination for UHF pair in Haymarket, Va.

KB3AVZ - Conflict with second pair. Resent Notice of Proposed Coordination with another pair.

Montgomery Amateur Radio Club - Sent Notice of Proposed Coordination for ERP increase and bandwidth change.

KD8DWU - Sent coordination for 927.5875 at Linden, Va.

KF4UCI - Sent Notice of Proposed Coordination to neighboring coordination groups and co-channel system in TMARC area. Sent Construction Coordination for 444.4000.

Central Md. Amateur Radio Club - Received request for change of sponsorship to Prince George's County Emergency Radio Association (PGCERA). TMARC Board approved. Cancelled coordination to CMARC. Issued coordination to PGCERA

Waldorf Repeater Support Group - Received request for name change to Calvert Amateur Radio Club. Received Certificate of Operational Status Sent Final Coordination.

W3VLG - Received Application for Coordination for 6 meter pair in Berkeley Springs, W. Va. Returned application for clarification of parameters. Received corrections. Sent Notice of Proposed Coordination to neighboring coordination groups

K3OCM - Received application for UHF Narrowband repeater in Towson, Md. Sent Notice of Proposed Coordination to neighboring coordination groups

Ole Va. Hams Amateur Radio Club - Received Certificate of Operational Status of 146.865 in Manassas, Va. Sent Final Coordination

Coordinations Withdrawn / Cancelled:

923.2500 WB4APR Annapolis, Md.

On Air Status Requests sent to:

145.3200 WS4VA Stafford, Va.
923.2500 WB4APR Annapolis, Md.

Other:

Received 2 VHF Notice of Proposed Coordinations from Western Pa. Repeater Council
Received 1 UHF Notice of Proposed Coordinations from South East Repeater Association
Received 1 220 Notice of Proposed Coordinations from South East Repeater Association

ANNUAL ARMED FORCES DAY CROSSBAND MILITARY/AMATEUR RADIO COMMUNICATIONS TEST (14 MAY 2011)

The Army, Air Force, Navy, Marine Corps, and Coast Guard are co-sponsoring the annual military/amateur radio communications tests in celebration of the 61st Anniversary of Armed Forces Day (AFD). Although the actual Armed Forces Day is celebrated on Saturday, May 21, 2011, the AFD Military/Amateur Crossband Communications Test will be conducted 14 May 2011 to prevent conflict with the Dayton Hamvention (20-22 May 2011), which is the same weekend as the actual Armed Forces Day.

The annual celebration features traditional military to amateur cross band communications SSB voice and Morse Code tests. These tests give Amateur Radio operators and Short Wave Listeners (SWL) an opportunity to demonstrate their individual technical skills, and to receive recognition from the appropriate military radio station for their proven expertise. QSL cards will be provided to those stations making contact with the military stations.

MILITARY-TO-AMATEUR CROSS BAND SSB & CW TEST CONTACTS.

Military-to-Amateur cross band operations will take place on the dates/times in ZULU (UTC), and frequencies listed below for each station. Voice contacts will include operations in single sideband voice (SSB). Some stations may not operate the entire period, depending on propagation and manning.

Participating military stations will transmit on selected Military MARS frequencies and listen for amateur radio stations in the Amateur bands indicated below. The military station operator will announce the specific amateur band frequency being monitored. Duration of each voice contact should be limited to 1-2 minutes. The following stations will be transmitting on MARS frequencies listed below which are provided as "Window/Dial Frequency" in kHz.

Some stations will use CW to provide the opportunity to check in by Morse Code

Army Stations

STATION: AAZ (14 May 1400Z - 15 May 0300Z)

Frequency Emission Amateur Band

4038.9 kHz	LSB	80M
6913.0 kHz	LSB	40M
14.402.0 kHz	USB	20M
13.996.0 kHz	USB	20M
18.211.0 kHz	USB	17M
7577.0 kHz	CW	40M
13.507.0 kHz	CW	20M
7639.5 kHz	RTTY	40M
13512.5 kHz	MT-63	20M

Location: Fort Huachuca, AZ

Address:

Commander NETCOM/9th ASC

ATTN: NETCOM-OPE-M (MARS) (31)

2133 Cushing Street

Ft. Huachuca, AZ 85616-7070

POC: Mr. Dewayne Smith

DSN: 821-7324

Commercial: (520) 533-7324

STATION: AAC (14 May 1300Z - 15 May 0100Z)

Frequency Emission Amateur Band

3348.5 kHz	LSB	80M
7363.0 kHz	LSB	40M
13.910.5 kHz	USB	20M
27.788.5 kHz	USB	10M

Location: Lexington, KY

Address:

