

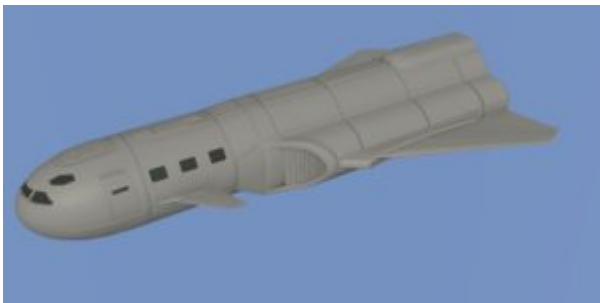
Neues vom Modularkutter

Das Design wird um eine klappbare, mechanische Aussteifung ergänzt. Diese klappt vom oberen Verbindungsstück zu beiden seiten herunter und kann in mehreren Positionen arretiert. Beim Absetzen des Moduls klappen die seitlichen Aussteifungen herunter und rasten am Rumpf ein, sobald das Modul frei steht und der Kutter genügend Höhe erreicht hat.

Ein 3D-Modell folgt in Kürze...

Small Craft – 40ton „Fast“ Pinnacle (CT/MT)

My take on the Classic Traveller „Fast“ Pinnacle



The Classic Traveller 40 ton Pinnacle – sometime called Fast Pinnacle – features a sweep wing configuration. While the original concept was somewhat different, I chose to use a well tested approach and opted for the wing configuration of an F-14 aircraft. The above image shows the Pinnacle in its standard or „B“ configuration, while the image below shows the default or „A“ configuration. The sweep-wing would have split the cargo bay horizontally if I'd left the wings the way they are depicted in CT deckplans (or in F-14 renderings) and

chopped part of the rear inner wing to an angle. This way the swept wing fits inside the engineering compartment alongside both sides of the cargo bay.

The rear features a large extracting lower cargo ramp and a shorter top gate that allows 4dt containers to be loaded. Two will fit lengthwise. Additional cargo needs to be breakbulk. Rearviews and from below are in the works. Also I'm about to build different nose sections, but that's of low priority.



Vol	Name	TL	Free	Gs	Fuel	Duration	MCr	Computer	Notes
40	Pinnacle	12+	24	5	2t	4 weeks	15.1	Model/2bis	L2

NOTES: B = Lift Body. C = Cramped Bridge. K = Cargo Lock. L0 = Short Term Life Support. L2 = Long Term

Life Support. S = Spacious Bridge. +5 = Overtonnage by 5 tons.

Vol. Volume, in tons.

Name. Official name for the small craft.

TL. Technological Level at which this ship is manufactured.

Free. Open, configurable space, in tons.

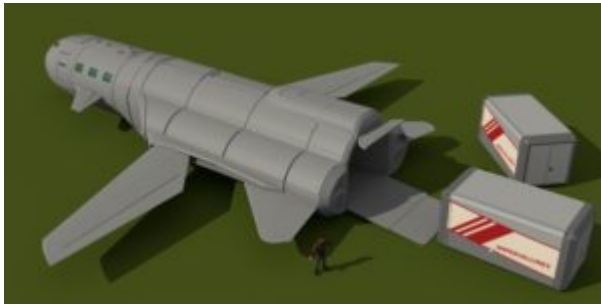
Gs. Acceleration, in gravities.

Fuel/Duration. Fuel tank size, and operational time given a full tank.

MCr. Price of small craft in millions of credits.

Computer. Computer model installed by default.

lnk = link to external reference / original design



40t Fast Pinnace, using SmallCraftMaker

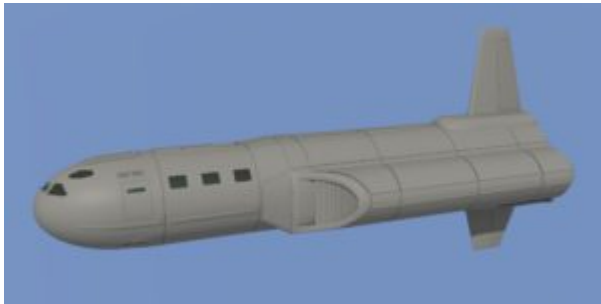
Descriptor	TL	Tons	Accel	Load	AV	Ca	Fl	Ra	So	Psi	In
Se MCr											

Pinnacle	14	40	4	22	30	10	10	10	10	0	10
10 9											
Fast			+1				+1				-5
+1											
M-Drive											+5
x2											

	TL	15		40t		5G			22t	free	
MCr 20											

Small Craft – 40ton Slow Pinnacle (CT)

My take on the Classic Traveller Slow Pinnacle. Standard or „fast“ Pinnacle soon to follow.



