

**3
DAY**

AVIATION

AUCTION



**FRIDAY, SATURDAY and SUNDAY
DECEMBER 5, 6, & 7, 2003**

Starting at 9:00 A.M. — All Three Days

**U.S. AIR SALVAGE • JOHNSON CITY, TENNESSEE
AUCTION BEING HELD AT APPALACHIAN FAIR GROUNDS - GRAY, TN**

DIRECTIONS: When leaving the Tri-City Airport, turn left on 75S. Go three lights (6.2) miles to Old Gray Station Road, turn right, go 1/4 mile to Gray Station, turn left, go 50 yards, turn right on Chapel.

PRSR FIRST CLASS
U.S. POSTAGE
PAID
PERMIT NO. 7
WATERLOO, NE

FIRST CLASS

— SALE ORDER —

— FRIDAY —

Landing Gear, Wheel Brakes, Exhaust, Engine Mounts, Spinners, Cowlings, Fuel Tanks, Doors, Control Surfaces, Wheel Pants, Lift Struts, Seats, Airframe Inv.

— SATURDAY —

Propellers, Wings, Fuselages, Accessories, Cases, Shafts, Engines, Cylinders

— SUNDAY —

Finish Engine Inventory and Engine Parts, Electrical, Instruments

ABSOLUTE AUCTION

SALE SITE PHONE: Call Starman Bros. Auctions, (402) 592-1933 or (800) 849-8692.

AIRLINE CONNECTIONS: Commercial airlines have service into Tri-City Regional Airport, Kinsport, TN, or Knoxville, TN, approx. two hour drive, private aircraft into Tri-City Airport, rental cars available there.

— HOTELS —

Holiday Inn
101 W. Springbrook Dr.
Johnson City, TN 37604
(423) 282-4611

Fairfield Inn
207 E. Mount Castle Dr.
Johnson City, TN 37601
(423) 282-3335

Super 8
108 Wesley St.
Johnson City, TN 37601
(423) 282-8818

Red Roof Inn
210 Broyles Dr.
Johnson City, TN 37601
(423) 282-3040

Best Western Hotel
2406 N. Roan St.
Johnson City, TN
(423) 282-2161

Best Southern Motel
2606 N. Roan St.
Johnson City, TN 37601
(423) 282-4011

STARMAN BROS. AUCTIONS INC.

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(402) 592-1933

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Return Service Requested

★★★ LANDING GEARS ★★★

Several Hundred Pieces of Landing Gear. Including: Cessna 150/152, 172, 182 Nose and Main Gears, C-210 Nose Gears, Cessna 140, 170 Spring Gears, C-310 Nose and Mains, Misc. 400 Series Gear, C-337 Nose Gears, Piper Navajo Mains, Cherokee Nose and Mains, Comanche and Twin Comanche Arrow, Seneca, Cherokee Nose and Mains, Beech Musketeer, Skipper, Sierra, A-36, Bonanza and Baron (Early and Late Model) Noses and Mains, Beech King Air, Queen Air Nose and Main Gear, Mooney Nose and Mains, Commander Nose and Main, Inventory to Include Retract Links, Scissors, Nose Forks, Barrels, Pistons, Torque Tubes, Nose Steering Rods, Upper and Lower Trunnions, Shimmy Dampeners, Drag Links, Retract Rods, Several Hydraulic Power Packs Including Prestolite, Ozone, Etc., Good Selection of Landing Gear Transmissions and Motors for Cessna and Beech, Hyd. Actuators, Gear Pivots, C-210 Main Gear Actuators, Beech and Cessna Main Gear Boxes, Beech LG Box and Spider Shafts



WHEELS & BRAKES

(300+) Wheel Assys. and Wheel Halves, 5", 6", 8", 10" Cleveland, Goodyear, Goodrich, McCauley, Etc. Nose and Mains, Large Selection of Single and Multi Puck Brake Calipers, Brake Discs, Multi Disc Brakes, Axles, Master Cylinders, Axle Nuts, Brake Pucks, Wheel Spacers, Calipers, Backing Plates, Parking Brakes



EXHAUST & MUFFLERS

(800+) Mufflers and Exhaust Systems for Cessna, Piper, Beech, Mooney, Grumman, Etc. Most are in very good condition. Both Single and Twin Engine, Exhaust Pipes, Turbo Exhaust, Turbo Transitions

ENGINE MOUNTS

(150+) Engine Mounts for Cessna, Piper, Beech, Mooney, Grumman, Etc. Misc. Radial Engine Mounts. Most are in good condition.



