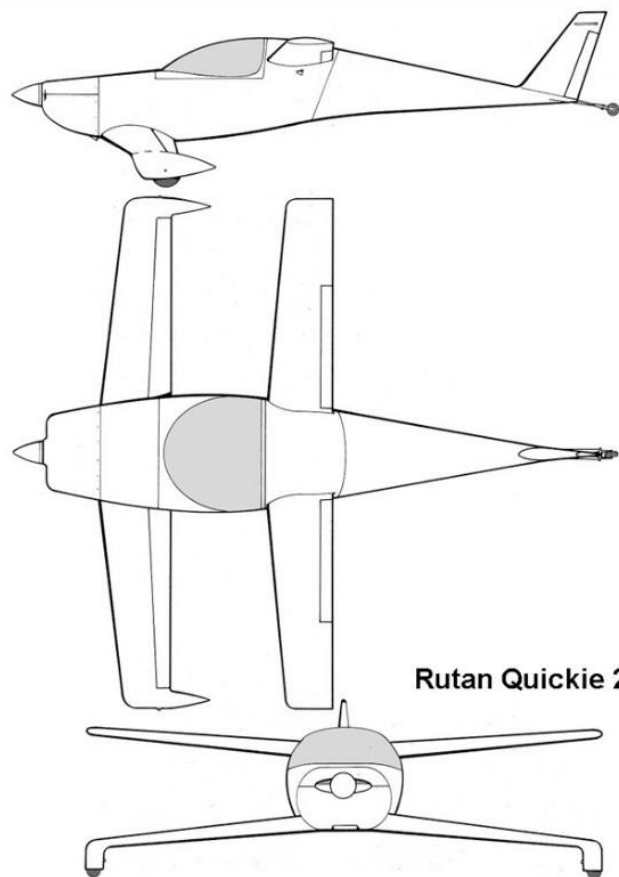


THE QUICKIE Q200 WAS A KIT BUILT AIRCRAFT MADE IN THE 1980'S, GAINING QUICK FAME AS A VERY ADVANCED, AFFORDABLE, HIGH SPEED, ECONOMICAL AIRCRAFT THAT YOU COULD FEASIBLY BUILD IN YOUR OWN GARAGE. THE ORIGINAL WAS A SINGLE SEATER CALLED THE DRAGONFLY, AND LATER A TWO PLACE VERSION WAS BORN FROM IT CALLED THE Q2, AND THEN LATER DOWN THE ROAD, THE MORE ADVANCED Q200 CAME OUT.

THE DRAGONFLY IS A WILD FORM OF 'CANARD' AIRCRAFT. THE FORWARD WING COULD ACTUALLY BE CALLED THE ELEVATOR SECTION AS THAT CONTROLS YOUR PITCH OF UP AND



Rutan Quickie 2



DOWN, WHILE THE REAR WING IS PROBABLY CONSIDERED YOUR 'MAIN' WING WHICH HAS THE AILERONS INCORPORATED IN IT.

THE ORIGINAL Q2 HAD AN INEXPENSIVE AUTOMOTIVE ENGINE FITTED (STANDARD) WITH APPROXIMATELY 64HP AVAILABLE. SOME PEOPLE OPTED FOR OTHER POWERPLANTS SUCH AS ROTAX AND THE CONTINENTAL O-200 (100 HP). IN THIS PACKAGE, THE CONTINENTAL O-200 IS USED.

TO DATE, APPROXIMATELY 3000 KITS WERE SOLD OF THE Q2 DESIGN. IT WAS A PRETTY AMAZING PLANE WITH INCREDIBLE PERFORMANCE CHARACTERISTICS. WHAT WAS REALLY GREAT THOUGH WAS THAT IT MADE AVIATION POSSIBLE FOR THE AVERAGE PERSON AND IT WAS A WILD NEW DESIGN WITH VERY HIGH PERFORMANCE CAPABILITIES.

IN THIS AIRCRAFT ADDON PACKAGE, WE EXPLORE A POSSIBLE 'MODERN DAY' WHAT-IF VERSION OF THE Q200. WHAT IF THE Q200 WERE STILL PRODUCED, WHAT MIGHT THEY BE LIKE. SOME GRAPHICS ARE INTRODUCED, A NICE PRO-BUILT INSTRUMENT PANEL IS FITTED, EVEN A NICE GPS IS INSTALLED. WHAT IF.....

