

Navy: War Program Reports: Sep. - Dec. 1943

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THE UNDER SECRETARY OF THE NAVY
WASHINGTON

26 September 1942

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Progress Report

MEMORANDUM TO THE PRESIDENT:

I do not know whether you have seen this form of report on existing material progress and expected completions. It is the first time that I have been able to get accurate Navy information compressed into the form I want it. It follows suggestions made by you many months ago. I hope to be able to get similar compressed figures on fiscal affairs of the Navy in due course.

You won't want to read all of this through, but I am going to see that Admiral Leahy gets a copy so that it may be available to you at any time.

Credit for this work is due to Mr. Donald R. Belcher of the American Telephone & Telegraph Company, who has been with us for about a year.

Forrestal

James Forrestal

The Honorable
The President of the United States

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Navy

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Navy War Program

QUARTER-MONTHLY
PROGRESS REPORT

Issue Number 2



Sept. 23, 1942

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Date- 3-11-59

Signature- *Carl T. Spicer*

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Planning & Statistics Branch
Office of Procurement and Material
Scheduling & Reporting Division

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Navy War Program
QUARTER-MONTHLY PROGRESS REPORT
Sept. 23, 1942

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Planning & Statistics Branch
Office of Procurement and Material
Scheduling & Reporting Division

S H I P S

SHIPS

Page 1

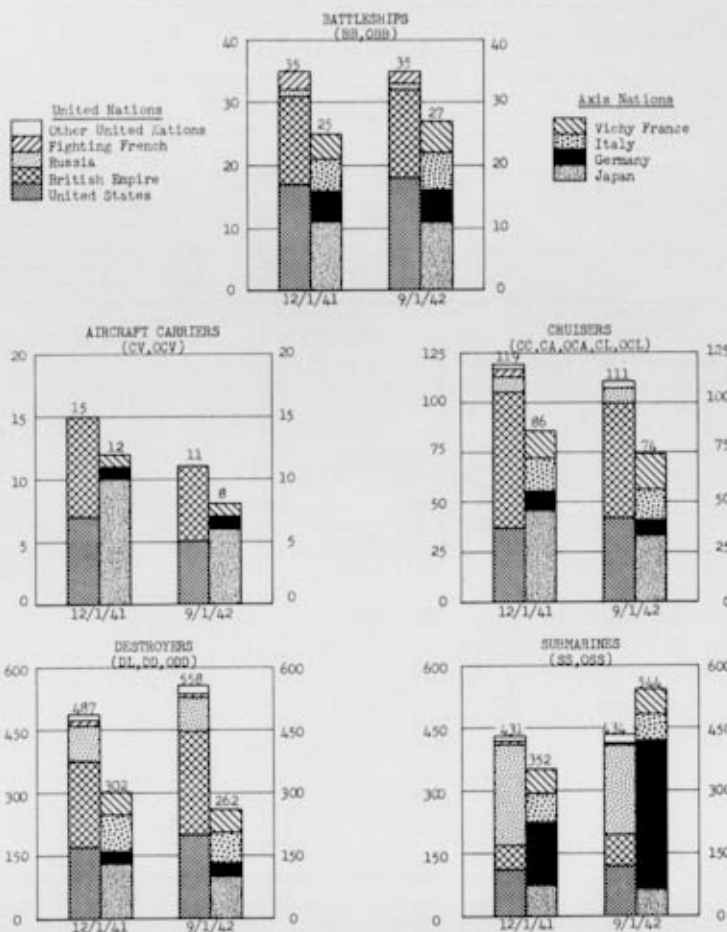
STATUS OF COMBATANT SHIPS OF THE UNITED AND AXIS NATIONS
Includes Vessels Damaged, Under Repair, or Immobilized
December 1, 1941 to September 1, 1942
(Ships Estimated On Hand by Office of Naval Intelligence)