SPINNERS

(300+) Spinners 2 and 3 Bladed to Include Cessna 100, 200, 300 and 400 Series Beech: Musketeer, Bonanza, Baron, Queen Air, King Air, Piper: Tri-pacer, Comanche, Arrow Cherokee, Apache, Navajo, Mooney, Grumman, Etc. (150+) Spinner Backing Plates 2 and 3 Bladed



NOTE: DUE TO THE LARGE VOLUME OF INVENTORY TO BE SOLD, WE WILL BE RUNNING TWO AUCTION RINGS SEVERAL TIMES THROUGHOUT THE WEEKEND. PLEASE COME PREPARED WITH HELP.

LANDING GEAR DOORS & INVENTORY

Cessna 210, 300 and 400 Series Nose and Mains, Piper Comanche, and Aztec Nose and Mains, Beech Bonanza Main Gear Inner and Outer, and Nose, Aero Star Main and Nose and Several Others, Landing Gear Door Fitting, Hinges, Push Pull Rods, Uplocks, Etc.

★ COWLING ★

(200+) Top and Bottom Cowls Including:

Cessna 120, 140, 150/152, 170, 172, 182, 175, 210, 336/337, 300 and 400 Series, Piper: Tri Pacer, Tomahawk, Arrow, Seneca, Lance, Comanche and Twin Comanche, Cherokee, Aztec, Apache, Chieftain, Lance Beech: Musketeer, Sundowner, Skipper, Bonanza, Baron, Twin Bonanza, Queen Air, Mooney, Bellanca, American Grumman, Commander, Etc., Large Selection of Cowl Flaps



★★★ NOSE CONES & RADOMS ★★★

(30+) Cessna Piper and Beech Nose Cones and Radoms

★★★ LIFT STRUTS ★★★

(100+) Lift Struts Cessna and Piper Struts

★ WING & CONTROL SURFACE TIPS ★

Large Selection of Wing and Control Surface Tips, Tail Cones and Stingers

FUEL TANKS

(50) Cessna Wing Tanks 100 Series, Some Long Range
(40) Piper Wing Tanks, Small and Large
(30) Cessna 300 and 400 Series Tip Tanks
Piper Tri Pacer Tanks
Aeronca Tanks
Beech 18 Tanks
Bonanza Rear Seat Aux. Tanks
(20) Misc. Other Tanks
Bonanza and Comanche Tip Tanks



CABIN DOORS & INVENTORY

(200+) Cabin Doors to Include Cessna 100, 200, 300 and 400 Series, P-210 Doors, Piper Tri Pacer Thru Navajo Doors, Beech Skipper Thru Queen Air Doors, Bonanza Cargo Doors, Queen Air Stair Door, Merlyn Door, Good Selection of Door Handles and Latches, Complete Assys., Door Hinges, Etc.



★★★ WHEEL PANTS ★★★

(200+) Wheel Pants Nose and Mains, Cessna 100 and 200 Series, Piper Tri Pacer, Cherokee, Lance, Saratoga, American Grumman

★★★ CONTROL WHEELS ★★★

Good Selection to Include: Cessna, Piper, Beech, Mooney, Etc. Some w/ Push to Talk, Beech Rams Horns, Etc.

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★ ★ ★ AIRFRAME INVENTORY ★ ★ ★

To Include Cessna, Piper, Beech, Mooney, Bellanca, American Grumman, and Commander: Steps, Rudder Pedals, Pitot Tubes, Fuel Selector Valves, Primers, Control Surface Cables, Mixture Cables, Trim Wheels, Cowl Flaps, Push Pull Rods, Flap Actuators, Flap and Gear Motors, Several Control Surface Trim Tabs, Vacuum System Filters, Oil/Air Separators, Bonanza Louvered Cowl Side Panels, Baggage Doors, Fuel Caps and Filler Necks, Battery Boxes, Throttle Quadrants, Oxygen Bottles, Accumulators, Inspection Panels, Windows and Frames, Etc.

★ ★ ★ AIR BOXES ★ ★ ★

(100+) Air Boxes, Continental, Lycoming, Cessna, Beech, Piper, Mooney, Etc.

★ ★ ★ SEATS & INTERIOR ★ ★ ★

Very Large Selection of Seats for All Types of Aircraft to Include Pilot, Co-Pilot, Articulating, Bench Seats, Etc. Seat Belts and Shoulder Harness, Arm Rests, Head Rests, Eye Ball Air Vents, Wood Cabinets, Tables, Etc. Large Selection of Interior Plastics, Headliners, Glare Shields, Instrument Panels, Etc.

