





**Sketching at the
Telescope**
Magda Streicher



I dedicate my speech today
to my friend and working
partner **Auke Slotegraaf**
who brings visual
astronomy to my heart and
soul never to part again.



Sad but true; visual observations through a telescope is faltering. Sketching an object brings to the eye and mind the real impression and with some luck you can spot something that has been overlooked in a lavish digital picture because of the **impressive image** of it.

A sketch allows you to look at the object with more than just a glance, so don't look and not see.



Keep the following in mind when sketching

At the Telescope:

1. Telescope information

Various eyepieces

Magnification

Filters

2. Sky conditions

Seeing, transparency

Faintest stars seen with the un-aided eye

Prevent stray light

3. Indicated object numbers

Type, magnitude, size, date and time

Printed maps

4. White paper with circles

Pencils, use only red light, erasers

Soft tissue paper, magnifying glass

5. Dress warmly and comfortable

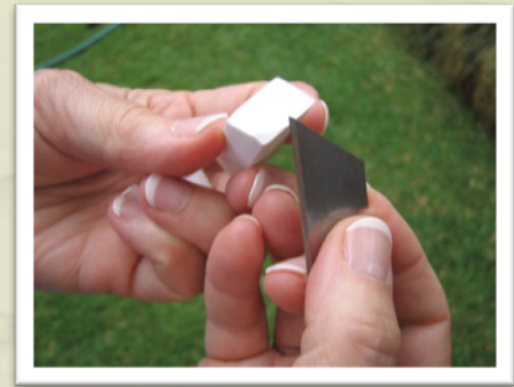



The way to go

1. Study the object
2. Different parts
3. Stars first
4. Work from the inside out
5. Realistic object shape
6. Averted vision


Basic tools:

Pencil, tissue, soft erasers, hard rubber, magnifying glass






Finer detail

1. A gentle touch is the secret
 2. Soft Grey pencil
 3. Brightness of the object
 4. Peppering technique
 5. Core and nucleus
 6. Three dimensional impression
 7. Steady hand
- 

Nebulae

1. Create the object size
2. Shading and blending
3. Create the glow of the nebulosity
4. Layers of shading
5. Impression with the help of tissue paper and the finger
6. Floating away impression
7. Go slowly
6. Correct mistakes

- 
- 1. Clean up the area** around the object with a soft eraser, but be sure not to ruin your sketch.
 - It is very important to **write down every little** important note while you are sketching.
 - Example: "**an hazy extension towards the brightest star on my right**, about a third of the length of the object itself"
Or, "the object is somewhat brighter towards the middle, with a slight outer envelope a third the size of the core"
Or, "A faint star estimated 13-magnitude on the tip of the left spiral arm".
 - Your logbook is your best friend** and will provide you with years of memorable self-expression and history.

