

WAR SURPLUS --- POST WORLD WAR I STYLE

A brief footnote to post World War I Naval Aviation, covering some 160-odd surplus aircraft of the vast stocks that were released, is contained in the following excerpt from an official catalog of the period.

This excerpt, in the exact style and language of the catalog, comprises the initial 11 pages of the illustrated pamphlet --- the remainder lists engines, propellers and miscellaneous material. Perhaps the data given will be of some value to AAHS members in filling current gaps in their records and possibly someone knows what became of these aircraft or can supply pictures of them in their post Navy roles.

Erwin J. Bulban

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 CATALOGUE
 of
 AERONAUTICAL EQUIPMENT
 For Sale By Open Sales at Fixed Prices
 at the
 Bureau of Supplies and Accounts
 NAVY DEPARTMENT
 Washington, D.C.

Subject to prior sale and approval --- Consult carefully terms of
 sale before ordering

Washington: Government Printing Office: March 1, 1921

TERMS OF SALE

1. The seaplanes, spare parts and accessories noted are offered for sale by the Navy under the following conditions:

2. Sales will be made at fixed prices, stated in the conditions of the lots, subject to prior sale and approval. Endeavor will be made to make awards (but this is not guaranteed) in the order of receipt of orders. The fixed prices are subject to change without notice. The Navy reserves the right to reject any or all offers in whole or in part.

3. Payment will be made as follows: Prospective purchasers will deposit with the Bureau of Supplies and Accounts, Navy Department, Washington, D.C., 5 per cent of the amount of their offer, with their offer. This deposit shall be by certified check, drawn to the order of the Paymaster General of the Navy, or the bond of a surety company acceptable as sureties on Federal bonds in accordance with list of the Treasury Department, 20 August 1918. Upon notification of acceptance of their offer, purchasers will pay the remaining amount due and take delivery within 30 days of the date of acceptance. This final payment will be made, in advance of delivery, to the station where the equipment is stored. Full directions for this final payment will be given in notice of acceptance. The 5 per cent deposit will be forfeited to the government upon failure to make final payment within 30 days of the notice of award.

4. The flying boats, seaplanes, engines, spare parts, and accessories will be checked by a representative of the Navy at the point of shipment. The purchaser is requested to have a representative present to witness the checking and to inspect the seaplanes, etc., before shipping, as no claims for shortage, quantity, condition, or inaccuracy in description will be approved after delivery. Engines advertised as "used" are in many cases incomplete, being short carburettors, manifolds, etc. "Used" engines are sold "as is" and the missing parts will not be furnished by the Navy.

5. Sales will be on basis of f.o.b. car, lighter, or truck at location stated. Material will be loaded at Government expense, except where otherwise stated, on truck, lighters, or in end door box cars; all further charges to be at buyer's expense. Purchasers will be required to pay cash for all deliveries before same are made.

6. The material herein offered is of standard manufacture, having been accepted by the Navy after stringent inspection. Sale is only made because of there being an overstock caused by reduction in the naval forces resulting from cessation of hostilities. Many of the seaplanes are in the original packing cases, and are available for export shipment.

Take advantage of the extremely unusual opportunities presented in this advertisement. Give careful consideration to each item listed. Every item listed is available for immediate delivery.

Purchasers will be required to remove all Navy insignia from seaplanes before they are used.

7. All the information and description of seaplanes and engines available in the Bureau of Supplies and Accounts is included in the catalogue and any additional information desired must be obtained by inspection of the equipment at the point of storage. This material is stored at the stations listed. Inspection is invited by prospective buyers and may be arranged for with the supply officers of the stations:

Navy Supply Depot.	South Brooklyn, N.Y.
Naval Aircraft Factory	Navy Yard, Philadelphia, Pa.
Naval Operating Base	Hampton Roads, Va.
Naval Air Station	Cape May, N.J.
Naval Air Station	Chatham, Mass.
Naval Air Station	Pensacola, Fla.
Naval Air Station	Rockaway, N.Y.
Naval Air Station	San Diego, Calif.