Type	Symbol	United States	British Empire	Russia	Fighting Forces	Under United Nations	Germany	Italy	Japan	Italy France	TOTAL ALLIED NATIONS	
Destroyers												
December 1, 1941		17	14	1	3	0	37	5	51(2)	11	4	11
January 1, 1942		15	13	1	3	0	30	5	51(2)	10	4	10
February 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
March 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
April 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
May 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
June 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
July 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
August 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
September 1, 1942		15	12	1	3	0	31	5	51(2)	10	4	10
Destroyer Escorts												
December 1, 1941		7	8	0	0	0	15	1	0	10(4)	1	12
January 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
February 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
March 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
April 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
May 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
June 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
July 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
August 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
September 1, 1942		7	8	0	0	0	15	1	0	10(4)	1	12
Submarines												
December 1, 1941		37	40	8	4	2	119	9(a)	17	46	14	86
January 1, 1942		37	40	8	4	2	117	9(a)	16	46	14	83
February 1, 1942		36	40	8	4	2	117	9(a)	16	45	14	82
March 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
April 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
May 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
June 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
July 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
August 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
September 1, 1942		36	40	8	4	2	119	9(a)	16	45	14	82
Miners												
December 1, 1941		170	204(a)	87	12	14	687	20(a)	80	130	54	300
January 1, 1942		170	204(a)	87	12	14	687	20(a)	80	130	54	300
February 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
March 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
April 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
May 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
June 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
July 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
August 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
September 1, 1942		171	205(a)	87	12	14	687	20(a)	80	130	54	301
Transporters												
December 1, 1941		113	59	240	8	13	431	130	70	73	39	312
January 1, 1942		110	55	240	8	13	436	130	70	73	39	306
February 1, 1942		110	55	240	8	13	436	130	70	73	39	306
March 1, 1942		113	70	238	7	13	436	130	70	73	39	312
April 1, 1942		113	68	238	7	13	436	130	70	73	39	312
May 1, 1942		113	70	238	7	13	436	130	70	73	39	312
June 1, 1942		113	70	238	7	13	436	130	70	73	39	312
July 1, 1942		113	70	238	7	13	436	130	70	73	39	312
August 1, 1942		113	70	238	7	13	436	130	70	73	39	312
September 1, 1942		113	70	238	7	13	436	130	70	73	39	312
NET GAIN OR LOSS												
Dec. 1, 1941 to Sept. 1, 1942												
DESTROYERS		1	0	0	-1	0	0	0	1	0	0	2
DESTROYER ESCORTS		2	0	0	0	0	0	0	0	0	0	2
CHASERS		1	0	0	0	0	0	0	0	0	0	1
DESTRUCTORS		1	1	0	0	0	0	0	0	0	0	2
MINERS		1	1	0	0	0	0	0	0	0	0	2
TOTAL NET GAIN OR LOSS		6	1	0	0	0	0	0	1	0	0	7

NOTE: The On Hand figures shown above for the United States vary from those reported by the Bureau of Ships due to the fact Bureau of Ships only recognizes losses officially stricken from register.

- (a) Accurate data on present strength of Russian Navy are incomplete and consequently unreliable.
(b) Includes Greek, Norwegian, Dutch, Polish and Rumanian vessels under British operational control.
(c) Excludes Corvette Class - 150 reported in service; also excludes Hunt Class Destroyers - 36 believed completed.
(d) Includes the KOSTE and KASMA (converted mercantile hulls).
(e) Includes two pocket battleships.
(f) Does not include the CAIRO.
(g) Does not include approximately 22 Torpedo Boats of 600 tons.
(h) Excludes Corvette Class - 175 reported in service; also excludes Hunt Class Destroyers - 42 believed completed.
(i) Excludes Corvette Class - 175 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(j) Includes the CAIRO which was badly damaged at Taranto and now under repair.
(k) Excludes Corvette Class - 175 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(l) Excludes Corvette Class - 175 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(m) Excludes approximately 15 Torpedo Boats of 600 tons.
(n) Excludes Corvette Class - 175 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(o) Excludes Corvette Class - 185 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(p) Excludes Corvette Class - 200 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(q) Excludes Corvette Class - 200 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(r) Excludes Corvette Class - 200 reported in service; also includes Hunt Class Destroyers - 42 believed completed.
(s) Includes two pocket battleships. (DESTROYERS) believed not yet completed.
(t) Does not include 23 Torpedo Boats of 600 tons.

STATUS OF COMBATANT SHIPS OF THE UNITED AND AXIS NATIONS
Includes Vessels Damaged, Under Repair, or Immobilized
December 1, 1941 & September 1, 1942
(Ships Estimated On Hand by Office of Naval Intelligence)



Notes: The On Hand figures shown above for the United States vary from those reported by the Bureau of Ships due to the fact Bureau of Ships only recognizes losses officially stricken from register.

Explanatory notes applicable to data for periods shown above appear on page 1.

MAXIMUM WAR EFFORT - UNITED STATES NAVY
SUMMARY - July 1, 1940 to December 31, 1946 (Army and Coast Guard Excluded)

The phrase Maximum War Effort is a planning program for ship construction laid out with ultra conservatism within the upper limits of the productive capacity of the nation's ship yards and reflecting known facts and circumstances as of about January 1, 1942. It does not mean that all of the ships earmarked for construction but not authorized will be built and conversely it does not mean that our shipbuilding effort will not be further increased. It is obvious that the fortunes of war determine, to a major extent, our future shipbuilding program. For those ships which are postulated no consideration is given to the availability of materials or any other factors essential to ship construction.