Vol	Name	TL	Free	Gs	Fuel	Duration	MCr	Computer	Notes
40	Slow Pinnacle	9	30	2	0.5t	18 days	15.1	Model/1bis	C

NOTES: B = Lift Body. C = Cramped Bridge. K = Cargo Lock. L0 = Short Term Life Support. L2 = Long Term Life Support. S = Spacious Bridge. +5 = Overtonnage by 5 tons. Vol. Volume, in tons.

Name. Official name for the small craft.

TL. Technological Level at which this ship is manufactured.

Free. Open, configurable space, in tons.

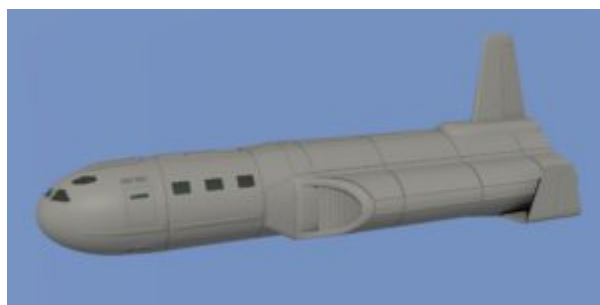
Gs. Acceleration, in gravities.

Fuel/Duration. Fuel tank size, and operational time given a full tank.

MCr. Price of small craft in millions of credits.

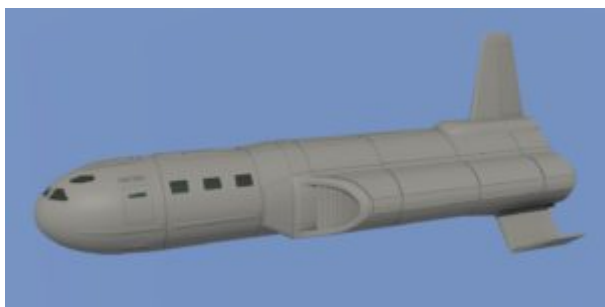
Computer. Computer model installed by default.

lnk = link to external reference / original design



The above image shows the folded lower fin in landing position.

The image below shows an intermediate position.



40t Slow Pinnacle, using SmallCraftMaker (old draft p.276)

Descriptor	TL	Tons	Accel	Load	AV	Ca	Fl	Ra	So	Psi	In
Se MCr											

Pinnacle	14	40	4	22	30	10	10	10	10	0	10
10 9											
Slow			- 1				- 2				+5
-1											
M-Drive											+5
x2											

	TL	13		40t		2G			32t	free	
MCr 16											

Small Craft – 30ton Ship's Boat

Here it is, finally. The 30ton Ship's Boat got a livery. And not a completely bad one I would say. The 4dt container in the image below is just a quick by-product that might see a bit of improvement in the future.



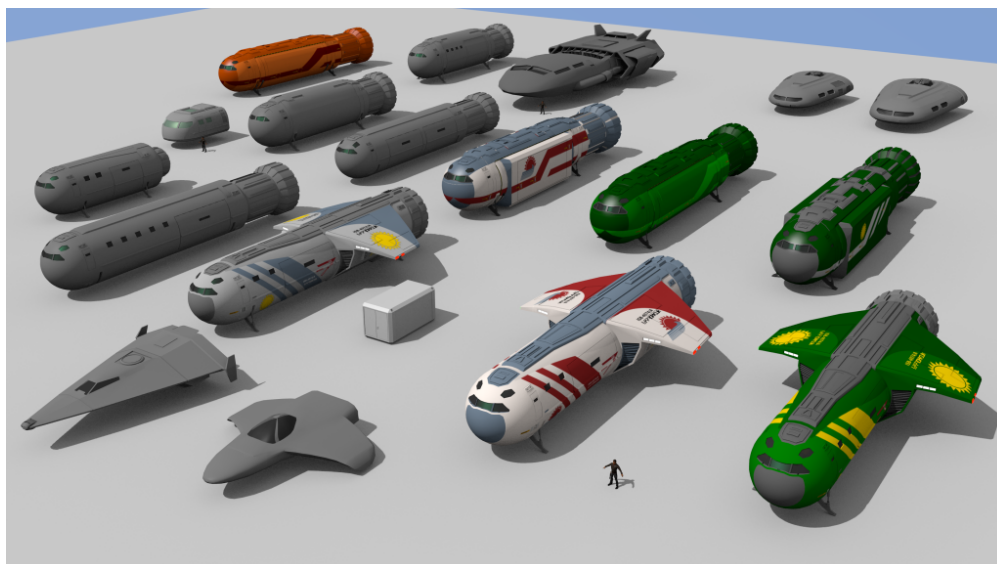
30ton Ship's Boat, Copyright 2015: Traveller Illustrated

More to come...

Small Craft – An Overview

The mission of this site is to eventually model and texture all the common and some less common adventure class starships (ACS) from Classic Traveller (CT). As of now I have modelled a good batch of craft that need a livery badly.