Lot No. 1 -- Aeromarine 39-B Seaplane

This type is a modification of the Aeromarine 39-A, being equipped with a Curtiss 100-horsepower engine instead of a Hall-Scott engine and one float replacing the two floats. The draft is therefore increased to 17.5 inches. Other than the above, Aeromarine 39-A and 39-B are the same. These planes are manufactured by the Aeromarine Plane & Motor Co., Keyport, N.J.

Lot No. 1. Thirty-four Aeromarine type 39-B seaplanes.

Lot No. 1a. Eleven sets spare parts for Aeromarine type 39-B seaplanes.

Lot No. 1b. Fifteen pontoons for 39-B.

The 34 Aeromarine type 39-B seaplanes listed as Lot No. 1 are tractor biplane, 1 engine, upper wing span 47 feet, length 30 feet 4 inches, 2 place, single float.

These seaplanes are complete with the following material:

- One upper right panel covered.
- One upper left panel covered.
- One lower right panel covered.
- One lower left panel covered.
- One horizontal stabilizer, covered.
- One vertical stabilizer, covered.
- One elevator right, covered.
- One elevator left, covered.
- One aileron, right, covered.
- One aileron, left, covered.
- One pair nonskids.
- One set interplane struts.
- One pair wing tip pontoons.
- One Curtiss OXX-6 motor.
- One radiator.
- One propeller.

Location.-- Naval Aircraft Factory, Philadelphia, Pa.

Condition.-- New. These planes have never been unpacked from original packing cases. Were received during fall and winter of 1918. Are available for export.

Spares.-- Lot 1a is the regular Navy C & R spares for this plane and consists of the following:

Item 1.--Two main floats complete with deck fittings.

Item 2.--One set panels complete with fittings for one seaplane, 12 pieces, including:

- Two upper wing panels (right and left).
- Two lower wing panels (right and left).
- Two aileron panels (right and left).
- Two stabilizer panels (right and left).
- Two elevator panels (right and left).
- One rudder panel.
- One fin panel.

Item 3.--One set complete of struts for one seaplane (31 pieces for wings and floats with fittings).

Item 4.--One set complete brace wires for one seaplane ready for attachment to wings and floats.

Item 5.--One set complete control wires ready for attachment. Sufficient brace wire, in coil, of each size used to replace all such wire in two seaplanes.

Item 6.--One assortment of special and standard bolts, nuts, cotter pins, turn-buckles, shackles, machine screws, pins U bolts, eyebolts, etc., to the extent of the number used in one seaplane.

Instruments.--Inclinometer, tachometer, altimeter, clock, oil gauges, oil thermometer, water thermometer, and air-speed meter.

Auxiliaries.--Propeller, starter, fire extinguisher, interphone set, etc.

Engines.--Curtiss OXX-6, 100-horsepower, installed in place. The seaplanes will be sold as they stand, the bidder to satisfy himself as to the condition of the seaplane upon which he bids, the Government not to undertake to set up the seaplane ready for flight.

There is a large quantity of wing panels, stabilizers, rudders, elevators, struts, wires, and fittings and other parts for Aeromarine 39-B seaplanes, in storage at the Naval Aircraft Factory, Navy Yard, Philadelphia, and at the Naval Air Station, Pensacola, Fla. This material is available for sale and any reasonable offers for same will be accepted. This material is listed in order that purchasers of this type

seaplane may obtain needed parts for replacements.

Approximate cost Aero 39-B plane and engine, \$9,687.73. . .	Sale price, \$1,500
Approximate cost Aero 39-B set spares, \$8,180	Sale price, 500
Approximate cost Aero 39-B pontoons	Sale price, 200

Lot No. 2 --- 55 Model M F Flying Boats

The model M F flying boat is a pusher biplane, built by the Curtiss Engineering Corporation, Garden City, L.I., N.Y. This boat is equipped with a Curtiss 100-horse power engine and is an improved and modified Model F flying boat but is the same as controls, accommodations, etc., are concerned. For instance, the ailerons on the model M F flying boat are hinged to the upper wings instead of being pivoted halfway between the planes as in the model F type.