For the purposes of this study the period covered is from July 1, 1940 to December 31, 1946.

With the enactment in July of H.R. 7184, the Congress authorized an additional naval building program of 1,900,000 tons of aircraft carriers, cruisers, destroyers and escort vessels and 800 patrol and mine craft. This bill increased the total tonnage of combatant ships to over 5,600,000 tons. This does not include tonnage of various landing, mine, patrol, auxiliary and district vessels or small boats.

This study includes "On Hand" figures as of June 30, 1940 and July 31, 1942, and takes into account only ship losses which were publicly announced by the Navy on or before the latter date. "On Hand" figures also take into account transfers to Army, Lend-Lease and other government agencies and reclassifications. The construction is projected in order to arrive at an "On Hand" figure as of December 31, 1946, assuming that no losses were suffered subsequent to July 31, 1942.

The tabulations have been prepared from information obtained in the Navy War Program, Monthly Status Report, issued by the Scheduling and Reporting Division of the Planning and Statistics Branch of the Office of Procurement and Material and from the Official U. S. Munitions Production Report data on ships prepared by the Bureau of Ships.

Type	On Hand 6/30/40	Total Program 7/1/40 - 12/31/46	Comple- tions 7/1/40 - 7/31/42	Admitted Losses and Transfers 7/1/40 - 7/31/42	On Hand 7/31/42	To be Completed						Total Fleet 12/31/46 Assuming No New Losses
						Total	8/1/42 - 12/31/42	1943	1944	1945	1946	
Battleships	15	17#	5	0	20	7	1	2	2	2	0	27
Aircraft Carriers	6	39	1	1	6	38	2	12	10	7	7	64
Cruisers	37	86#	6	1	42	76	5	11	24	26	10	118
Destroyers	225	416	60	89	196	356	53	120	89	54	40	552
Submarines	100	340	36	13	123	304	17	54	91	71	71	427
Destroyer Escort Vessels	0	830	0	0	0	830	1	209	420	100	100	830
Aircraft Escort Vessels	0	162	3	0	3	159	14	73	24	24	24	162
Auxiliary Cruisers	0	10#	0	0	0	0	0	0	0	0	0	0
Patrol Craft	98	2,260	599	50	647	1,661	484	690	187	150	150	2,308
Mine Craft	35	994	269	61	243	725	152	334	59	90	90	968
Landing Craft	14	13,690	4,175	1,160	3,029	9,515	8,097	1,038	0	0	380	12,544
Auxiliaries	135	735#	222	46	311	502	199	269	30	4	0	813
District Craft - Self Propelled	101	545	207	43	265	338	104	219	15	0	0	603
District Craft - Non-Self Propelled	358	667	214	95	477	453	244	209	0	0	0	930
Lend-Lease - Acquisitions	0	80	10	0	10	70	43	27	0	0	0	80
Special Small Boats	1,282	2,380	1,096	10	2,368	1,284	942	342	0	0	0	3,652
TOTAL UNITED STATES FLEET	2,406	23,251#	6,903	1,569	7,740	16,318	10,358	3,609	951	528	872	24,058
LEND-LEASE - PRODUCTION	0	956	233	230	3	723*	577*	133*	13*	0*	0*	3
GRAND TOTAL	2,406	24,207#	7,136	1,799	7,743	17,041	10,935	3,742	964	528	872	24,061

5 BB's, 4 CB's, 10 XCL's, 11 APR's not added in totals except in "Total Program 7/1/40-12/31/46". All vessels deferred.

* Not added in "Total Fleet 12/31/46 Assuming No New Losses"; vessels will probably be transferred to Great Britain upon completion.

SHIPS

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MAXIMUM WAR EFFORT - UNITED STATES NAVY