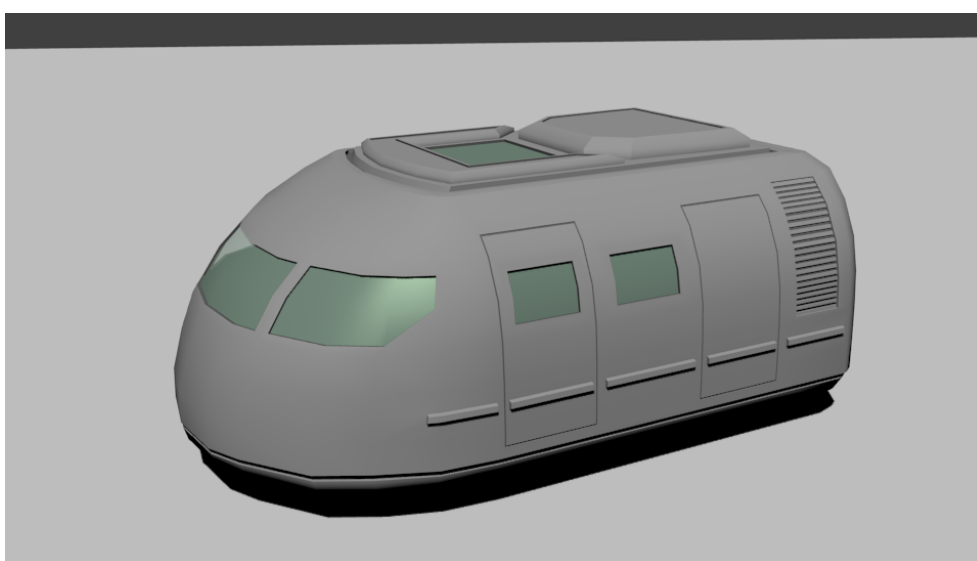
In order to see which ships or boats need one and to keep track of where I am with this venture I frequently render a group shot or parade of all (significant) models and texture variants. Of course I actually produced more texture variants for some than shown in the render below, but some were simply not to my liking. No need to bother anyone with those.



More to come...

Small Craft – 10 ton Sloop

Just a quick model of a tiny craft designed by HG_B over at CotI forums.



10ton Intrasystem Sloop

And for the livery I think I'm going in the direction of a

Starship – 200ton JG Safari Ship (WIP)

Judges Guild 200ton Safari 234 Class by KZM Industries

The Simba Safari is one of the Safari 234 Class built by KZM Industries on Warlock (Ley – 0529). It has numerous special features designed for the Out Hunter. The hull form is a wedge shaped, streamlined, lifting body, easily maneuverable in an atmosphere. The Safari Class is designed for landings in rough terrain with specially strengthened support gear. Capable of 1 G acceleration and Jump 2, this vessel is fitted with fuel scoops and a purification plant for it's 50 tons of fuel. The bridge is equipped with control stations for four; pilot, navigator, engineer, and gunner. The computer installed is a Model/1 bis with standard software package. A double turret is installed on the single hardpoint, mounting a SandCaster and a Beam Laser. Auxiliary vehicles comprise an internally stowed 4-ton air/raft and a dorsally mounted 20ton Launch/Lifeboat. Two tons are reserved for cargo, with special cages fitted to hold 10 and 13 tons respectively. Interior fittings are of high quality, and the living quarters are especially luxurious.

The first ship of it's Class carries the name „Starflame Safari“, others carry the name of memorable adventures/safaris/ journeys: e.g. Rubesa Patrol, Nebula Rover, Dawn Trek, Rimward Run, Wilderness Wanderer, or like this

vessel Simba Safari.

My self declared mission is to model all the iconic CT starships. Of course I want to portray a few that haven't been covered by other artists in much detail before, such as this little beauty. The Safari 234 Class 200dt Judges Guild Safari Ship was featured in the supplement Simba Safari published by Judges Guild and now re-published in PDF form by GDW aka Far Future Enterprises on DriveThruRPG.com.

Vol	Name	TL	Free	Gs	J	PP	Fuel	Duration	MCr	Computer	Crew	Psgr.	LB	Notes
200	JG Safari Ship	14	25	1	2	2	50	one month	92.93	Computer Model/1 bis	6	8	0	sl,a/r,s20



The image shows the ship with extracted wings and closed pop.up turret.

The ship has a few issues that I personally see as minor design flaws and the deckplans do not exactly match the description. According to the original drawings further below and the deckplans (the one shown below was drawn by me), the Launch is mounted above the engineering section and there is a corresponding hatch connecting the craft with the ship. However considering this a a leisure craft for charter there is no way for paying guests to crawl through the engineering

section to get to the boat. Realizing this, the description mentions access to the boat from the Lounge through its ventral hatch (by means of a collapsible ladder and corresponding roof hatch). But there is no craft above the lounge and the hatch in the engineering section is said to connect to the dorsal turret, which is not visible on any of the reference images...