The wing spread is approximately 50 feet, and the total supporting surface, including ailerons, is 401 square feet. The weight light, including instruments and water, is 1,850 pounds, and the weight fully loaded is 2,450 pounds. The weight per square foot is 6.1 pounds and the weight per horsepower is 24.5 pounds. The draft fully loaded is 16½ inches. It is anticipated that the performance of the model M F flying boat will equal that of the model F flying boat, while its controllability will show a slight improvement over that of the model F flying boat.

Lot No. 2. Fifty-five Model M F flying boats.

Lot No. 2A. Eleven complete sets C.&R. panels, uncovered.

Location.--Naval Aircraft Factory, Navy Yard, Philadelphia, Pa.

Condition.--New and unused. The boats have never been removed from the original crates and are in excellent condition.

Approximate cost Model M F boats, \$10,000. Sale price, \$2,000

Approximate cost C. & R. panels, \$2,500. Sale price, 500

Lot No. 3 --- Model M F Flying Boat (Damaged)

There is at the Naval Aircraft Factory one Model M F flying boat, No. 4406, which has been damaged and is in need of repairs. This boat will be furnished complete with one new Curtiss OXX-6, 100-horsepower motor, and with the exception of slight damage is in excellent condition. This boat has never been set up and used, and is in the same condition as the new boats listed under Lot No. 2, with the exception of the slight damage referred to.

This boat has been appraised and will be sold for \$1,500.

Lot. No. 4 --- Six Standard Scout Airplanes

These planes are single seaters and have single control. All planes are equipped with the Le Rhone 80-horsepower rotary motors. The planes are new and unused.

Location.--Three planes, Navy Yard, Charleston, S.C.; three planes, Hampton Roads, Va.

The Le Rhone is a 9-cylinder, air-cooled rotary engine developing 80 horsepower, at 1,200 revolutions per minute and 84 horsepower at 1,290. Bore and stroke, 4 1/16 by 5½ inches.

Fuel tank located near center of gravity, has a capacity of 20 gallons. Fuel is consumed at the rate of 0.725 pounds per horsepower per hour.

Oil tank, located below fuel tank, has a capacity of 3 gallons. Oil is consumed at the rate of 0.03 pounds per horsepower per hour.

Summary of performances.

Height (feet)	Speed (Miles per hour)	Time of climb	Rate of climb (feet per minute)
Ground.	100-103	0 minutes 0 seconds.	705
5,000		8 minutes 0 seconds.	705
5,500	95		. .
8,500	90	16 minutes 30 seconds	. .
10,000	85	22 minutes 30 seconds	200

Ceiling. 14,500 feet
 Stalling speed 48 miles per hour
 Gliding angle 1.7
 Maximum range, at 5,000 feet 200 miles
 Maximum range, at 10,000 feet 160 miles

General Dimensions

Feet

Span, upper plane. 24
 Span, lower plane. 24
 Chord, both planes 3.5
 Gap between planes 4
 Length over all 18.85
 Height over all 9.08
 Total weight, pounds 1,188

Areas

Square Feet

Upper plane. 81
 Lower plane. 72.3
 Ailerons (2 upper and 2 lower) 23.2
 Total wing area with ailerons 153.3
 Stabilizer 12
 Elevator 12.7
 Fin 2.6
 Rudder 6.8

These are land planes purchased from the Bureau of Aircraft Production. These planes are practically the same as when they left the factory and are in excellent condition, subject to deterioration due to storage only.

Cost, \$7,867.73 Sale Price, \$1,000

Lot No. 5 --- Boeing Seaplane

The Boeing seaplane is a tractor biplane, equipped with a Hall-Scott 100-horsepower engine. It is a two-float type with two places and dual wheel controls. The

draft when fully loaded is 14 inches. The wing spread is about 44 feet and the supporting surface, including ailerons, is 495 square feet. The weight light, including instruments and water, is 1,940 pounds and the total weight is 2,450 pounds, which gives 5 pounds per square foot and 24.6 pounds per horsepower. The maximum and landing speeds are 73 and 46 miles per hour, respectively, the climb is 2,500 feet in 10 minutes, and the endurance is 2.2 hours. The Boeing seaplane is manufactured by the Boeing Airplane Co., Seattle, Wash.

