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Section one: *Introduction*

A little blurb about the hows and whys of the book. I also get a chance to introduce myself and say howdy! (I am in Texas so you may hear a lot of things like that.)

Section two: *What is an equatorial telescope mount?*

Do you know what an equatorial mount is? Here is where you find out!

Section three: *Why use an equatorial mount?*

Why should you use an equatorial mount and why is it a better choice than something else? Let's see!

Section four: *Celestial coordinate system.*

If you have ever wondered how you navigate around the sky and find objects, this is the section for you.

Section five: *Features of an equatorial mount.*

Now that you know what an equatorial mount looks like, what are all those levers and dials? Here is where we discuss them all.

Section six: *Manual, tracking, push-to and go-to.*

How we move the mount and telescope as well as how some of them can move themselves. Fortunately they don't move faster than we can catch them!

Section seven: *Assembling an equatorial mount.*

Once you order one and it arrives, how do you put all the pieces together? No, it is not alright to have pieces left over!

Section eight: *What all do I need to do, and when?*

There are a ton of different things you can do to improve your mount's accuracy. Are they all necessary and when do I do which ones?

Section nine: *Equatorial setup and the home position.*

Here is where we get acquainted with your new mount and start getting it ready to get into the field.

Section ten: *Aligning the polar scope.*

You thought the polar scope was for aligning the telescope, now you learn you have to align it? Sheesh!

Section eleven: *Attaching a telescope tube.*

While playing with the mount is fun, you probably bought the mount to put a telescope on so let's find out how.

Section twelve: *Adjusting for cone error.*

Even many advanced users have no idea what cone error is. Here is where we learn what it is and how to correct for it without becoming a cone head!

Section thirteen: *Balancing the mount and telescope.*

Once we get the telescope on the mount we have to make sure it all moves as smoothly as possible. This requires balancing (the telescope, you can put your other foot down now).

Section fourteen: *Finder alignment.*

That little telescope looking thing on the side of the bigger telescope looking thing is called the finder. We need to make sure it and the telescope point at the same thing.

Section fifteen: *Polar alignment.*

Now we need to make sure the mount is pointing to where it needs to be so that it can track objects in the sky correctly.

Section sixteen: *Computer alignment.*

If your mount is a push-to or go-to then it has a computer built in. These need to be aligned and here is where we learn to do that.

Section seventeen: *All Star Polar Align*

You can polar align your mount without using a polar scope and even without being able to see the north or south celestial poles. It's magic!

Section eighteen: *Automatic computer alignment*

You mean I can just let this thing align itself? Yes, no, and it depends. Didn't think you would get a straight answer did you?

Section nineteen: *Common problems and solutions*

Can't figure out why something is not right? Make a boo boo and want to know how to fix it? I'm not too proud to tell you how I messed up.

Section twenty: *Where to get more information.*

Where oh where can you look to learn more? Lots of places! Lots of links to places online and even a few books (that I wrote of course!)