The image shows the ship with the pop-up turret deployed and wings retracted.

Furthermore the deckplans clearly show an emergency Airlock between the rear thrusters (again accessed through engineering) but no other means to access the craft except for a floor hatch on the bridge (another no-go in my book) and through the launch. So either I need to re-design the deckplan to fit the description or re-design the visual appearance of the ship to match the deckplans. The air/raft is mentioned to be carried inside the ship, but no indication of this can be found on the deck plan (which completely omits the dorsal aerodynamic cowl (which could easily house it – so that will be my assumption). I think another Deckplan is due and I will focus on that and base it on the scan below and my 3D model.



New Deckplan

My design philosophy in a nutshell: Strict separation of operations, cargobay and crew or passenger areas. There should be a way to get into and out of the craft and launch without using any of the operational areas (engineering, bridge, avionics, computer, life support or cargobay). Access to turrets only through crew areas. Passengers want viewports, so each cabin and the lounge should have some. Access should be easy when grounded, a ramp or telescopic lift should do the trick.



Ships Dimensions

Volume	Length	Width	Height (main)	Height (incl. cowl)	Notes
200 dt	42.0m	25.5m	7.5m	12.0m	retractable wings require some space between decks

Changes to the original deckplan

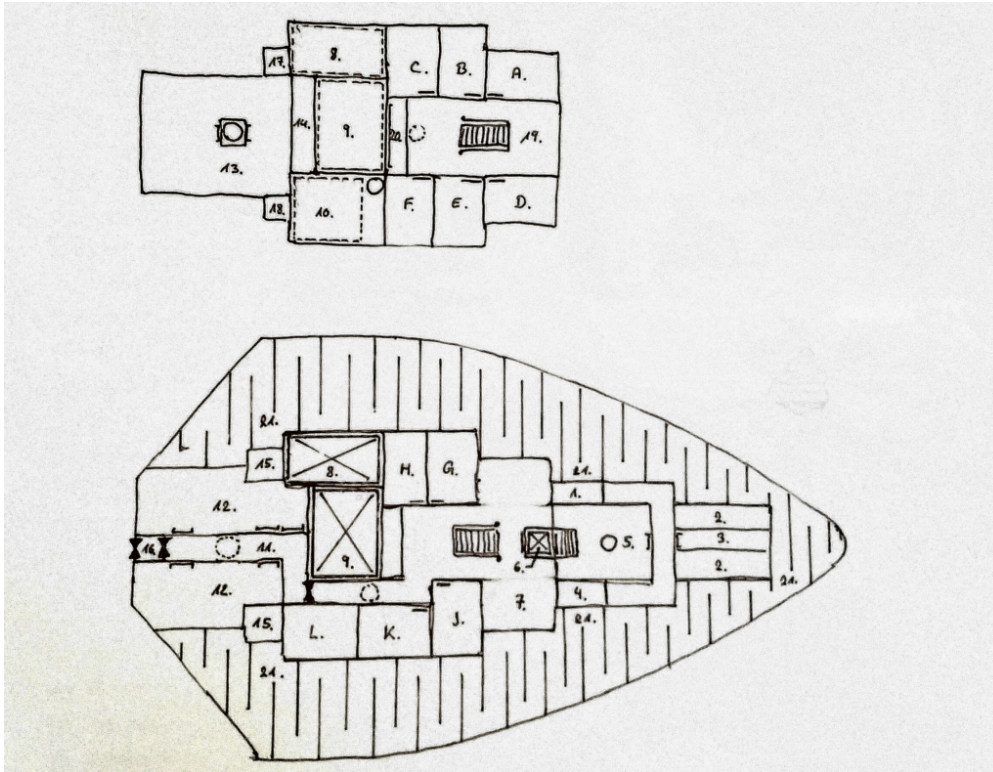
As the ship features split drives anyway these will be moved a bit further apart to allow for a corridor on the lower deck connecting the lounge and the ventral launch access hatch. This inturn will ascent through the upper engineering to the hatch. A secured set of hatches allows access to this part of engineering too.

The connecting stairs between lower and upper lounge will be moved to the rear, so a telescope lift can be fitted to access the ship from below when grounded. The lift opens both to the front and rear, so it can function as a security airlock towards the bridge during flight. Furthermore the lift now helps to access the bridge as there is a level change which is shown as being overcome by some stairs. I haven't decided on the final configuration.

The cargo bays in the rear part of both decks do not need to be re-arranged so the two deck high bays are located at the port side and the centerline, with the latter being a marine tank (possibly with a panorama glass wall forming an aquarium visible from the upper lounge's bar „mirror“. The starbord bay is used to carry the air/raft. All bays feature overhead hatches for easy loading, cleaning or getting rid of especially nasty specimens. The dry bays feature a ventral cargo lifting platform (in fact the entire cargo bay floor can be lowered to the ground) for easy loading or unloading.