Tips to remember



Using a tissue around the pencil



Using a soft rubber

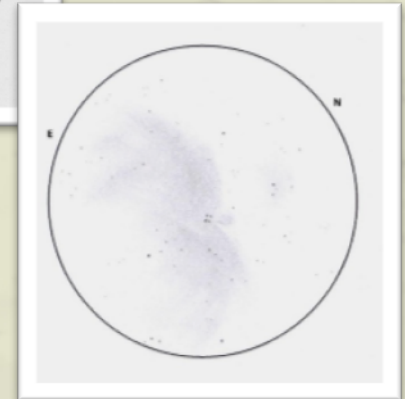
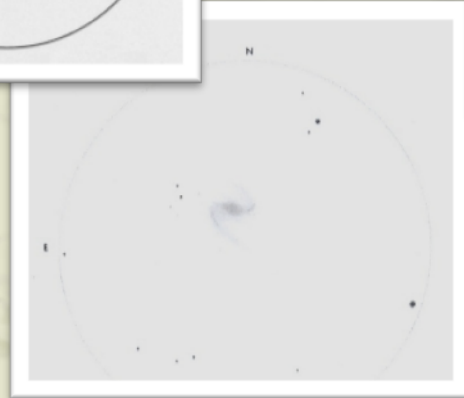
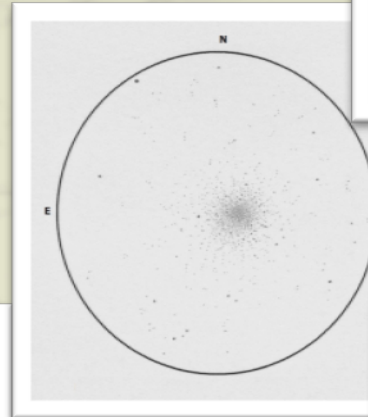
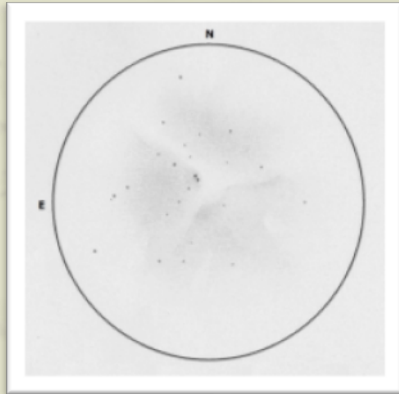
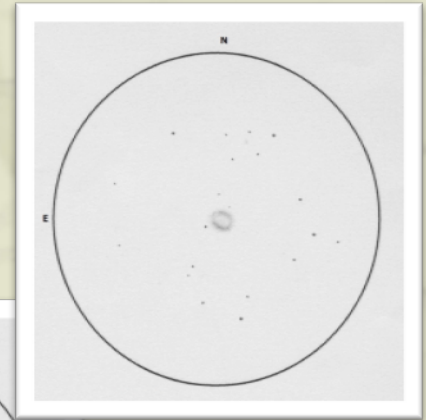
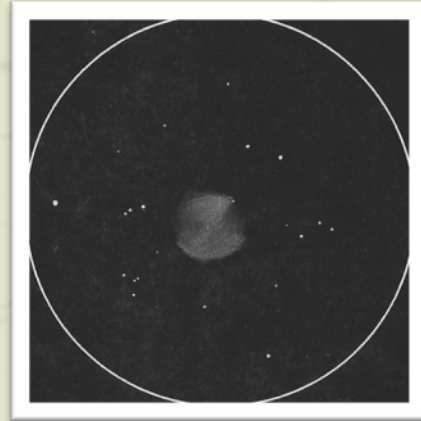
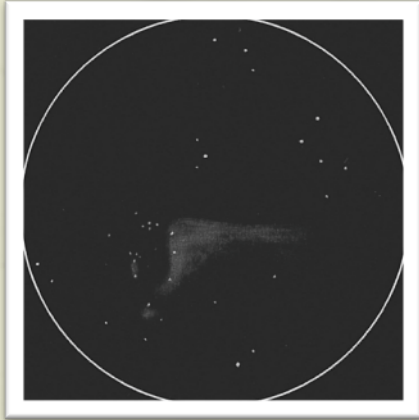


