

CAAS



Constellation Hunter Club

Introduction:

Welcome to the Astronomical League's Constellation Hunter Club. The Constellation Hunter Club has two certifications and pins: The Northern Skies and the Southern Skies. The purpose of these programs is to provide an orientation to the sky for amateur astronomers. They require no special equipment (other than a planisphere and a reference for the brighter star names), and no prior knowledge. The objective is to provide a forum for the observer to become more familiar with the constellations and brighter stars, to begin to learn to navigate among the stars, and to provide a solid foundation for moving on to other observation programs such as the Messier Club.

Rules and Regulations:

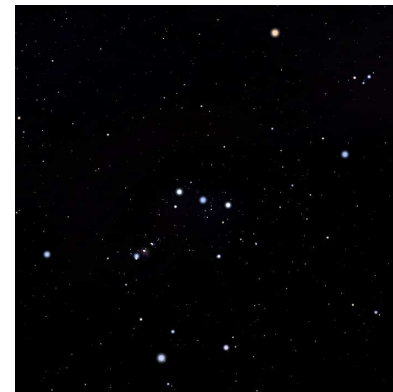
To qualify for the AL's Constellation Hunter Certificates and pins, you need only be a member of the Astronomical League, either through VCAS or as a Member-at-Large, and observe and sketch all of the constellations on the checklist. Binoculars, while not required, will give you a deeper look into the star fields that you sketch. You should not include these additional stars and objects on your sketches, but the Binoculars, while not required, will give you a deeper look into the star fields that you sketch.

You should not include these additional stars and objects on your sketches, but the Binoculars, while not required, will give you a deeper look into the star fields that you sketch. You should not include these additional stars and objects on your sketches, but the view will give you an appreciation for all of the things that await you in the other Astronomical League Certification Programs. You should proceed constellation by constellation. For each constellation, you need to provide the following data:

- Constellation name.
- Local date and time.
- Observation Latitude and Longitude
- Sky conditions: transparency and seeing.
- Sketch

A sketch of all stars that were visible to the unaided eye, out to the limits of the constellation's boundary. Named stars should be identified on the sketch. The sketch should include other objects that are visible within the boundaries of the constellation, including but not limited to: galaxies, open clusters, globular clusters, and nebulas.

To receive your Constellation Hunter Certificate and pin (or if you have any questions or need assistance), simply send your sketches along with your name, address, and phone number to John Reed, CAAS AL Coordinator. Email jreed007@centurytel.net



Suggested Resources:

Stellarium.org - Free easy to use-Planetarium program

Planisphere—David Levy

Low Power Binoculars

The Stars H.A. Rey

A Field Guide to Stars and Planets (Peterson Field Guide)

Beginner's Guide to the Skies R Newton & Margaret Mayall (oop)

Field Book of the Skies—Olcott (oop)

Constellation Hunter Check List	
Andromeda	01 hr + 40 deg
Aquarius	23 hrs - 10 deg
Aquila	20 hrs + 4 deg
Aries	03 hrs + 20 deg
Auriga	06 hrs + 39 deg
Bootes	15 hrs + 40 deg
Camelopardis	06 hrs + 69 deg
Cancer	09 hrs + 20 deg
Canes Venatici	13 hrs + 40 deg
Canis Minor	08 hrs + 5 deg
Cassiopeia	01 hr + 60 deg
Cepheus	23 hrs + 75 deg
Coma Berenices	13 hrs + 20 deg
Corona Borealis	16 hrs + 30 deg
Cygnus	21 hrs + 40 deg
Delphinus	21 hrs + 10 deg
Draco	17 hrs + 60 deg
Equuleus	21 hrs + 7 deg
Gemini	07 hrs + 22 deg
Hercules	17 hrs + 30 deg
Lacerta	23 hrs + 46 deg
Leo	11 hrs + 14 deg
Leo Minor	10 hrs + 34 deg
Lynx	08 hrs + 46 deg
Lyra	19 hrs + 35 deg
Monoceros	07 hrs 0 deg
Orion	05 hrs + 5 deg
Pegasus	03 hrs + 45 deg
Perseus	04 hrs + 46 deg
Pisces	01 hr + 10 deg
Sagitta	20 hrs + 20 deg
Serpens Caput	17 hrs 0 deg
Serpens Cauda	17 hrs 0 deg
Sextans	10 hrs 0 deg
Taurus	05 hrs + 20 deg
Triangulum	02 hrs + 32 deg
Ursa Major	11 hrs + 56 deg
Ursa Minor	15 hrs + 75 deg
Vulpecula	20 hrs + 25 deg

Constellation		Constellation Hunter Sketch	
Date	Time:	Longitude	Latitude
Transparency	Seeing		