CONTROL SURFACES

Over 1,000 Control Surfaces to Include:

Cessna: 120, 140, 150/152, 172, 182, 210, 300 and 400 Series, Elevators, Rudders, Horizontals, Ailerons, Flaps
Piper: Tri-Pacer Thru Navajo, Includes Cherokee 140,180, Comanche, Twin Comanche, Arrow, Seneca

Bonanza: Skippers, Musketeeer, Bonanza, Baron, Queen Air, Some King Air
American Grumman: Tiger, Linx, Cheeta, Etc.

Bellanca Viking and Super Viking

Mooney, Ercoupe, Commander, Etc. Will Include Rudders, Elevators, Ailerons, Flaps, Vertical Fins, Horizontal Stabilizers, Etc.

For Most Makes and Models. Some Good Surfaces, Some for Rebuild



WINGS

(20) Cessna 150/152 Wings
(20) Cessna 172/182 Wings
(9) Cessna 210 Wings, 1966 Thru 1975
(5) Cessna 337 Wings
(5) Cessna 177 Cardinal Wings
R/H 206 Wing Early
R/H C-207 Wing
(10) C-300 Series Wings

(10) C-400 Series Wings
(4) Piper Twin Comanche Wings
(10) Piper Comanche Wings
(5) Tomahawk Wings
(2) Comanche 180 Wings
(Approx. 30) Piper Wings, Includes Cherokee, Arrow, Warrior, Etc., Tupper Wings and Hershey Bar
(4) Luscomb Wings
(2) Commander Lark Wings
(2) Bellanca Wings
(6) Beech Sierra and Musketeeer Wings
(2) Queen Air Wings
(20) Bonanza and Baron Wings, Some w/Gears
(4) Damaged Tri Pacer Wings
Wings have light to moderate damage on them.

★ ★ ★ FUSELAGES ★ ★ ★

(10) Cessna 172 Fuselages
(5) Cessna 152 Fuselages
(8) Cessna 150 Fuselages
Cessna 210 Fuselage
Cessna T-210 Fuselage
Cessna P-210 Fuselage
Cessna 175 Fuselage
Piper Arrow Fuselage
(5) PA-28-140 Fuselages
(4) PA-28-180 Fuselages
(2) PA-32-260 Lance Fuselages
PA-23- 250 Aztec Fuselage
PA-34-200T Seneca II Fuselage
PA-28-235 Fuselage
PA-32-300 Fuselage
(2) PA-28-161 Fuselages
PA-30 Twin Comanche Fuselage
PA-24-250 Comanche Fuselage
PA-28-235 Fuselage
(6) Beech Bonanza Fuselages
(3) Beech Musketeeer and Sundowner Fuselages



(2) Beech Sierra Fuselages
Beech Debonair Fuselage
(2) 95 Travel Air Fuselages
(2) B-55 Baron Fuselages
Mooney M20 Fuselage
(6 Ea.) Mooney Tail Sections
(4) American Grumman Fuselages
(2) Bellanca Fuselages
Tri Pacer Fuselage
Super Viking Fuselage

★ ★ ★ ENGINES ★ ★ ★



(4) Lycoming O-290-D Engine Cores
Lycoming O-290-G Engine Core, Shaft Dialed .004
Lycoming O-235-C1 Engine Core
Lycoming O-235-C1B Engine Core w/Accys. Dialed .001
Lycoming O-235-L2C Engine Core w/Accys.
(2) Lycoming O-320 Engine Cores w/Bad Cranks
Lycoming O-320-H Engine Core
Lycoming IO-360-AIA Engine Core
LIO-360-C1B6 Engine Core
TSO-540-A2B Engine Core (Less 2 Cyls.)
(2) Lycoming IGSO-480-A1E6 Engine Cores
Lycoming GO-435-C2 Engine Cores w/Accys.
Lycoming GO-480-B1C Engine Core
Cont. O-300-A Engine Core
(6) Cont. E-185-11 Engine Cores
(7) Cont. E-185-8 Engine Cores
(7) Cont. E-225 Engine Cores
(2) Cont. O-300-C Engine Cores
Cont. IO-360-D Engine Core
Cont. IO-360-A Engine Core
Cont. LTSIO-360-E Engine Core
(2) Cont. TSIO-360-F Engine Cores (Bad Cranks)
(3) Cont. O-470-S Engine Cores
(2) Cont. O-470-R Engine Cores
(2) Cont. O-470-L Engine Cores
Cont. O-470-M Engine Core
Cont. O-470-G Engine Core
Cont. O-470-A Engine Core
(3) Cont. IO-470-C Engine Cores
(5) Cont. TSIO-470-B Engine Cores
Cont. TSIO-520-CB Engine Core
(2) Cont. TSIO-520-C Engine Cores
(2) Cont. TSIO-520-H Engine Cores
Cont. TSIO-520-B Engine Core
(5) Cont. IO-520-C Engine Cores
(3) Cont. IO-520-BA Engine Cores
Cont. IO-520-B Engine Core
(2) Cont. IO-520-D Engine Cores