COMBATANTS

Vessels On Hand, Authorized and Planned - July 1, 1940 to December 31, 1946

Type	On Hand 6/30/40	Total Program 7/1/40 - 12/31/46	Comple- tions 7/1/40 - 7/31/42	Admitted Losses and Transfers 7/1/40 - 7/31/42	On Hand 7/31/42	To be Completed					Total Fleet 12/31/46 Assuming No New Losses	
						Total	8/1/42 - 12/31/42	1943	1944	1945		1946
BB <u>BATTLESHIPS</u>	15	17(a)	2	0	20	7	1	2	2	2	0	27*
12" Gun	1	0	0	0	1	0	0	0	0	0	0	1
14" Gun	11	0	0	0	11	0	0	0	0	0	0	11
16" Gun	3	0	0	0	3	0	0	0	0	0	0	3
35,000 Tons	0	6	5	0	5	1	1	(b)	(b)	0	0	6
45,000 Tons	0	6	0	0	0	6	0	2	2	2	0	6
58,000 Tons	0	5(a)	0	0	0	0	0	0	0	0	0	0
CV <u>AIRCRAFT CARRIERS</u>	6	22	1	1	6	28	2	12	10	7	7	64
10,000 Tons	0	9	0	0	0	9	1	6	2	0	0	9
15,000 Tons	2	0	0	0	2	0	0	0	0	0	0	2
20,000 Tons	2	1	1	0	3	0	0	0	0	0	0	3
27,000 Tons	0	23	0	0	0	23	1	6	8	4	4	23
33,000 Tons	2	2	0	1	1	2	0	0	0	0	2(e)	3
45,000 Tons	0	4	0	0	0	4	0	0	0	3	1	4
<u>CRUISERS</u>	37	86	6	1	42	76	5	1	24	26	10	118*
CL 5" Gun-Light, 6,000 Tons	0	11	4	0	4	7	0	2	5	0	0	11
CL 6" Gun-Light, 7,050 Tons	10	0	0	0	10	0	0	0	0	0	0	10
CL 6" Gun-Light, 10,000 Tons	9	43(2)	2	0	11	41(2)	4	6	11	12	8(2)	52
CA 8" Gun-Heavy, 10,000 Tons & less	18	1(g)	0	1	17	1	0	0	1	0	0	18
CA 8" Gun-Heavy, 13,000 Tons	0	25	0	0	0	25	1	3	5	14	2	25
CS 12" Gun-Large	0	6(d)	0	0	0	2	0	0	2	0	0	2
DD <u>DESTROYERS</u>	225	416	50	87	196	356	53	120	87	54	40	552
1200 Tons	151	0	0	87	64	0	0	0	0	0	0	64
15 - 1630 Tons	61	95	54	2	113	41	29	12	0	0	0	154
1850 Tons	13	0	0	0	13	0	0	0	0	0	0	13
2100 Tons	0	177	6	0	6	171	24	108	39	0	0	177
2200 Tons	0	144(40)	0	0	0	144(40)	0	0	50	54	(40)	144
SS <u>SUBMARINES</u>	100	340	36	13	123	304	17	54	21	71	71	427
1,000 Tons & Less	65	2	2	10	57	0	0	0	0	0	0	57
1,000 Tons & Over	35	338(101)(h)	34	3	66	304	17	54	21	71	71	370
<u>ESCORT VESSELS</u>	0	992	2	0	2	989	15	282	444	124	124	992
DE Destroyer Escort	0	830(160)	0	0	0	830	1	209	420	100	100	830
AVG Aircraft Escort	0	146(f)(72)	0	0	0	146	1	73	24	24	24	146
AVG Aircraft Escort Conversions	0	16	3	0	3	13	13	0	0	0	0	16
XCL <u>AUX. CRUISERS</u>	0	(10)(e)	0	0	0	0	0	0	0	0	0	0
TOTAL COMBATANTS	383	1900	111	104	390	1770	93	481	660	284	252	2160*

* Does not include deferred vessels; see Note (a) and (d).

(f) Figures in () represent ships additionally required under Maximum War Effort and are included in preceding figure, if any. Such vessels are planned and not authorized.

(a) BB67-71 indefinitely deferred.

(b) One 32,000 Ton BB will become available for replacement in 1943 and two in 1944 due to vessels becoming over-age. It is assumed that this available tonnage will not be used and that capital ships will be deferred.

(c) Replacement authority exists for CV2, stricken 6/24/41. CV3 will become overage and its tonnage automatically available for replacement (keel) in 1944.

(d) CR3-6 indefinitely deferred.

(e) Will probably not be acquired.

(f) SO building by Maritime Commission, Navy has no authority now to acquire but will ask it; 72 additional required.

(g) CASO replacement authorized due to vessel being underage and lost.

(h) SS170, 171 included as vessels will become overage and their tonnage automatically available for replacement (keel) in 1945.

