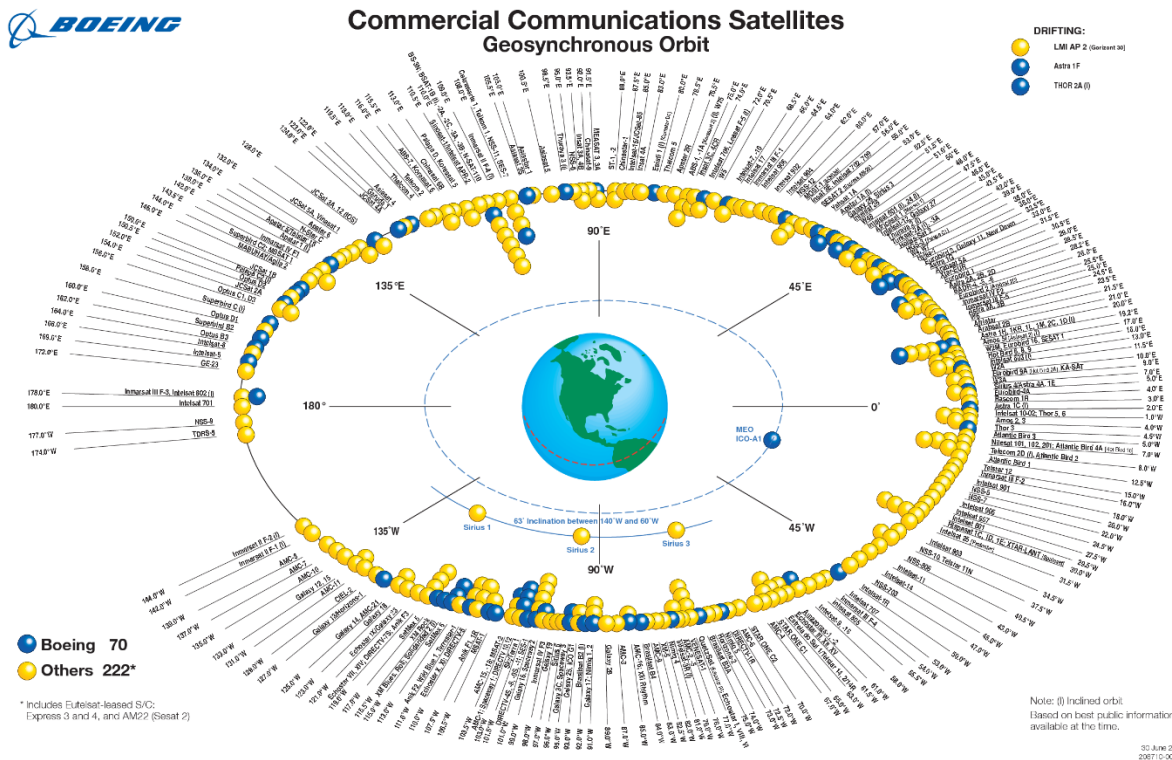


JOB 1: I HAVE TO GET FLUENT WITH SATELLITE TERMINOLOGY.

Presently I understand basic theoretical ideas of satellites. I have to find the definitions of the terminology and the anacronyms you used. **FSS programming**, for example = **Fixed Satellite Service (FSS)**. That corresponds to my thorough understanding of the **FCC Radio Frequency Allocation Table**.

YOU STATED: “You may want to build a dual axis mount if your interest is in communications.” | “Dual axis actuator”

MY COMMENT: The dual axis actuators *would* “modernize” the current HTH mount for the Birdview Satellite dish for the North/South drift of satellites in the Geosynchronous Arc *and* for the polar orbiting satellites (the International Space Station (ISS) for example). But this dual purposed design would require heavy duty actuators for the heavy Birdview mount and dish. This option does have my interest tweaked. I will add that to my R & D search list.



YOU STATED: “The feedhorn and LNBS should be fine for now.” | “cleaned and tested.” | “The LNBS are older, but the specs are good enough for reception of most C and KU FSS services.”

MY COMMENT: The current feedhorn and LNBS are contingent on what they offer in relation to my intended goals for my amateur radio communications. If the current feedhorn

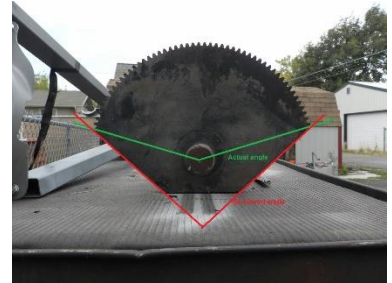
and LNBs provide only a RECEIVE, and little unencrypted service of analog only satellites then I will jettison them for a feedhorn and LNB or an LNBF with *receiver voltage switches between the horizontal and the vertical probes with a servo motor* if such a critter exists. I prefer flexibility.