NOTE: Several of the above engines have accessories with them, and largest portion of the flanges dialed OK.

★ ★ ★ ENGINE BAFFLING ★ ★ ★

Large Selection of Engine Baffling.

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★ ★ ACCESSORIES ★ ★



(150+) Starters: 12 and 24 Volt Prestolite, Delco, Cont., Bendix
 (55+) Alternators: 12 and 24 Volt, 50 to 100 Amp, Prestolite, Electro Systems, Etc.
 (90+) Generators: 25 to 125 Amps, Delco, Lear Siglar, Bendix, Etc.
 (65+) Carburetors: Including MA3-SPA, MA-45, HA-6, PS-5C, PSH-7BD, Etc.
 (100+) Oil Coolers: Harrison, Stewart-Warner, Front and Rear Mount Cont. & Lyc.
 (180+) Fuel Pumps: Romec, Pesco, Thompson, Dukes, Airborne, Weldon, Adel
 (40+) AC Manual Fuel Pumps
 (150+) Wet and Dry Vac Pumps
 (50+) Tach Generators
 (100+) Prop Governors: Hartzell, Woodward, Ham. Stan., McCauley
 (40+) Hydraulic Pumps
 (75+) Right Angle Starter Drives
 Right Angle Starter Drive Inventory, Including: Shafts, Housings, Gears, Springs, Drives, Etc.
 Very Large Selection of Continental and Lyc. Oil Pump Assys. Including High Volume, Good Selection of Inventory.
 E-80 and 36E14 Starters
 (55+) Heaters: Janitrol and Southwind
 Large Selection of Blowers, Motors and Ignitors for Heaters
 (50+) Flap and Gear Motors
 (170+) Magnetos: Bendix, Slick, 4 and 6 Cyl., Dual Mags, Misc. Bendix Scintilla Mags
 Oil Cooler Mounting Plates
 (25+) Turbo Chargers: Garrett and Ray Jay
 Turbo Waste Gates and Controllers: Several Fire Bottles and Squibs
 Dual Accy. Drives, Accy. Drive Adapters
 Prop Governor Drives
 Air Conditioning Inv. Including Complete 421 A/C Unit
 Heat Exchangers

FUEL INJECTION INVENTORY

Several Fuel Injection Servos Bendix RSA-5 and RSA-10
 (50+) Throttle Body Assys.
 Several Continental Fuel Pumps, Flow Dividers Injectors, Lines, Etc.

★ ELECTRIC INVENTORY ★

Pitot Tubes, Static Inverters, Delce Timers, Nav. Lights and Mounts, Hoskins and Grimes Strobe Lights and Power Supplies, Landing Light (Retractable and Gear Mounted) Lenses, Bulbs, Solenoids, APU Recepticals, Power Supply Converters, Voltage Regulators, Dimmer Regulators, Ignition Switches, Starter Vibrators, Alternator Control Units, Carbon Pile Regulators, Relays, Over Voltage Regulators, Rotating Beacons, Etc.

★ ★ ★ CYLINDERS ★ ★ ★

(350+) Continental Cylinder Cores From 65/85, 0-200, 0-300, 360, 470, 520 and GTSIO
 (310+) Lycoming Cylinder Cores 0-290, 0-235, 0-320, 360 and 540
 Franklin Engine Cylinders

★ ★ ★ CRANKCASES ★ ★ ★



(70+) Continental Crankcases, 65/85, 0-200, 0-300, E-185/225, 470, 520 Front and Rear Alt., and GTSIO
 (65) Lycoming Crankcases, 0-235, 320, 360, 540, IGSO-480, VO-435, HIO-360
 Franklin Crankcases

★ ★ CRANKSHAFTS ★ ★

Approx. 300 Crankshafts, Continental and Lycoming, 4 and 6 Cylinder
 Misc. Yellow Tagged Shafts