Lot No. 5. Forty-five Boeing seaplanes with Hall-Scott 100-horsepower motors.

Lot No. 5a. Forty-five handling trucks for Boeing seaplanes.

Location.--Naval Air Station, San Diego, Calif.

Condition.--New. The boats have not been removed from original crates, and are in excellent condition.

Cost (approximately), \$10,300 Sale price, \$1,500

Handling trucks 100

Lot No. 6 --- 11 Overhauled Burgess N-9 Seaplanes

The N-9 seaplane is a tractor biplane equipped with Curtiss OXX-6 100-horsepower motor. It is a two-place machine with one float and dual wheel control. The draft when fully loaded is 17 inches. The upper wing spread is slightly more than 53 feet. The total wing area, including ailerons, is 496 square feet. The weight, light, including instruments and water, is 1,860 pounds, and when fully loaded, about 2,400 pounds. The weight per square foot is 4.8 pounds and per horsepower 24 pounds. The maximum and landing speeds are 65 and 42 miles per hour, respectively, and the climb is 1,700 feet in 10 minutes. The endurance of this type is 2.5 hours.

The following tabulation shows the number of plane, the engine installed and the flying time of both plane and engine:

Plane No.	Flying Time		Engine SE.	Manufacturing No.	Engine Flying Time	
	Hours	Minutes			Hours	Minutes
A-2361	470	10	6875	5977	50	10
A-2374	450	30	8127	5431	178	20
A-2378	397	20	8033	5528	205	29
A-2381	403	40	8048	5458	300	45
A-2384	480	25	8041	5454	114	20
A-2385	476	20	6868	5005	229	35
A-2386	162	55	6042	5592	103	55

All of the above planes and motors have been thoroughly overhauled and are considered to be in good condition without other work than that of erection.

Location.--Naval Air Station, San Diego, Calif.

Cost, approximately \$10,000 Sale price, \$1,500

Lot No. 7 --- 5 Model "F" Flying Boats

The model F flying boat is a pusher biplane, equipped with a Curtiss 100 horsepower engine, and is built at the Curtiss Engineering Corp., Garden City, L.I., N.Y. It accommodates two people, who sit side by side, and has a social wheel control.

The wing spread is 45 feet and the total supporting surface, excluding ailerons, is 387 square feet. The ailerons on this plane are not attached to the upper or lower wings, but are pivoted on the rear struts halfway between the planes. The weight, light, including instruments and water, is 1,860 pounds, whereas with oil and gasoline sufficient for 4 hours flight at full speed and crew, the total weight is 2,460 pounds. This represents 6.4 pounds per square foot and 24.6 pounds per horsepower. The draft fully loaded is 18 inches. The maximum and landing speeds are 69 and 46 miles per hour respectively. The climb is 2,300 feet in 10 minutes. This type is a popular boat at summer resorts for passenger carrying.

These planes are new and unused, but engines, radiators, and propellers have been removed.

There are new Curtiss OXX-6, 100-horsepower engines, available for sale at the Naval Aircraft Factory, Navy Yard, Philadelphia, Pa., at \$863, and used Curtiss OXX-6 engines at the Naval Air Station, Pensacola, Fla., listed under Lots 16 and 18.

Location: Naval Air Station, Pensacola, Fla.

These boats are new and unused and will be delivered, packed and crated, but transfer charge on car from Pensacola to the Naval Air Station must be paid by the purchaser.

These boats will be sold complete with Curtiss OXX-6 engine (the engine to be delivered at the Naval Aircraft Factory, Navy Yard, Philadelphia), radiator and propeller for \$1,800. However, if desired, the plane alone will be sold and purchaser may procure either new or used engine as desired.

Sale price, "F" boat without engine, radiator, or propeller, \$900.

Lot No. 8 --- Three Sopwith Airplanes with 130 H.P. Motor

Location.--Naval Air Station, Hampton Roads, Va.

Condition.--These airplanes have been used and at present are unsuitable for actual flying. Airplane numbers:

No. A-5655

No. A-5656

No. A-5743

Sale price, \$700 each.