YOU STATED: *“If the receiver is still working.”*

MY COMMENT: I presume you are referring to the Birdview Satellite Transponder Receiver Controller IR AC 20/20 MR-20/20 pictured on page 2 of my previous attached PDF. If so, then I will have that receiver in the first week of June.

YOU STATED: *“polarity skew motor should rotate 90 degrees when switching between an even or odd channels.”*

MY COMMENT: I presume you are talking about the arc of the dish. The Arc of the Covenant is a good movie (*humor*). If you are talking about the arc of the dish then I direct your attention to www.satelliteguys.us/xen/threads/more-findings-to-make-you-jealous-birdview.363335/



YOU STATED: *“I would recommend that you **keep this feedhorn with LNBs** as this provides the ability to optimize the skew on each satellite and transponder, but some hobbyists will recommend the ease of installing and operating a LNBF (receiver voltage switches between the horizontal and the vertical probes **without a servo motor**). While this type of feed is easier, **the skew is set once during install and cannot fine-tuned for each service without manually rotating the feedhorn.**”*

MY COMMENT: I prefer to fine-tune for each service by “automatically rotating the feedhorn” if that feature is available. Are there products for this feature?

YOU STATED: *“**The receiver is of limited use.** Not much analog on the birds anymore (C-Span and a few lottery feeds on C-band), so a new digital DVBS/S2 receiver will be in order.”*

MY COMMENT: I presume you are referring to the pictured receiver on page 2 of my previous attached PDF. I suspected that the receiver would not be of much use. But it is the receiver for the Birdview Satellite Dish. I will order the receiver for historical purposes (antiques are antiques). I will add the **new digital DVBS/S2 receiver** to my R & D search list.

YOU STATED: *“Suggest that a reliable and easy to operate receiver for learning the hobby is the **Amiko H.265**. Once you get the hang of the hobby and learn the technology, then consider **upgrading to a more complex UHD STB like the VU Plus Zero 4K with Linux based Enigma 2 OS**. You might be tempted to jump into buying this first, but it can quite overwhelming to operate a complex user defined STB while trying to master the basics.”*

MY COMMENT: I cannot afford to spend money twice. I prefer to “jump” into buying the more complex UHB STB like the Plus Zero 4K with Linux based Enigma 2 OS **but I am running Windows 10**. Is there a suitable product for Windows 10?

YOU STATED: *"The positioner unit is fine for manually moving the dish East / West, but will not interface with newer receivers. If you decide to upgrade your positioner, **check the sensor type in the actuator**. This may need to be changed **based on the positioner model or option**. Some users have built some sweet high resolution optical and reed sensors."*

MY COMMENT: So, that confirms the necessity to buy a new receiver for today's satellites. I presume, by your use of "positioner" you are referring to the Horizon-To-Horizon mount. If so, then that is also something that I presumed. I will add *high resolution optical and reed sensors* to my R & D search list.

YOU STATED: *"Would recommend that for automatic control of the servo motor and dish positioning via the STB that you might consider the ASC1 positioner. The ASC1 provides LNB (or LNBF) power, supports servo motors and reed switch sensors. Add the optional OHR unit and it will also be compatible with hall effect and optical sensors."*

MY COMMENT: STB, ASC1 Positioner, Servo Motors, Reed Switch Sensors, Optional OHR Unit, Hall Effect and Optical Sensors are things I will have to study up on, learn all about them, and evaluate them for upgrading purposes for my Birdview Satellite Dish.

YOU STATED: *"If you wish to go a less feature (possibly less expensive route) **verify the actuator has a reed switch sensor** and **swap out the feedhorn to a LNBF** then a G or V-box should work fine (note: **G or V boxes do not have servo control and only support reed switch sensors**).*

MY COMMENT: G or V boxes are not compatible with the amateur radio communications goals.

YOU STATED: *"There are many threads on the forum about **restoring, retrofitting and upgrading the Birdview**. Many talented hobbyists have identified issues and have provided many innovative solutions."*

MY COMMENT: Give me the list of those forums! That's what I need! More information!

THANKS!