The cowl houses the launch dock at the rear, loading hatches for the marine tank, a glass canopy for the lounge and a

turret. I hope to be able to fit the air/raft into it too, but that remains to be seen.



Revised deckplan quick draft by Traveller Illustrated

Legend

#	Description	#	Description	#	Description
1	Computer	11	Rear Corridor	A	Stateroom 1
2	Avionics	12	Lower Engineering	B	Stateroom 2
3	Accessway	13	Upper Engineering	C	Stateroom 3
4	Gunnery	14	Life Support	D	Stateroom 4
5	Bridge	15	Landing Gear	E	Stateroom 5
6	TeleLift	16	Rear Airlock	F	Stateroom 6
7	Main Lounge	17	Reserved	G	Stateroom 7
8	Cargo 1	18	Reserved	H	Stateroom 8
9	Cargo 2	19	Sky Lounge	J	Stateroom 9

#	Description	#	Description	#	Description
10	Cargo 3	20	Bar	K	Stateroom 10
21	Fuel				

The cargo bays are somewhat special. Bay One is normally used as a Specimen Cage and features a dual layered floor that is mounted on telescopic riders running in rails through the whole height of the hull. This allows for both floors to be lowered or raised out of the ship for easy loading or unloading from above or below the vessel depending on port or wilderness situation. Also it allows for a variable height of the cargo bay, as the upper floor can be lowered onto the lower floor so the bay can reach a height of two decks (6m).

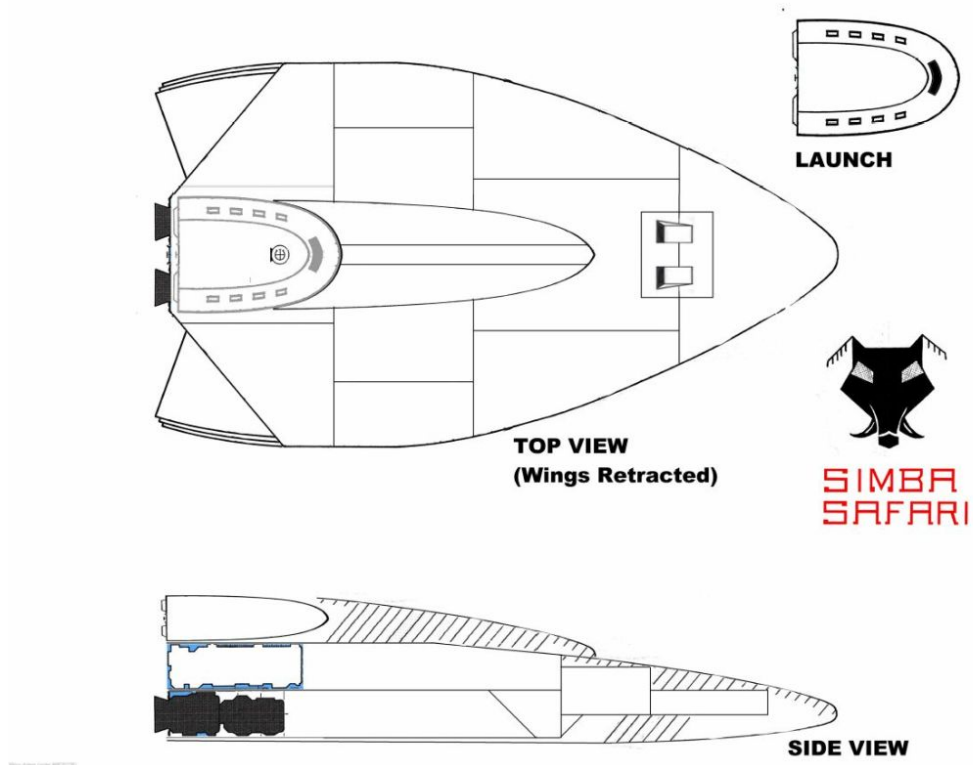
Bay two features a similar floor configuration but can only be lowered beneath the ship. As this bay is equipped as a marine tank, it can be loaded while being watered or submerged. Both bays feature collapsible cage elements to secure both bays either in half height or full height configuration against forcefull specimen. The marine tank is also equipped to find use as an on-board swimming pool, diving bay and of course as a cargo bay.

Bay three only features an overhead hatch with telescoping floor to be raised above the hull. As it is used to store the air/raft, this allows for easy take off and landing.

I will model the mechanism to illustrate it's use.