Lot No. 9 --- One Nicuport Airplane With Gnome 150 H.P. Motor

Location.--Naval Air Station, Hampton Roads, Va.

Condition.--This airplane has been used and at present is unsuitable for actual flying.

Sale price, \$700 each.

Lot No. 10 --- One Aeromarine 39-A Seaplane No. A-455

Location.--Naval Air Station, Hampton Roads, Va.

This is a used seaplane, and is being sold "as is" without motor or propeller. The boat will be delivered in its present condition, any cost of crating or loading to be borne by the purchaser. Condition to be ascertained through inspection by prospective purchasers.

Sale price, \$400

Lot No. 11 --- Six Type "R" Kite Balloon (Caquot)

The type "R" kite balloon is a captive balloon used for spotting purposes. In the Navy, these balloons are towed by means of a 3/4-inch steel cable by vessels on convoy work and on submarine spotting work. The balloons are let up from or hauled down to the deck of the vessel by means of specially designed kite balloon winches either electrically, steam, or gasoline driven, according to the conditions under which they are operated. Kite balloons are also flown from shore stations for observation or instruction purposes. Dimensions-- 91 feet overall length; 27 feet maximum diameter; capacity 37,500 cubic feet hydrogen; useful lift, 1,332 pounds.

Location.-- Naval Aircraft Factory, Navy Yard, Philadelphia, Pa.

Condition.--New

Cost, \$7,500 Sale price, \$2,500

Note

While all of the F-5-L and H-16 type flying boats have been withdrawn from sale, it is not desired to entirely eliminate these types of boats from commercial use, and consideration will be given to offers for the purchase of these types of flying boats, and, if satisfactory, sale of the boats desired will be consummated.

Additional copies of this catalogue may be obtained upon application to the Central Sales Office, Bureau of Supplies and Accounts, Navy Department, Washington, D.C.

SOME CAA MEMO NUMBERS 1935-1936

2-505	6-4-35	Schiller (remodeler) Fairchild KR-34-B2, 3POLB, Continental A-70-2, 165 hp.
2-507	7-9-35	Douglas DC-2-115F, 16PCIM, 2 Bristol Pegasus Series VI, 690 hp ea.
2-508	7-11-35	Bellanca 66-70, 1 or 12PCSqS, Wright Cyclone SGR-1820F-32, 660 hp.
2-509	7-20-35	Bellanca Pacemaker 31-42, 2 or 8PCSM, Wright R975E-2, 420 hp.
2-510	7-23-35	Fairchild KR-31A, 1POLB, Kinner K-5, 100hp.
2-511	7-25-35	Stinson Reliant SR-5A Special, 4PCIM, Lycoming R-680-6, 245 hp.
2-506	6-29-35	Milwaukee parts P-1-T, 3POLB, Tank V502, 115 hp. (this model omitted in August 15, 1935 issue).
2-512	8-5-35	Waco WHD, 2POCLB, Wright R975E-2, 440 hp.
2-513	8-8-35	Kellett KD-1, 2POLAutogiro, Jacobs L-4, 225 hp.
2-514	8-28-35	Rose Parrakeet A-1, 1POLB, Continental A-40-3, 37 hp.
2-515	9-3-35	Corben Junior Ace Model 6, 2PCIM, Salmson AD-9, 40 hp.
2-516	9-23-35	Stearman 70, 2POLB, Lycoming R680, 215 hp.
2-517	10-30-35	North American NA-18 model 1, 2PCIM, P&W Wasp S1D1, 550 hp.
2-518	11-4-35	Ford 5-AT-CS, 16PCSM, 2 P&W Wasp B's at 420 hp (outboard) and 1 P&W Wasp C at 420 hp. (center).
2-519	1-9-36	Bellanca Airbus 66-67, 12POLB, Wright Cyclone SR-1820F-32, 675hp.
2-520	2-12-36	Stearman 6P, 2POLB, Wright J-5, 220 hp.
2-521	5-19-36	General Aristocrat 102, 3PCIM, Warner, 125 hp.
2-522	8-6-36	Ryan ST-A Special, 1POLM, Menasco C4S, 150 hp.