SPECIFICATIONS:

COMPLIMENT: ONE PILOT, ONE PASSENGER

LENGTH: 19 FT 10 IN (6.05 M)

WINGSPAN: 16 FT 8 IN (5.08 M)

HEIGHT: 4 FT 5 IN (1.35 M)

WING AREA: 67 FT (6.22 M)

EMPTY WEIGHT: 500 LB (222 KG)

USEFUL LOAD: 510 LB (231 KG)

MAX. TAKEOFF WEIGHT: 1,200 LB (454 KG)

POWERPLANT: 1 x CONTINENTAL O-200 100 HP 2700 RPM

PERFORMANCE:

NEVER EXCEED SPEED: 200 MPH 175 KNOTS (322 KM/H)

MAXIMUM SPEED: 180 MPH 155 KNOTS (290 KM/H)

CRUISE SPEED: 140 MPH 121 (225 KM/H)

STALL SPEED: 70 MPH 60 KNOTS

RANGE: 400 NM

RATE OF CLIMB: 1,200 FT/MIN (6.10 M/S)



Mark Von Raesfeld-2008

Q200

Typical used price.....	\$15,000 - \$40,000
(new kits and plans are no longer available)	
Estimated build time.....	2000 - 4000 hours
Number flying (at press time).....	100+
Powerplant.....	Continental O-200
100hp@ 2700rpm	
Propeller.....	Cato two-blade fixed-pitch
Powerplant options.....	80 - 100 hp

AIRFRAME

Wingspan.....	16 ft 8 in
Wing loading.....	16.40 lb/sq. ft
Fuel capacity.....	20 gal
Maximum gross weight.....	1325 lb
Typical empty weight.....	760 lb
Typical useful load.....	565 lb
Full-fuel payload.....	448 lb
Seating capacity.....	2
Cabin width.....	43.5 in
Baggage capacity.....	35 lb

PERFORMANCE

Cruise speed.....	185 - 190 mph (161 - 165 kt) TAS
7500 ft @ 75% power, 6.3 gph	
Maximum rate of climb.....	1500 fpm
Stall speed (landing configuration).....	73 mph (63 kt) IAS
Stall speed (climb).....	73 mph (63 kt) IAS
Takeoff distance.....	1000 ft
Landing distance.....	2000 ft

Specifications are manufacturer's estimates and are based on the configuration of the demonstrator aircraft. As they say, your mileage may vary.

WEB DERIVED BROCHURE DATA



FEATURES IN THIS ADDON:

- * HIGH RESOLUTION MESH WORK AIRCRAFT
- * HIGH RESOLUTION 4096 FUSELAGE TEXTURES
- * HIGH RESOLUTION, HIGH REALISM PILOT
- * BRILLIANT 2D CODED INSTRUMENTATION ON 3D GAUGE STRUCTURES
- * ONE 2D PANEL IN 'GRAY'
- * ELEVEN RICH THEMES THAT INCLUDE VARIATIONS IN INTERIORS, EXTERIORS, DECAL DESIGNS, UPHOLSTERY, FORMS OF INSTRUMENT PANEL BASES, AND CONCEPTUAL METALLIC PAINT SCHEMES (FICTIONAL). 3 AIRCRAFT THEMES ARE AIR RACER STYLES.
- * VARIOUS POPUP ZOOMS OF MAIN INSTRUMENTS, ENGINE GAUGES, GPS, AND RADIOS
- * EXCITING EXTERNAL CAMERA VIEWS SO YOU CAN VIEW YOUR SLEEK Q200 FROM OUTSIDE WHILE TOURING GREAT SCENERY IN YOUR SIMULATOR
- * ZERO PLEXIGLASS REFLECTIONS INSIDE FOR MAXIMUM SIM ENVIRONMENT ENHANCEMENT. THIS IS FROM POPULAR DEMAND.
- * RADICAL AIRFILE TUNE TO GIVE YOU A FEEL FOR SUCH A LITE AIRCRAFT (500 LBS DRY) HOW IT WOULD FEEL WITH A SWEET CONTINENTAL O-200 WITH 100 HP UNDER THE COWLING AND A SHARP MODERN PROPELLER WITH LATEST AERODYNAMICS.
- * MODERN COWLING DESIGN WITH HIGH PERFORMANCE SCOOPS
- * EXHAUST STACK REVERSE SCOOPS FOR HEAT EXTRACTION (NO COOLING FLAPS)
- * SURPLUS F-16 VIPER FIGHTER JET JOYSTICK FITTED IN COCKPIT
- * MANY CUSTOM VARIATIONS OF INTERIOR THEME COLORS IN UNIQUE SPATTER PAINT

AVIONICS:

- * GPS WITH POPUP VERSION
- * RADIO; NAV ONE COM ONE ONLY
- * TRANSPONDER
- * HSI NAV COMPASS

COCKPIT LAYOUT:

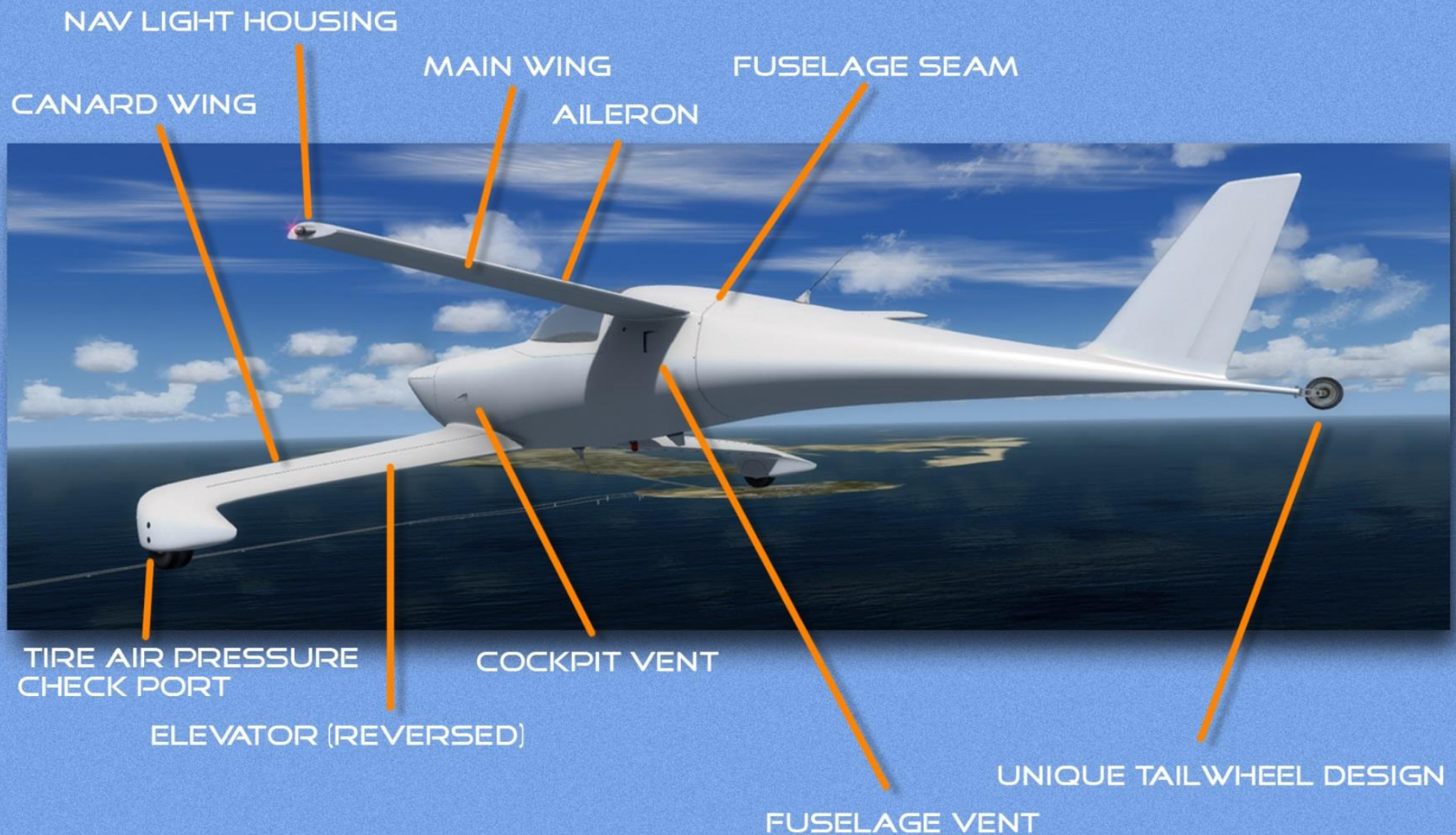
- * GPS
- * BASIC 6-PACK INSTRUMENTS
- * ENGINE INSTRUMENTS
- * AVIONICS
- * LIGHTS SWITCHES
- * STARTER
- * TRINKET TRAY
- * F-16 JOYSTICK