Reference Scan

I scanned the reference image from the supplement as per FFEs Fair Use Policy. If you want to see the deck plans, go grab it at DTRPG, at less than five bucks the book is a bargain in my opinion. There is a variant featuring two of the JG 10dt Life Boats, which I also plan to model.



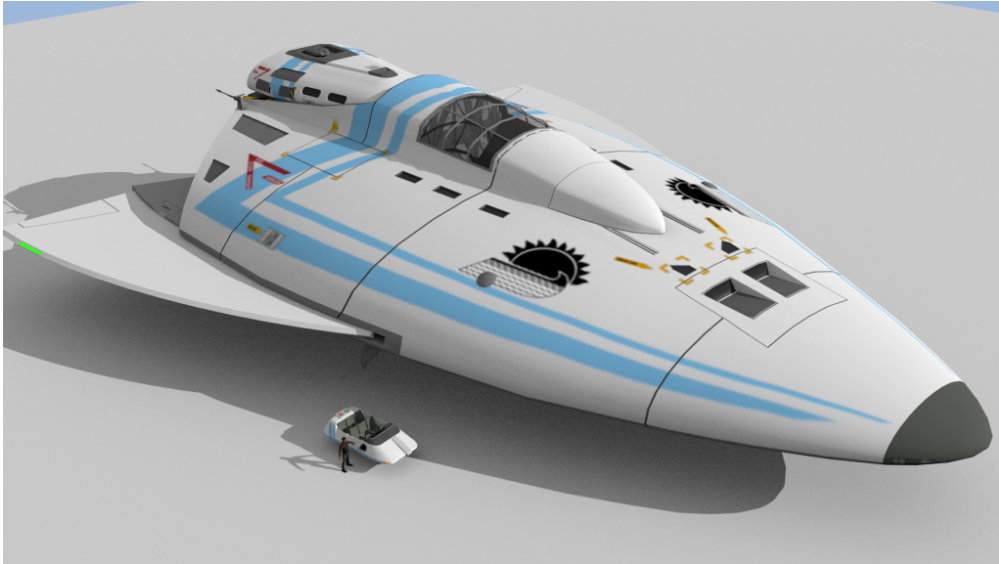
Scan from JG Simba Safari supplement.

Scene with Safari Ship

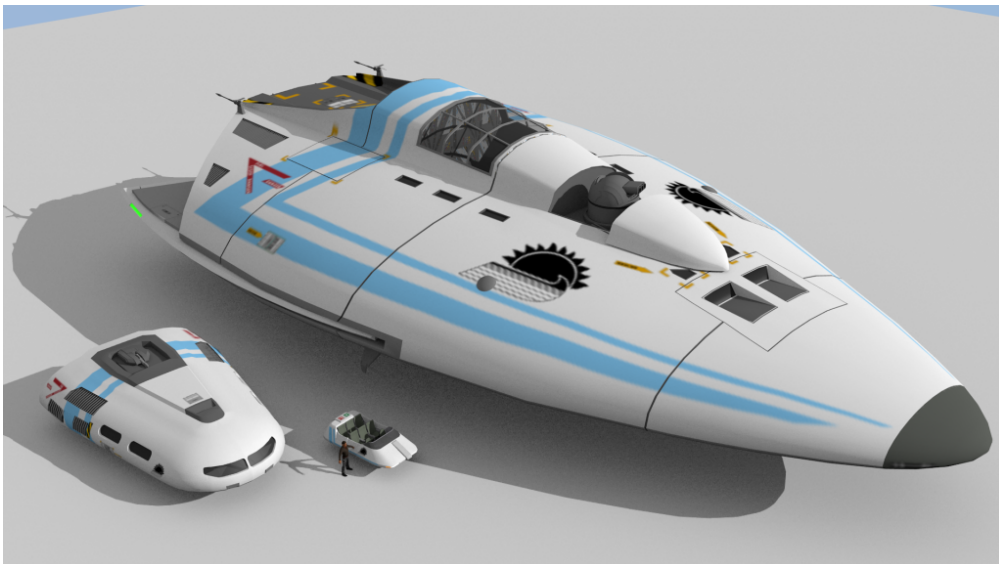
Afternoon Bikini Beach Scene (sans Bikini)



Other Paint Schemes



Testing with Imperiallines Logo – Part 1



Testing with Imperiallines Logo – Part 2

More to come...