MAXIMUM WAR EFFORT - UNITED STATES NAVY
PATROL CRAFT, MINE CRAFT, AND LANDING CRAFT
Vessels On Hand, Authorized and Planned - July 1, 1940 to December 31, 1946

Type	On Hand 6/30/40	Total Program 7/1/40 - 12/31/46	Comple- tions 7/1/42 - 7/31/42	Admitted Losses and Transfers 7/1/40 - 7/31/42	On Hand 7/31/42	To be Completed					Total Fleet 12/31/46 Assuming No New Losses	
						Total	8/1/42 - 12/31/42	1943	1944	1945		1946
PATROL CRAFT	98	2260	599	50	647	1,661	484	690	187	150	150	2,308
PC Submarine Chasers												
110'	13	402(a)	67	1	79	335	175	160	0	0	0	414
136'	0	90(a)	0	0	0	90	0	90	0	0	0	90
173'	0	792(a)	64	0	64	728	74	200	154	150	150	792
180'	0	94	0	0	0	94	0	61	33	0	0	94
Conversions	0	8	8	1	7	0	0	0	0	0	0	7
PG Gunboats	5	0	0	1	4	0	0	0	0	0	0	4
PG Conversions	0	12	12	1	11	0	0	0	0	0	0	11
PR River Gunboats	6	0	0	6	0	0	0	0	0	0	0	0
PE Eagle Boats	8	0	0	0	8	0	0	0	0	0	0	8
PT Tachis Conversions	1	19	17	1	17	2	2	0	0	0	0	19
PT Coastal Yachts												
Conversions	0	36	30	1	29	6	6	0	0	0	0	35
TP District Patrol												
Vessels	0	11	5	0	5	6	1	5	0	0	0	11
TP Conversions	62	444	324	13	373	120	120	0	0	0	0	493
PT Motor Torpedo Boats	3	352(a)	72	25(b)	50	280	106	174	0	0	0	330
MINE CRAFT	35	994	269	61	243	725	152	334	59	90	90	968
<u>Mine Layers</u>												
CM 454' Fleet Type	0	3	0	0	0	3	1	2	0	0	0	3
CM Conversions	2	5	3	1	4	2	2	0	0	0	0	6
CM Coastal Conversions	0	3	3	2	1	0	0	0	0	0	0	1
DM Light	8	0	0	0	8	0	0	0	0	0	0	8
<u>Minesweepers</u>												
AM 220' Fleet Type	25	43	3	23	5	40	26	14	0	0	0	45
AM 180' Large	0	208(80)	0	0	0	208	0	94	34	(40)	(40)	208
AM 173' Large	0	38	1	0	1	17	17	0	0	0	0	18
AM Conversions	0	19	19	1	18	0	0	0	0	0	0	18
ASB Base (Conv.)	0	22	22	21	1	0	0	0	0	0	0	1
ASB 97' Coastal	0	70	67	1	66	3	3	0	0	0	0	69
ASB Conversions	0	51(2)	49	12	37	2	0	(2)	0	0	0	39
TMS Motor	0	534(125)	84	0	84	450	103	222	(25)	(50)	(50)	534
TMS High Speed	0	18	18	0	18	0	0	0	0	0	0	18
LANDING CRAFT	14	13,690	4,175	1,160	3,029	9,515	8,097	1038	0	0	380	12,544
<u>Landing Force Vessels</u>												
LSD Landing Ship, Dock	0	8	0	0	0	8	0	8	0	0	0	8
LST Landing Ship, Tank	0	490	0	0	0	490	88	402	0	0	0	490
LCL(L) L.Craft, Inf. (Large)	0	350	0	0	0	350	149	201	0	0	0	350
<u>Landing Craft</u>												
LCT(5) Tank MK V	0	370	2	0	2	368	331	37	0	0	0	370
LCP(L) Pers. (Large)(A)	0	782	773	126	647	9	9	0	0	0	0	656
LCP(R) Pers. (Ramp) (A)	0	1,587	563	427	136	1,024	1,024	0	0	0	0	1,160
LCV Vehicle (A)	0	2,747	729	450	279	2,018	1,618	20	0	0	380*	2,297
LCM(3) Mech. MK III(A)(S)	0	1,722	232	93	139	1,490	1,460	30	0	0	0	1,629
LCU(2) Support (Small)	0	100	90	0	90	50	50	0	0	0	0	100
LCH(L) Rubber (Large)	14	1,394	1,256	14	1,256	138	138	0	0	0	0	1,394
LCH(S) Rubber (Small)(A)	0	2,901	154	0	154	2,747	2,533	214	0	0	0	2,901
LVT Vehicle (Unarm. XA)	0	1,218	414	90	364	804	678	126	0	0	0	1,168
LVT(A) Vehicle (Armored)	0	3	2	0	2	1	1	0	0	0	0	3
Amphibian Trunk	0	6	0	0	0	6	6	0	0	0	0	6
Plastic Surf Boats	0	12	0	0	0	12	12	0	0	0	0	12

() Figures in () represent ships additionally required under Maximum War Effort and are included in preceding figure, if any. Such vessels are planned and not authorized.