HQ 3RD BDE, 95TH DIV (IT) MARS STATION

Barrow Army Reserve Training Center

1051 Russell Cave Pike

Lexington, KY 40505

POC: Barry Jackson, AAR4BZ

Commercial: (859) 227-0137

STATION: ABH (14 May 1600Z - 15 May 2300Z)

Frequency Emission Amateur Band

3350.0 kHz	LSB	80M
4441.5 kHz	LSB	80M
4792.5 kHz	LSB	80M
7360.0 kHz	LSB	40M
7721.5 kHz	LSB	40M
8040.0 kHz	LSB	40M
14402.0 kHz	USB	20M
14438.5 kHz	USB	20M
14487.0 kHz	USB	20M
17443.0 kHz	USB	17M
17592.5 kHz	USB	17M
20976.0 kHz	USB	15M
20558.5 kHz	USB	15M

Location: Schofield Barracks, HI

Commander, 396th Signal Company

30th Signal Battalion, 96857

POC: WO1 William Pemberton

Commercial: (808) 655-3387

STATION: WAR (14 May 1200Z - 2400Z)

Frequency Emission Amateur Band

4020.9 kHz	LSB/CW	80M
7314.0 kHz	LSB/CW	40M
14438.5 kHz	USB/CW	20M
27991.0 kHz	USB/CW	10M

Location: Pentagon, Washington, DC

Address:

Pentagon Amateur Radio Club

ATTN: AFDCBT

PO Box 2322

Arlington VA 22202

POC Mr. Gary Sessums

Station telephone:

Commercial: (703) 693-8423 DSN 223-8423

STATION: WUG-231 (14 May 1300Z - 15 May 0200Z)

Frequency Emission Amateur Band

4032.9 kHz	LSB	80M
7.424.0 kHz	LSB	40M
6.826.0 kHz	LSB/CW	40M
14.486.0 kHz	USB	20M
14.663.5 kHz	USB/CW	20M
20.973.5 kHz	USB/CW	15M

Location: Memphis, TN

Address:

USACE Memphis District Office

ATTN: Jim Pogue

Public Affairs Office Room B-202

167 N. Main St.

Memphis, TN 38103-1894

POC: Mr. Jim Pogue

Commercial: (901) 544-4109

NAVY/MARINE CORPS STATIONS

STATION: NAJ (14 MAY 1200Z - 15 MAY 0400Z)

NAVMARCOMARS RADIO STATION, GREAT LAKES, IL

FREQUENCY EMISSION AMATEUR BAND

4011.5 KHZ	LSB/MT63	80M
7376.5 KHZ	LSB	40M
14467.0 KHZ	USB	20M
21758.5 KHZ	USB	15M

ADDRESS: MR. DAVID OUELLETTE/NNN0ASG

6148 WEST CUTLER RD

DEWITT, MICHIGAN 48820

COMMERCIAL: (517) 515-6080

STATION: NBL (14 MAY 1200Z - 15 MAY 0400Z)

NAVMARCOMARS RADIO STATION, GROTON, CT

FREQUENCY EMISSION AMATEUR BAND

4041.5 KHZ	LSB	80M
7371.5 KHZ	LSB	40M
14391.5 KHZ	USB	20M
20623.5 KHZ	USB	15M

POC AND ADDRESS: ROBERT VETH, DIRECTOR REGION ONE

4 LANTERN LANE, CHELMSFORD MA 01824-1316

COMMERCIAL: (978) 256-5264

STATION: NNN0ASF (14 MAY 1200Z - 15 MAY 0400Z)

NAVMARCOMARS RADIO STATION, NNN0ASF

FREQUENCY EMISSION AMATEUR BAND

4014.0 KHZ	LSB	80M
7394.5 KHZ	LSB	40M 1200-2359Z, 0200-0400Z
7394.5 KHZ	LSB PSK31	40M 0000-0200Z
13974.0 KHZ	USB	20M 1200-1800Z, 2000-0400Z
13974.0 KHZ	USB PSK31	20M 1800-2000Z
20997.0 KHZ	USB	15M

POC AND ADDRESS: NAVMARCOMARS RADIO STATION NNN0ASF

KEN KEEHNER, PO BOX 224, BENNINGTON KS 67422

COMMERCIAL: (785) 488-2241 COMMERCIAL: (978) 256-5264

STATION: NNN0CQQ (14 MAY 1500Z - 15 MAY 0400Z)