Create a dust lane



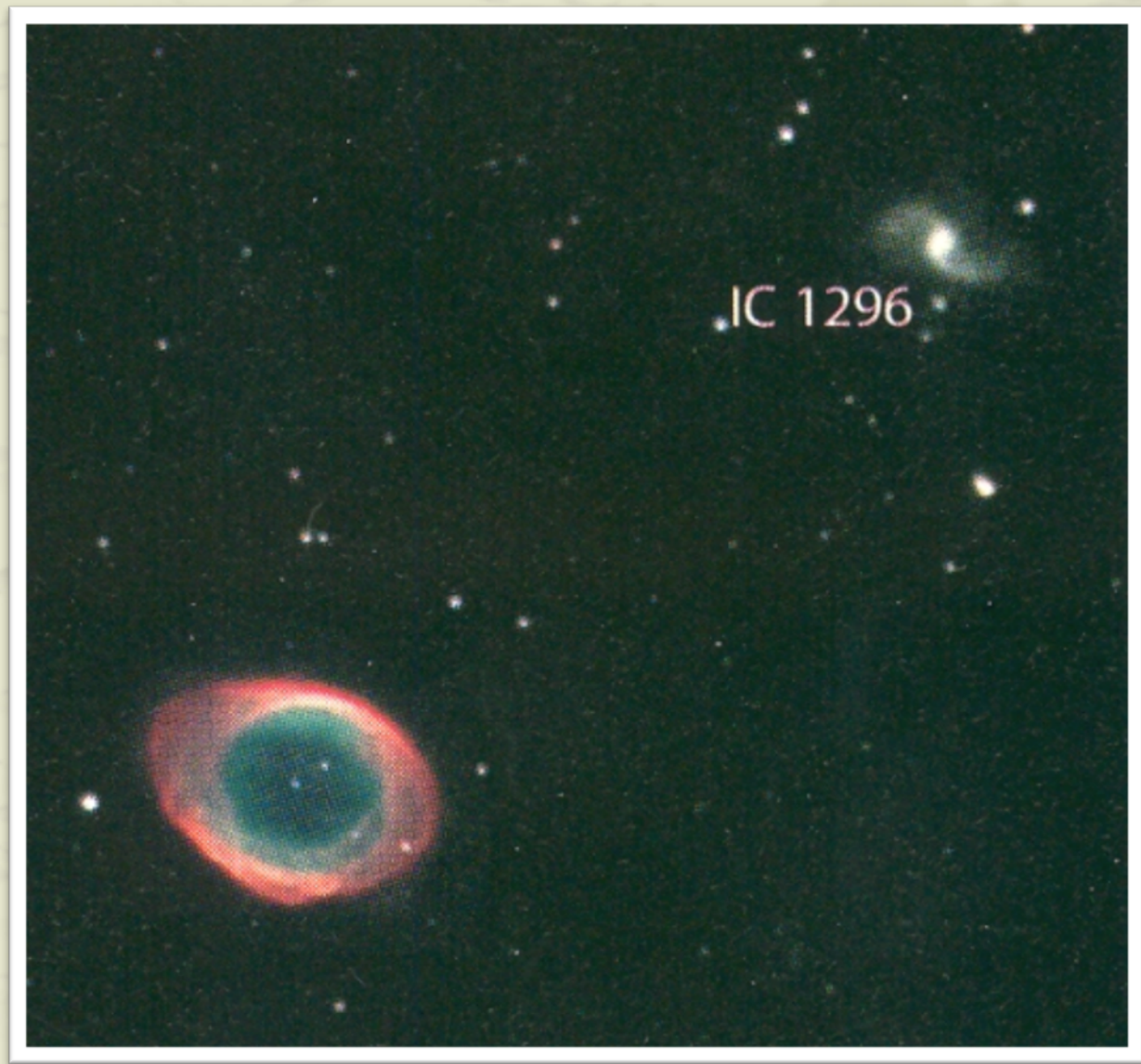
Softened overall image

Finished sketches









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Closing thoughts

Save and scan your well documented sketch

Satisfaction rewarded

Sketch will last forever

Priceless


You don't need to be a painter.....



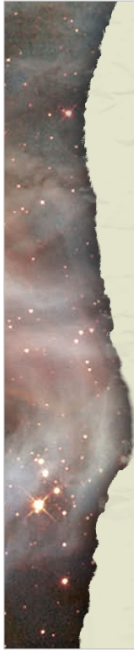


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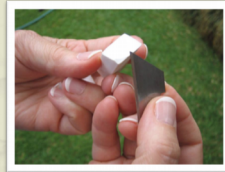