- * ENGINE CONTROLS
- * ELEVATOR (CANARD) TRIM LEVER
- * CANOPY RELEASE LATCH



EXTERIOR



FLIGHT CHARACTERISTICS

THE DRAGONFLY Q200 IS SAID TO BE VERY NIMBLE AND VERY FAST. SHE CRUISES AT HIGH END AT 180 MPH. THAT IS QUITE FAST. ONE MUST STAY SHARP WITH SUCH A SMALL PLANE WITH THAT MUCH SPEED POTENTIAL. ANOTHER FACTOR OF PILOTING THE DRAGONFLY IS 'GROUND TAXIING'. YOUR WHEELS ARE ON THE WINGTIPS! WITH THAT KNOWN, SO ARE YOUR BRAKES! COUPLED WITH TOE-BRAKING, YOUR PLANE HAS THE ABILITY TO WHIP AROUND IN A QUICK CIRCLE, WHAT THE Q2 PILOTS CALL 'SHOOTING INTO THE WEEDS'. IF YOU ARE NOT FAST ENOUGH, YOUR AGILE LITTLE Q200 WILL QUICKLY BECOME A GIANT WEED-EATER, SO 'STAY ON YOUR TOES' WHEN USING YOUR BRAKES IN THIS LITTLE BIRD.

SOME THINGS TO NOTE. YOUR LANDINGS MAY BE BUMPY, LIKE YOU HAVE NO SUSPENSION. YOUR AIRFRAME IS ONLY 500 POUNDS (DRY) AND SO SHE WILL LAND A BIT LITE, SO TAKE THAT INTO ACCOUNT ON LANDINGS. YOUR TAILWHEEL HAS NEARLY ZERO BOUNCE, SO YOU MAY HAVE OCCASIONAL 'HOP' IN THE TAIL ON BUMPS IN THE TARMAC.

IN FLIGHT, SHE IS VERY DOCILE, WITH VERY SENSITIVE AILERONS. YOU CAN BANK VERY QUICKLY, ALMOST WHIPPING MANEUVERS IF YOU ARE NOT CAREFUL. NOTE THAT YOUR ELEVATORS ARE UP BY YOUR FEET, THE ELEVATORS (CANARD STYLE) MOVE OPPOSITE TO NORMAL ELEVATORS. YOUR AILERONS ARE BEHIND YOUR HEAD.

YOU HAVE NO FLAPS! YOU ARE WARNED. SHUT DOWN YOUR POWER AHEAD OF TIME TO SLOW YOUR BIRD DOWN FOR LANDINGS OR YOU WILL HAVE TO GO AROUND.

REALISMS IN THIS ADDON

IF YOU WANT A HIGH REALISM VERSION OF THIS PLANE, GOOD LUCK. THIS IS FIRST AN EXPERIMENTAL PLANE BUILT IN PEOPLES GARAGES. THEY ALL HANDLED DIFFERENT WHEN TURNED LOOSE INTO THE SKY. SOME PEOPLE ASSEMBLED THEM SLIGHTLY DIFFERENT THAN THE PLANS CALLED FOR, FITTING DIFFERENT PANELS, DIFFERENT COWLINGS, CHANGING THE FUSELAGE VENTS OR ADDING VENTS, ETC, ETC. SO IF YOU THINK THE COWLING IS WRONG, IF YOU THINK THE SCOOPS SHOULDN'T BE THERE, IF YOU THINK SHE ACCELERATES TOO FAST, IF YOU HATE THE PROP, IF YOU THINK THE WINGS LOOK ODD, THEN I URGE YOU TO NOT BUY THIS, BUT INSTEAD, PURCHASE 3DS MAX 2015, PHOTOSHOP CS7, AND ALL THE PROGRAMS IN BETWEEN, AND JUST BUILD YOUR OWN. YOU MIGHT REALLY ENJOY IT. I LOVE IT. JUST DON'T LET THE RIVET COUNTERS DRIVE YOU NUTS. THEY TRY SO HARD TO FIND ANYTHING WRONG THAT THEY DO NOT REALISE THEY HAVE A NEW, FUN, NICELY MADE LITTLE PLANE TO FLY.