EX-USS MIDWAY MUSEUM SHIP MARS STATION

FREQUENCY EMISSION AMATEUR BAND

4003.0 KHZ LSB 80M

7351.5 KHZ LSB 40M

14463.5 KHZ USB 20M

20936.0 KHZ USB 5M

POC AND ADDRESS: JOSE GARZA, NNN0XBQ

9789 PASEO MONTRIL, SAN DIEGO CA 92129-3910

COMMERCIAL: (858) 484-0469 CELL: 858-254-0175

STATION: NUW (14 MAY 1500Z - 15 MAY 0400Z)

NAVMARCOMARS RADIO STATION, NAS WHIDBEY ISLAND, WA

FREQUENCY EMISSION AMATEUR BAND

4044.0 KHZ LSB 80M

7381.5 KHZ LSB 40M

13528.5 KHZ USB 20M

20952.5 KHZ USB 15M

POC AND ADDRESS: NAVMARCOMARS RADIO STATION

MR. DIGGER O'DELL, 260 W. PIONEER FSC BLDG.

NAS WHIDBEY ISLAND, WA 98277

COMMERCIAL: (360) 675-2823 DSN: 820-8038

STATION: NWKJ (14 MAY 1200Z - 15 MAY 0400Z)

FREQUENCY EMISSION AMATEUR BAND

4010.0 KHZ LSB 80M

7348.0 KHZ LSB 40M

14478.5 KHZ USB 20M

20994.0 KHZ USB 15M

ADDRESS: EX-USS YORKTOWN (CV-10)

PATRIOTS POINT MARITIME MUSEUM, SC

C/O FRED HAMBRECHT/NNN0GBS

129 INDIAN TRACE COURT

GILBERT, SC 29054

COMMERCIAL: (803) 657-3602

STATION: NWVC (14 MAY 1200Z - 15 MAY 0400Z)

FREQUENCY EMISSION AMATEUR BAND

4041.5 KHZ LSB 80M

7389.0 KHZ LSB 40M

13826.0 KHZ USB 20M

20678.5 KHZ USB 15M

ADDRESS: USS LST 325

840 LST DRIVE

EVANSVILLE, IN 47713

POC: PERRY BALLINGER, NNN0VNO

COMMERCIAL: 330-932-8612/330-705-8449

Comments for FCC Needed

Do you live in a CC&R- restricted community or participate in EmCom activities? Have deed restrictions / HOA covenants prevented you from erecting amateur radio antennas? Have these restrictions prevented you from full participation in emergency communications activities during disasters?

If your answer is "Yes", ARRL needs to hear about your experience.

As you are probably aware, Congress has directed the FCC to conduct a study of the uses and capabilities of Amateur Radio Service communications in emergencies and disaster relief. The FCC was directed to identify "impediments to enhanced Amateur Radio Service communications, such as the effects of unreasonable or unnecessary private land use restrictions on residential antenna installations." Finally, the study is to make "recommendations regarding the removal of such impediments."

The FCC has issued a Public Notice – DA 12-523- soliciting input from the public as part of their study. The ARRL is gathering comments from the Amateur Radio community to present as part of its comments on the public notice.

The ARRL is looking specifically for input in two specific areas:

- Recent Amateur Radio involvement in actual emergency communications and disaster relief;
- Specific details about how CC&Rs and other private land use restrictions have impaired licensed Amateurs to participate fully in these disaster relief communications.

If your ability to participate in ARES, RACES, SKYWARN, CERT, or other emergency and disaster relief communications has been limited because the inability to have adequate antennas due to CC&Rs, you are asked to provide that information to the ARRL.

First, we recommend that you prepare a narrative of your exact situation, in as much detail as practical. Some areas for you to consider in writing your story might be:

- Were there alternative properties without CC&Rs in the area you wished to reside?
- What exactly does your CC&R allow / prohibit (please include a copy of the specific wording)
- Have you applied for a waiver of the CC&R with the Home Owner's Association / Architectural Review Committee but were denied? If so, what was the reason?

To assist you in sharing your information with the ARRL, please visit the special ARRL website built to allow you to readily provide the pertinent information at www.arrl.org/CCR-Study-Information

This page will present you with an overview of what we are asking and have links to the two forms for you to complete. Please be as factual as you can with the information you provide and please provide only information about events and activities in which you were directly involved.

If you wish to write out the details of your situation in advance, please do so. The, they can be either uploaded from the website or they can be sent as an email attachment to an email sent to

CCRinfo@arrl.org

Keep in mind that the FCC study does not apply to ordinances and zoning laws implemented by the government – such as towns, cities or counties. PRB-1 covers those situations.

TIME IS OF THE ESSENCE! Congress directed that the FCC provide the report back within 180-days and that clock is already counting. The FCC is only accepting comments for a 45-day period, which will end May 17, 2012. In order for the ARRL to collate your information in a common report, we ask that you send in your information no later than WEDNESDAY APRIL 25. If you need more information, please contact
reginfo@arrl.org The time to act is NOW!