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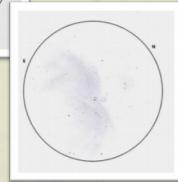
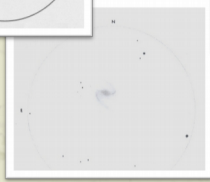
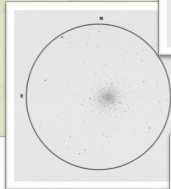
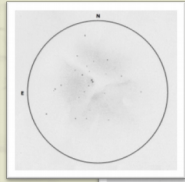
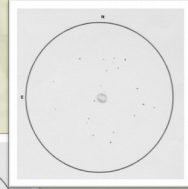
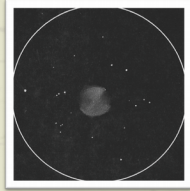
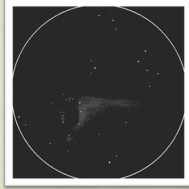


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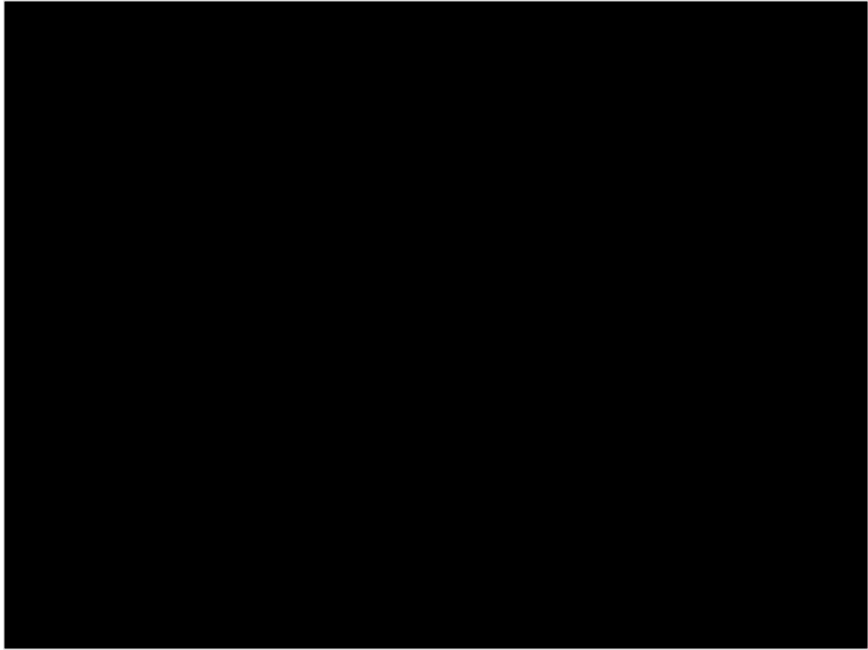