Small Craft – 95ton Shuttle

Rosendal class Shuttle

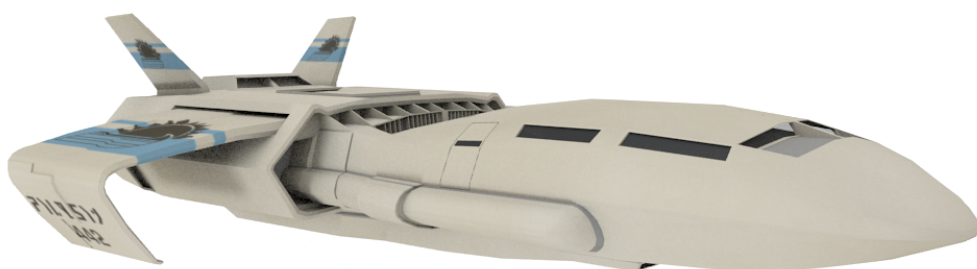
Vol;Name;TL;Free;Gs;Fuel;Duration;MCr;Computer;Notes
95 ;Shuttle ;10 ;71 ;3 ;3t;33 days ;32.3 ;Model/3 ;K, L2, +5



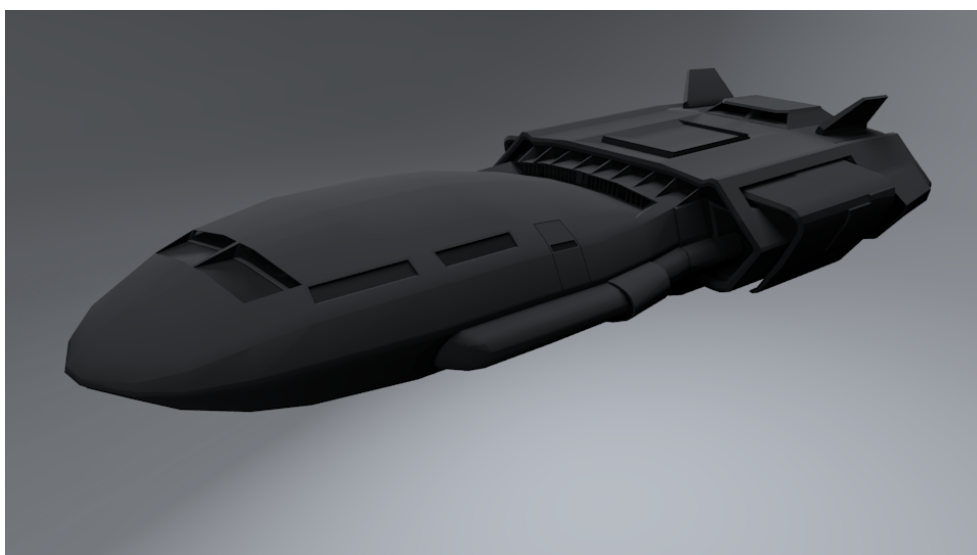
The shuttle is a large interplanetary passenger and cargo vessel. This type of shuttle can operate between a port and an orbital facility fitted out to allow easy docking, but normally is used for interplanetary trade.

Now, there are several illustrations of Traveller shuttles and none of the deck plans that I am aware of actually show this particular craft as drawn by William H. Keith, Jr. for GDW's Imperial Encyclopedia, but for me it is THE shuttle and so I went on to make a 3D model for my Frontier Transport.

This is what basically came out:



The craft can also be seen in the following images:



Rosendal Class 90ton Shuttle WIP

Small Craft Listing

The following Small Craft List was compiled by Robert Eaglestone for the Citizens of the Imperium Forum. I use it here as a convenient listing to link all the small craft that I modeled (and will model) together. I might rip the List

apart to have only a craft index here in the future and place the lines for each craft inside the corresponding craft's article post. However I just got permission to leave it here as it is, and I think it's very convenient like this.

All craft were designed by Robert Eaglestone („robject“ on CotI) solely using Traveller5's Adventure-Class Ships design system, with no modifications. Direct link to the original post with the file: Traveller 5 Small Craft List.pdf (CotI Login required).

Vol;Name;TL;Free;Gs;Fuel;Duration;MCr;Computer;Notes
20 ;Launch ;9 ;11 ;1 ;0.5t;5 weeks ;12.9 ;Model/1bis ;C, L0
20 ;Gig ;15 ;7.5 ;8 ;2t;5 weeks ;18.3 ;Model/2 ;B, C
30 ;Ship's Boat ;13+ ;16 ;6 ;2t;4 weeks ;14.8 ;Model/1bis;
30 ;Slow Boat ;10 ;20 ;3 ;0.5t;16 days ;13 ;Model/1 ;C
40 ;Pinnace ;12+ ;24 ;5 ;2t;4 weeks ;19.4 ;Model/2 ;L2
40 ;Slow Pinnace ;9 ;30 ;2 ;0.5t;18 days ;15.1 ;Model/1bis ;C
40 ;SMC Shuttle ;12+ ;23 ;5 ;2t;4 weeks ;18 ;Model/1bis ;B, S
50 ;Modular Cutter ;11+ ;34 ;4 ;2t;4 weeks ;27 ;Model/3bis;
95 ;Shuttle ;10 ;71 ;3 ;3t;33 days ;32.3 ;Model/3 ;K, L2, +5

NOTES: B = Lift Body. C = Cramped Bridge. K = Cargo Lock. L0 = Short Term Life Support. L2 = Long Term

Life Support. S = Spacious Bridge. +5 = Overtonnage by 5 tons.