(A) On hand figures and Total Program figures are preliminary and subject to further verification. Changes in other columns may, therefore, be necessary.

(B) Includes 150 LCM(2).

(a) H.R. 7184 authorized 800 additional patrol and mine craft. Of this number awards have been made for 110 PC 110'; 90 PC 136'; 109 PT's. 429 PC 173' are planned but not awarded. No decision has been made on the type vessels to be built from the balance of 62 in the 800 vessel authorization.

(b) Includes PT 9-19 transferred to Britain.

* Authorized in the 1,799 Vessel Program. No plans or estimates are available; completion dependent on availability of engines.

** BAK 1, tabulated under Lend-Lease.

MONTHLY ACTUAL OR ESTIMATED COMPLETIONS
Vessels - Bureau of Ships
Calendar Year 1967

SHIP	ACTUAL COMPLETIONS									ESTIMATED COMPLETIONS				GRAND TOTAL CALENDAR YEAR 1967
	January	February	March	April	May	June	July	August	Total 1/1/67 to 8/1/67	September	October	November	December	
Battleship	0	0	1	1	1	0	0	0	3	0	1	0	0	4
Aircraft Carrier (10,000 Ton)	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Auxiliary Aircraft Carrier ACV, ACV	0	0	0(2)	0	1(1)	0	0(2)	1(1)	4(4)	5(5)	5(5)	5(5)	6(6)	27(27)
Light Cruiser (10,000 Ton)	0	0	0	0	0	1	1	0	2	1	0	1	2	6
Light Cruiser (5,000 Ton)	0	1	2	0	0	0	0	0	3	0	0	0	0	3
Destroyer Large	0	0	0	0	0	3	3	4	10	1	3	6	9	29
Destroyer Small	0	0	4	7	5	3	6	5	30	3	6	7	6	56
Destroyer Escort Fast	0	0	0	0	0	0	0	0	0	0	0	2	2	4
Submarine	0	1	3	2	3	2	3	4	20	3	3	4	6	37
Destroyers - Total	4	1	9(2)	11	9(1)	12	16(2)	12(1)	77(6)	13(3)	16(3)	25(3)	34(6)	167(27)
Submarine (175')	0	0	4	11	13	12	12	16	73	18	11	11	19	138
Submarine (110')	0	0	0(1)	16	16	9	18	18	66(1)	27	37	30	40	200(1)
Motor Torpedo Boat	0	10	3	0	0	4	13	17	54	19	37	30	25	165
All Other*	27(27)	105(11)	344(13)	264(30)	306(130)	373(47)	380(63)	1,185(44)	3,989(174)	1,475(87)	1,586(64)	1,343(28)	888(24)	9,642(770)
GRAND TOTAL	31(27)	125(11)	385(13)	322(30)	344(131)	410(47)	460(63)	1,227(48)	4,077(181)	1,514(72)	1,609(71)	1,441(33)	952(11)	10,143(796)

Note: Entry in parentheses refers to conversions included in accompanying figure.

* Coast Guard vessels and rubber boats not included.

SHIP COMPLETIONS - SEPTEMBER 1 THROUGH SEPTEMBER 15, 1942

Type	Built			Converted	
	Number	Code and Name	Date of Completion	Number	Code
Combatants	1	CL57 MONTPELIER	Sep 9	2	ACV 28
	3	DD601 CHAMPLIN	Sep 12	-	ACV 29
		DD612 KENDRICK	Sep 12		
		DD618 DAVISON	Sep 10		
Patrol Craft	9	110' PC632, 633, 645, 666, 675, 694, 712, 747, 760	-	3	YP
	5	173' PC554, 576, 587, 609, 618	-	-	-
	8	PT77, 78, 79, 128, 129, 130, 131, 132	-	-	-
Mine Vessels	3	AMS4, 85, 96	-	-	-
	4	YMS22, 70, 109, 134	-	-	-
	1	BYMS22	-	-	-
Auxiliaries	1	BATLO	-	1	AP55

Notes: In addition to the above, 62 LCT(5)'s and 5 LCT(5)'s for Lend-Lease have been built in September. Vessels built in August and not previously reported are 110' PC643 and YMS123.

Table does not include any completions on or before September 15, 1942, not reported in Bureau of Ships daily reports through September 17, 1942.