★ ★ ★ CAMSHAFTS ★ ★ ★

Approx. 325 Camshafts, Continental and Lycoming, 4 and 6 Cylinder

★ SUMPS & OIL PANS ★

Approx. 200 Continental and Lyc. Sumps and Oil Pans

★ ENGINE INVENTORY ★

(20) Starter Ring Gears, Large Selection of Continental and Lyc. Accy. Cases, Push Rods and Housings, Rocker Arms, Connecting Rods, Through Bolts, Valve Springs, Rocker Arm Shafts, Pistons and Piston Rings, Valves, Cam Gears, Misc. Internal Engine Gears, Dipsticks and Housings, Engine Mount Legs, Rocker Box Covers

★ ★ ★ INTAKE PIPES ★ ★ ★

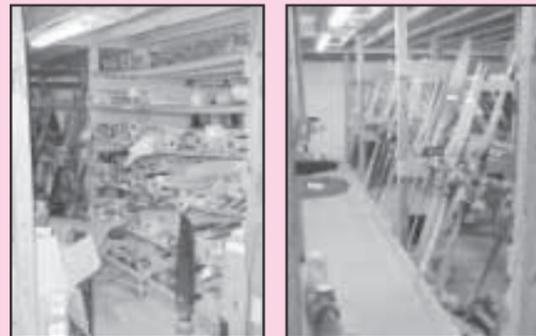
Large Selection of Cont. and Lyc. Intake Pipes, Cross Over Tubes, Intake Manifolds, Intake for Cont. A-65

AUTO PILOT INVENTORY

Heads and Servos for Altimatic III and IIIB, Cessna, Mitchell, King Avionics. Includes Misc. Older Receivers, Amplifiers, Transceivers, Transponders, Etc.

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★ ★ PROPELLERS ★ ★



(30+) Fixed Pitch Props to Include: McCauley, Sensenich, Flottrop, For Most Makes of Single Engine Aircraft
 (60+) 2-Bladed Constant Speed Props to Include These Manufacturer Model Numbers:
 Hartzell: HC-A2VK-2, HC-A2UK-1, HC-82VK-10, HC-82VL-2C, HC-82XL-2, HGE24L, HC-32XL-2C, HC-922K2B
 McCauley: D2A34C, 2A34680, D2A36C, B2D34C214-18, B2D34C, 2836CI-T, D2A34C58-N, B20340218, C2A34C204, D2A34C-49, D2A34C50
 (40+) 3-Bladed Propellers Including: D3A39C-404, D3A34C403B and 404B, 3AF32C87-NR, D3A32C90-R, PHC34F2VF, HC-C34R-2A and F, HC-83DCF-2A
 Beech Roby Props, Bonanza Electric Props
 (150+) Propeller Blades for McCauley, Hartzell and Hamilton Standard, Etc.
 (40+) Hub Assemblies Complete and Disassembled, Prop Delce Blocks, Pistons, Springs, Domes, Bearings, Brush Holders, Clamps, Spiders, Prop Spacers, Etc.



★ ★ ★ INSTRUMENTS ★ ★ ★

(450+) Instruments: 3 in 1 Gauges, Single and Dual Tachs, Directional Gyros, Artificial Horizons, Manifold Press, Airspeeds, Turn and Banks, Rate of Climbs, Clocks, EGT, CHT, Altimeters, Fuel Flow, Oil Press, Oil Temp, Compasses, Fuel Quantity, Etc.

Everything sells "AS IS, WHERE IS" with no warranties implied or expressed. Neither the auctioneer nor owners shall be liable for any incorrect description, fault or defect. Everything positively sells to the highest bidder. Payment must be made in full day of sale. No property removed until settled for. Auctioneer not responsible for accidents or stolen property. All counts are approximate.

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PAYMENT TERMS: Cash, certified funds, or company check ONLY if accompanied by bank letter of guarantee!! NO EXCEPTIONS! Wire transfers will be accepted with a 20% non-refundable deposit day of sale. We also accept MasterCard and Visa. There is an additional charge of 3% to all credit card transactions. Please be sure to bring your tax exemption number. We are required by law to collect sales tax where due.

AUCTIONEER'S NOTE: The owners of U.S. Air Salvage have decided to downsize the size of their operation. They have, therefore, contracted with Starman Bros. Auctions, Inc., to liquidate at public auction a large portion of their inventory. This auction offers a very large selection of inventory of all types. It will be one of the largest inventories we have sold in some time.