Vol. Volume, in tons.

Name. Official name for the small craft.

TL. Technological Level at which this ship is manufactured.

Free. Open, configurable space, in tons.

Gs. Acceleration, in gravities.

Fuel/Duration. Fuel tank size, and operational time given a full tank.

MCr. Price of small craft in millions of credits.

Computer. Computer model installed by default.

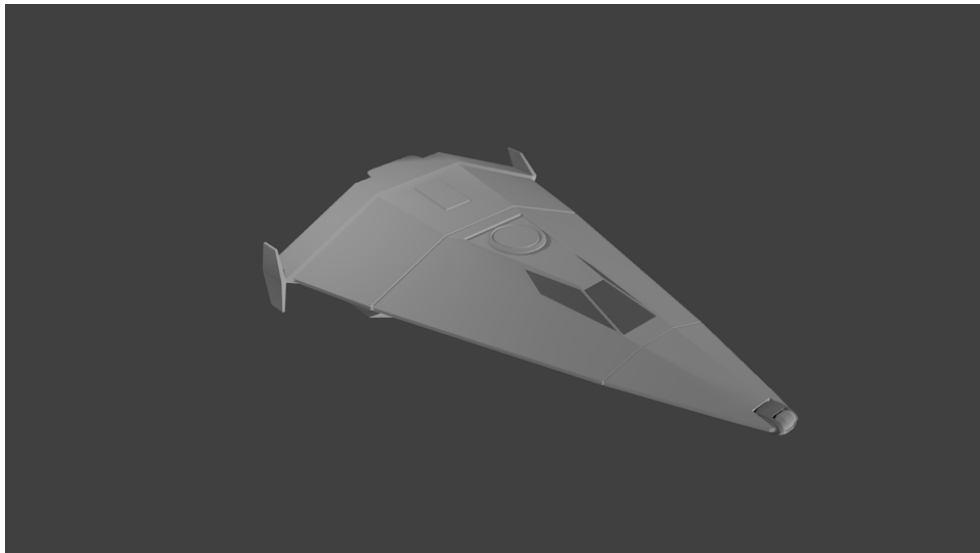
This article has been transferred to a static page to make it available on the sidebar menu.

Small Craft – The Gig revisited...

Well I had this model for a while. But it lacked a certain something. Now what might that be? Interior? Landing gear? A mounted Weapon? Drive exhaust trails? A Pilot?

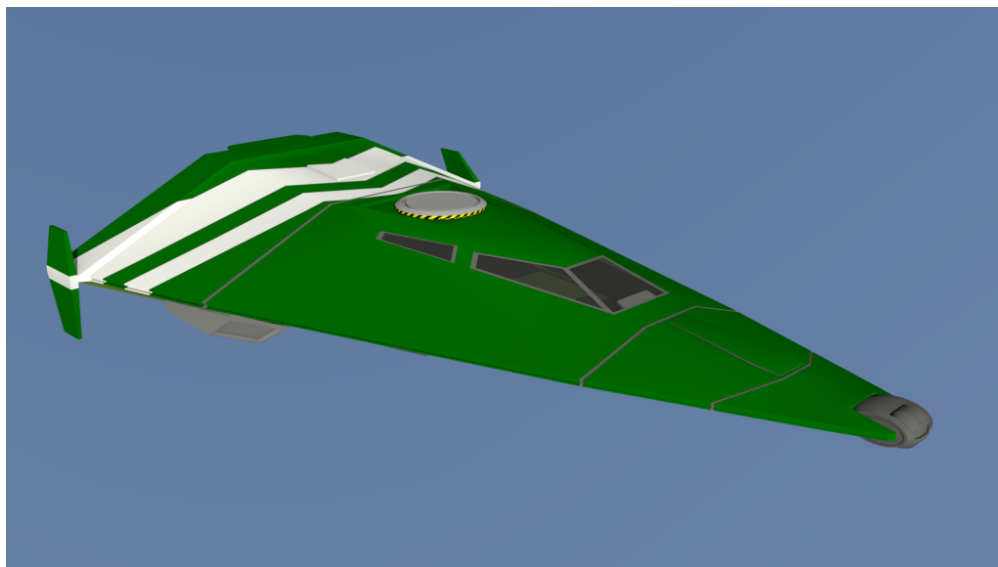
Let's have a look...

Vol	Name	TL	Free	Gs	Fuel	Duration	MCr	Computer	Notes
20	Gig	15	7.5	8	2t	5 weeks	18.3	Model/2	B, C



20ton Gig WIP 01

I could be color.



This is a larger 30ton variant. But you get the idea. I'm on a mission to texture all my existing models.