SHIPBUILDING PROGRAM - STATUS

Type	Completions Including Conversions			Gain Through Sep 15, 1942 Over Nov 1, 1941 Delivery Schedule *	On Hand	
	Actual		Estimated		11/1/41	9/15/42
	9/1/42 Through 9/15/42	11/1/41 Through 9/15/42	9/16/42 Through 12/31/42			
COMBATANTS	6	86	80	11	344	403
Battleship BB	0	3	1	2	17	20
Aircraft Carrier CV	0	0	1	0	7	5
Aux. Aircraft Carrier ACV	2	5	18	0	1	6
Heavy Cruiser CA	0	0	0	0	18	17
Light Cruiser CL	1	7	3	1	19	26
Destroyer DD	3	48	40	5	171	206
Escort Vessel DE	0	0	1	0	0	0
Submarine SS	0	23	16	3	111	123
PATROL CRAFT	25	632	312	-69	180	774
Submarine Chaser PC	14	176	157	-60	22	194
Motor Torpedo Boat PT	8	52	80	-9	29	75
Patrol Yacht FY, PYc	0	30	6	0	21	48
District Patrol Craft YP	3	359	62	0	83	424
Other PE, PG, PR	0	15	7	0	25	33
MINE VESSELS	7	201	108	-42	131	278
Mine Layer CM, CMc	0	3	3	-1	2	5
Large Sweeper AM	3	13	39	-16	39	31
Small Sweeper AMb, AMc	0	74	3	-2	64	105
Motor Sweeper YMS	4	111	63	-23	0	111
Other DM, DMS	0	0	0	0	26	26
AUXILIARIES	63	223	827	-47	226	424
Destroyer Tender AD	0	0	3	0	8	8
Submarine Tender AS	0	1	1	0	8	8
Sub-Rescue Vessel ASR	0	0	1	0	6	5
Seaplane Tender AV	0	0	1	0	6	5
Seaplane Tender AVD, AVP	0	4	6	-5	25	28
Repair Ship AR, ARH	0	1	1	0	6	6
Salvage Vessel ARS	0	5	2	0	6	8
Cargo AK, AKF, AKS	0	13	13	0	24	32
Oiler AO	0	12	12	0	29	34
Gasoline Tanker AOG	0	2	4	-2	0	2
Transport AP, APc, APD	1	20	95	-21	29	48
Landing Craft, Inf. LCI(L)	0	0	216	0	0	0
Landing Craft, Tank LCT(S)	62	102	340	-13	0	102
Landing Ship, Tank LST	0	0	89	0	0	0
Net Layer AN	0	1	0	0	0	0
Tug AT, ATR	0	16	18	-6	25	39
Other AB, AE, AF, AG, AGS, AH, APH, APV, AVC, IX	0	46	25	0	54	99

Notes: Table excludes Lend-Lease.

Table does not reflect any actual completions on or before September 15, 1942 not reported in Bureau of Ships daily reports through September 17, 1942.

* New construction only. November 1, 1941 delivery schedule is based upon scheduled completion dates given by building yards as of that date; for vessels ordered since November 1, 1941, the dates represent the first estimates of the building yards.

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SHIPBUILDING PROGRAM - PROGRESS TO DATE