WITH THAT SAID, THERE WERE MANY VARIATIONS OF THE DRAGONFLY Q2, INCLUDING THE Q200. THEY ALSO HAD VARIED PERFORMANCES, PANELS, ETC. I DIDN'T WISH TO MAKE THIS INTO A SEVERAL MONTH PROJECT WITH MANY COWLINGS AND PANELS, ONLY ONE PLANE. ONE SINGLE PLANE. SO I WENT THROUGH ALL THE PHOTOS ONLINE AND LOOKED FOR THE KEY ELEMENTS I WOULD WANT ON MY OWN DRAGONFLY AND I WENT WITH THAT. I USED THE NEWEST VERSION RACER COWLING WHICH HAS THE COOLING FLAP OMITTED AS THE EXHAUST COVERS ACT LIKE HEAT EXTRACTERS. I WENT WITH ONE PANEL DESIGN WITH LOW COST 'STEAM' (ANALOGUE) INSTRUMENTS. I WENT WITH ONE GPS (FOR MODERN NAVIGATION). SO THAT IS WHAT I HAVE. WITH THOSE ELEMENTS I CHOSE, I THEN MADE 'THEME PACKS' OF EACH COLOR VARIANT SO THAT IT SEEMS LIKE THERE ARE 11 TOTALLY DIFFERENT Q200S. LASTLY, I MADE HER FUN. YEP! SHE ISN'T SLUGGISH, SHE ISN'T TOO DIFFICULT, BUT SHE IS FEISTY AND KEEPS YOU ON YOUR TOES. SHE HAS ZERO REFLECTIONS IN THE CANOPY FOR FLYING IN HIGH DETAIL SCENERY. SHE WAS MADE TO BE A NEW, DIFFERENT LITTLE PLANE TO EXPLORE AND TO FLY IN THE UNIQUE FS WORLD.

BILL
LHC

SOME TIPS AND TRICKS WITH THE Q200

WHEN TAKING OFF, IF YOU PUSH THE THROTTLE IN 'INSTANTLY' OR 'FAST', YOU MAY GET A TWIST IN YOUR DIRECTION CAUSED BY INSTANT GYROSCOPIC FORCES ON THE PROP TRANSLATING INTO THE SUPER LITEWEIGHT AIRFRAME, WHICH WILL SEND YOU OFF INTO THE WEEDS. TRY GIVING THIS BEAST 'SLOW' THROTTLE' GOING THROUGH THE RPM GRADUALLY (NOT TOO SLOW, BUT SLOWLY) UNTIL YOU ARE AT FULL POWER. YOUR ACCELERATION WILL NOT CURVE OUT INTO THE WEEDS THIS WAY.

* FOR THOSE THAT LOVE AUTO-PILOT, YOU CAN USE THE SHORTCUT KEYS TO MANAGE THE AUTOPILOT

*** AP ON.....Z KEY

*** ALT LOCK.....CONTROL / Z

*** HDG LOCK....CONTROL / H

* FOR PAINT KITS, EMAIL LHC AND SPECIFY WHICH PLANE YOU WANT, AND IF NEEDED, INTERIOR PARTS. YOU CAN MAKE SOME REALLY COOL CUSTOM SEATS. YOU CAN ALSO JUST USE 'COLORIZE' AND MODIFY THE TEMPLATE 'WHITE PLAINE' VARIANT. JUST MAKE BACKUP COPIES AND NEW VERSIONS WITH EACH NEW THEME CREATION YOU MAKE.

* IF YOU ARE AN EX QUICKIE PILOT AND YOURS FLEW DIFEERENT SPEEDS AND HAD DIFFERENT HANDLING CHARACTERISTICS, DO NOT LOSE HOPE. GO INTO THE 'AIRCRAFT.CFG' FILE IN THE Q200S FOLDER IN FS, OPENING IT WITH WINDOWS NOTEPAD. THERE, LOOK THROUGH THE VARIOUS SETTINGS AND EFFECT SOME TUNE CHANGES, SAVE, AND TEST IN YOUR SIMULATOR. REMEMBER FIRST TO MAKE BACKUP COPIES OF THAT FILE (IMPORTANT) AS YOU CAN MESS UP YOUR PLANE BAD. SO JUST EXPERIMENT AND HAVE FUN. PROP THRUST IS A GOOD WAY TO START CHANGING SPEEDS. AILERON DEFLECTIONS CAN CHANGE AGILITY IN BANK SPEEDS, ETC, ETC.

BURIED IN THIS PACKAGE IS A FICTIONAL BLACK CARBON FIBER VERSION PLANE. ONE NEEDS TO GO IN AND ACTIVATE THE REGISTRY FOR IT, WHICH IS COMMENTED OUT WITH // SYMBOLS. REMOVING THE SYMBOLS SHOULD ACTIVATE THE HIDDEN CF EXTREME VARIANT. THIS ONE IS VERY FICTIONAL AS BLACK SHOULDN'T BE ON COMPOSITE AIRCRAFT, HOWEVER, THIS IS CARBON FIBER, AND ITS TOTALLY FICTIONAL.