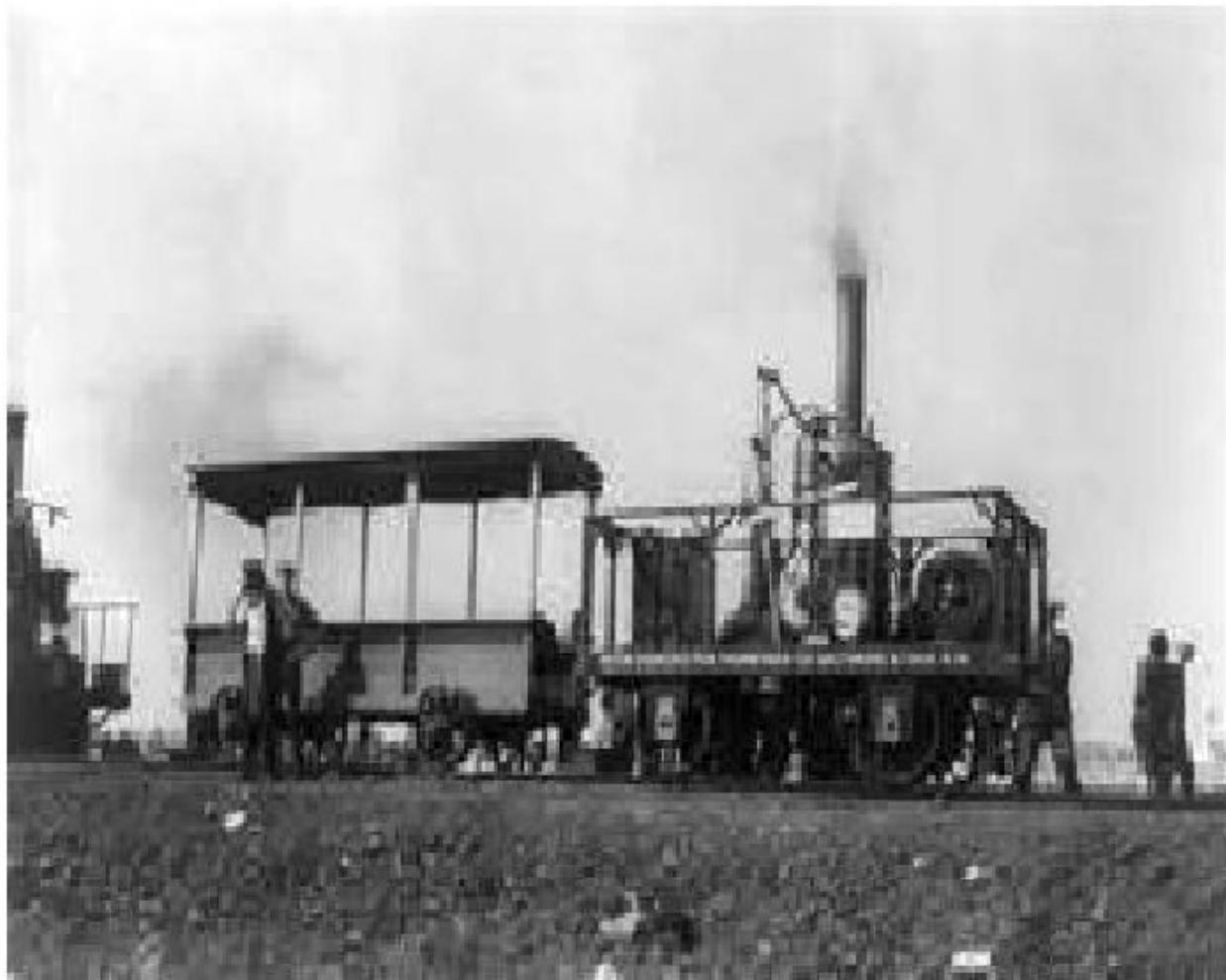


Campaign 2012

The whistle is sounding in the distance. The 509 is coming down the track. It's club officer election time again. The train pulls into Coffman's Station at 7:30 p.m., Wednesday, May 16th. Be sure to be at the meeting to cast your vote or you could become President like our current office holder.

New Member

Welcome to new member Eric Carl, Sr. KB3YJT. Eric resides in Essex and is one of the pilots at Essex Skypark.