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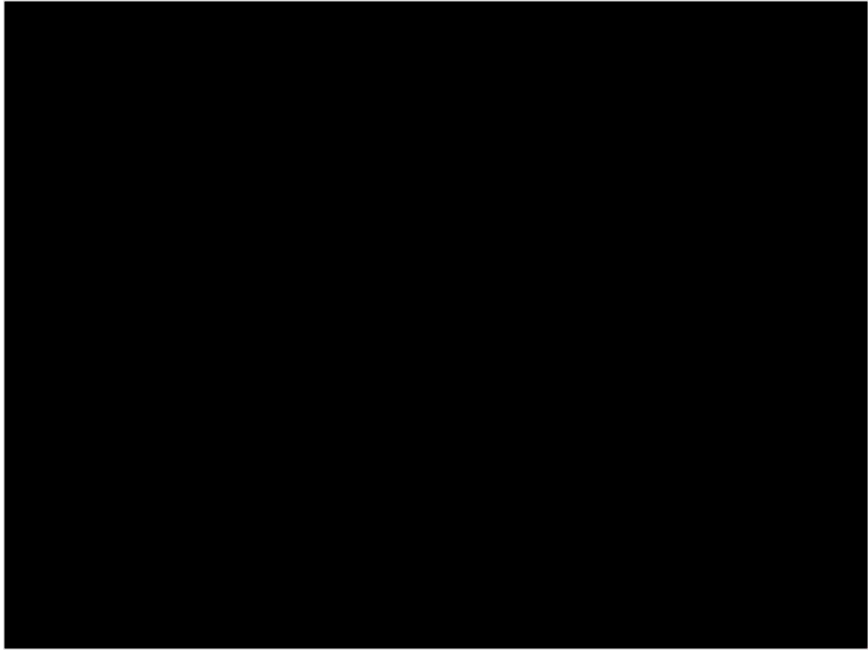
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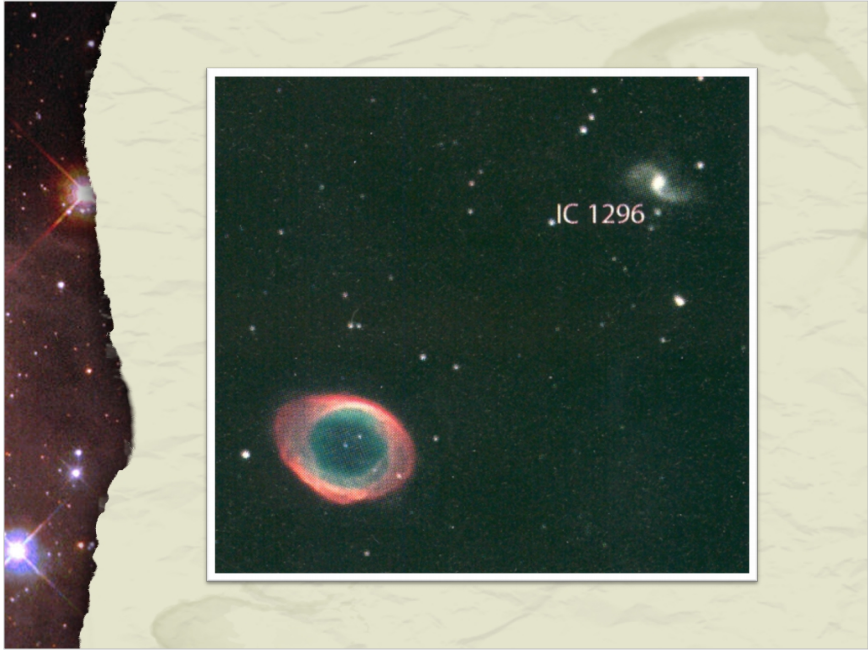






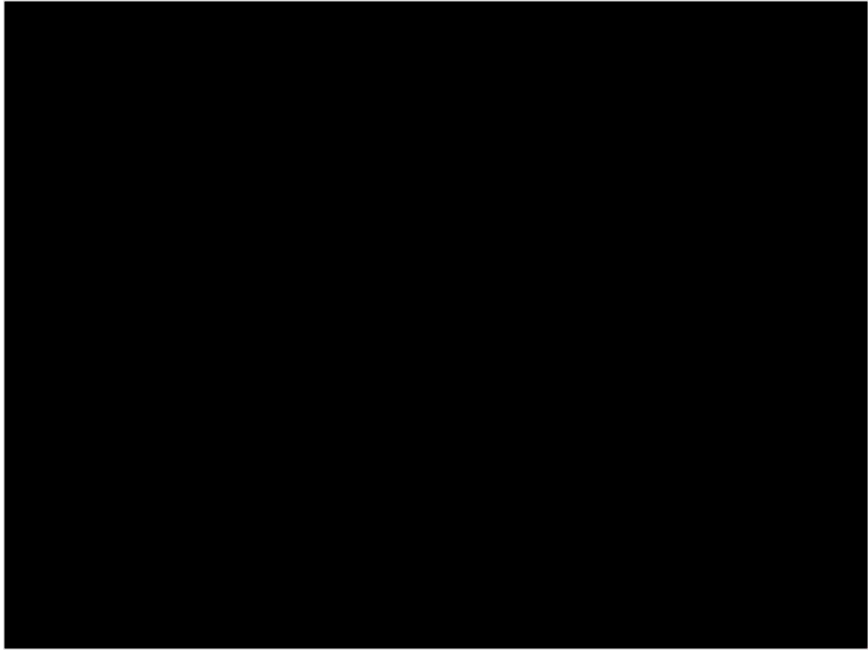















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