May 2012

			Meeting Coffman's 7:30 pm				Hagerstown Hamfest www.w3cwc.org/ HamFests
		1	2	3	4	5	
6	7	8	10 Meter Net 28.445 MHz 8 pm	9	10	11	12
13	14	15	Elections Coffman's 7:30 pm	16	17	18	19
20	21	22	2 Meter Net 147.24 MHz 8 pm	23	24	25	26
Memorial Day Hamfest Howard County Fairgrounds	Memorial Day 	28	70 Centimeter Net 449.575 MHz 8pm	30	31		
27	29						

From the Skies over Mt. Essex

SKY Events for May 2012

May 4th – The Moon is 6° South of Saturn.

May 5th - Full Moon “Time of Big Leaf” for the Native American Mohawk tribe and the “Bright Moon” for the Celts. This is the biggest Full moon in 2012 at 23:35EDT, the Moon will be 221,811 miles (356,970km). Also the Eta Meteor shower about 20 per hour but a poor showing due to a Full Moon. The parent comet is 1P Halley the same as in Orionids in October.

May 12th - Last Quarter Moon

May 13th – Jupiter is in conjunction with the Sun; the Moon passes 6°N of Neptune at 18:00 EDT.

May 16th – Moon passes 6° N of Uranus at 13:00 EDT.

May 19th – Asteroid Juno (3) is at opposition, diameter 170 miles (274km) at magnitude +10.2 is between Ophiuchus and Serpents Caput.

May 20th-New Moon and an Annular eclipse of the Sun seen in the Western US in a line from just south of the Oregon/California running thru Albuquerque New Mexico and ending in western Texas at sundown. It is not visible east of western Texas.

May 22nd – The Moon is 5° South of Venus at 17:00 EDT..

May 27th – Mercury is a superior conjunction at 07:00 EDT and the Moon is 7° S of Mars at 19:00 EDT

May 28th – First Quarter Moon

Planet Lookout at mid-Month

Mercury- Hidden in the glare of sunrise.

Venus – High in the western sky, magnitude -4.4 and 48 arc seconds, in the West after sunset..

Mars -Left of Regulus in Leo high in the southwest after dark, magnitude +0.3, 8.8 arc seconds wide.

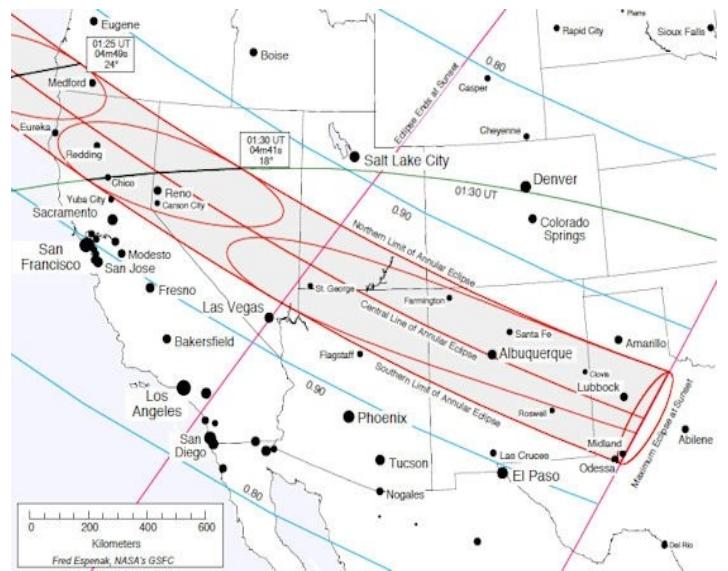
Jupiter- Behind the Sun out of sight.

Saturn- Left of Spica in Virgo in the south to southwest after dusk. Magnitude +0.4 size 18.8 arc seconds.

Uranus- In the East at dawn. Magnitude +5.9 size 3.3 arc seconds.

May's Solar Eclipse

On May 20th there will be a Annular Eclipse of the Sun visible from the Western to Southwestern US California and Oregon down to west Texas.



There are four types of solar eclipses as seen from Earth.

1. **Total Solar Eclipse** occurs when the umbra (dark shadow where the sun light is completely blocked) of the Moon touches a region on the surface of the Earth.
2. **Partial Solar Eclipse** occurs when the penumbra (light shadow, only a part of the sun light is blocked) the Moon's shadow passes over a region on the Earth's surface.
3. **Annular Solar Eclipses** occur when a region on the Earth's surface is in line with the umbra, which the Moon's body appears entirely contained within the disc of the Sun and the distances are such that the umbra shadow (antumbra) does not touch the Earth's surface.
4. **Hybrid Solar Eclipse** (also called **annular/total eclipse**) This type of Solar eclipse shifts between a total and annular eclipse depending where you are on the Earth.