Type	Completed* Jul 1, 1940 through Sep 15, 1942	Status As Of September 15, 1942						Additional Fully Authorized
		New Construction On Order				Con- verting		
		Not Yet On Ways	On Ways	Launched	Total			
<u>COMBATANTS</u>	<u>122</u>	<u>1,130</u>	<u>147</u>	<u>95</u>	<u>1,372</u>	<u>21</u>	<u>** 6</u>	
Battleship BB	5	6	4	2	12	0	0	
Aircraft Carrier CV	1	21	13	2	36	0	2	
Aux. Aircraft Car. ACV, BACV	0	17	5	2	24	21	** 0	
Large Cruiser CB	0	4	2	0	6	0	0	
Heavy Cruiser CA	0	21	2	2	25	0	2	
Light Cruiser CL	7	34	7	4	45	0	0	
Destroyer DD	72	189	57	58	304	0	0	
Escort Vessel DE, DDE	0	684	26	10	720	0	0	
Submarine SS	37	154	31	15	200	0	2	
<u>PATROL CRAFT</u>	<u>304</u>	<u>587</u>	<u>286</u>	<u>138</u>	<u>1,011</u>	<u>68</u>	<u>570(14)</u>	
Submarine Chaser PC	179	399	178	111	688	0	496	
Submarine Chaser, 63' RPC	0	0	0	0	0	0	50	
Motor Torpedo Boat PT, BPT	107	187	89	27	303	0	0	
Patrol Yacht PY, PTC	0	0	0	0	0	6	0	
District Patrol Craft YP	6	1	4	0	5	62	14(14)	
Other PG, PTC	12	0	15	0	15	0	10	
<u>MINE VESSELS</u>	<u>208</u>	<u>266</u>	<u>196</u>	<u>113</u>	<u>575</u>	<u>2</u>	<u>124(2)</u>	
Mine Layer CM	0	0	0	3	3	2	0	
Large Sweeper AM, BAM	11	120	50	40	210	0	31	
Small Sweeper AMc	0	0	0	2	2	0	8(2)	
Motor Sweeper YMS, BYMS	129	146	146	68	360	0	85	
<u>AUXILIARIES</u>	<u>135</u>	<u>1,045</u>	<u>349</u>	<u>127</u>	<u>1,521</u>	<u>61</u>	<u>217(162)</u>	
Destroyer Tender AD	1	0	3	0	3	3	4(4)	
Submarine Tender AS	2	3	3	0	6	0	5(5)	
Sub-rescue Vessel ASR	0	0	0	5	5	0	0	
Seaplane Tender AV	2	7	1	0	8	1	4(4)	
Seaplane Tender AVP	6	6	4	10	20	0	0	
Repair Ship AR, ARH	1	0	2	1	3	1	2(2)	
Salvage Vessel ARS, BARS	0	13	16	2	31	1	0	
Cargo AK, AKF, AFS, BAK	1	0	0	0	0	0	21(21)	
Oilier AO	0	0	0	0	0	20	59(59)	
Gasoline Tanker AOG	0	5	4	2	11	0	0	
Transport AP, APc	0	59	20	34	113	25	40(36)	
Landing Craft, Inf. LCI(L)	0	264	74	12	350	0	0	
Landing Craft, Tank LCT(5)	113	239	76	42	357	0	0	
Landing Ship, Dock LSD	0	14	1	0	15	0	0	
Landing Ship, Tank LST	0	371	118	1	490	0	0	
Net Layer AN	0	0	4	0	4	0	0	
Tug AT, ATR, BAT	8	62	23	18	103	0	47(7)	
Other AE, AF, AG, AGS, AH, APH, AFR, AVC, IX	1	2	0	0	2	12	35(24)	

Notes: Table includes Lend-Lease.

Table does not reflect any events on or before September 15, 1942 not reported in Bureau of Ships daily reports through September 17, 1942.

Entry in parenthesis refers to conversions included in main figure.

* Does not include vessels converted since July 1, 1940.

** In addition, 50 ACV's are expected to be acquired from U.S. Maritime Commission.

SHIPBUILDING PROGRAM - LANDING CRAFT SCHEDULE

Type	Total Program	Completed Through 9/12/42	Promised to U.K. by 9/1/42	Estimated Completions by 10/1/42	Estimated Completions by 12/1/42	Promised to U.K. by 2/15/43	Estimated Completions by 2/15/43	Estimated Completions by 12/1/43
<u>Landing Force Vessels</u>	<u>855</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>157</u>	<u>500</u>	<u>549</u>	<u>855</u>
Landing Ship, Dock LSD	15	0	0	0	0	0	0	15
Landing Ship, Tank LST	490	0	0	0	36*	200	199*	490*
Landing Craft, Inf. (large) LCI(L)	350	0	0	2*	121*	300	350*	350*
<u>Landing Craft</u>	<u>3,669</u>	<u>1,170</u>	<u>734</u>	<u>1,615</u>	<u>2,964</u>	<u>940</u>	<u>3,652</u>	<u>3,669</u>
Landing Craft, Tank, Mk. V LCT(5)	470	93	134	174	423	340	470	470
Landing Craft, Mechanized Mk. III LCM(3)	1,972	521	600	815	1,653	600	1,972	1,972
Landing Vehicle, Tracked (unarmored) LVT	1,218	554	0	621	879	0	1,201	1,218
Landing Vehicle, Tracked (armored) LVT(A)	3	2	0	3	3	0	3	3
Amphibian Truck	6	0	0	2	6	0	6	6
<u>Raiding Craft</u>	<u>9,593</u>	<u>4,496</u>	<u>1,703</u>	<u>5,525</u>	<u>9,012</u>	<u>1,703</u>	<u>9,593</u>	<u>9,593</u>
Landing Craft, Personnel (large) LCP(L)	882	869		869	882		882	882
Landing Craft, Personnel (with ramp) LCP(R)	1,587	854	503 **	989	1,522	503 **	1,587	1,587
Landing Craft, Vehicle LCV	2,367	1,253	1,200	1,527	2,231	1,200	2,367	2,367
Landing Craft, Support (small) LCS(S)	150	75	0	77	150	0	150	150
Plastic Surf Boat	12	0	0	6	12	0	12	12
Landing Craft, Rubber (large) LCR(L)	1,394	1,289	0	1,394	1,394	0	1,394	1,394
Landing Craft, Rubber (small) LCR(S)	3,201	156	0	663	2,828	0	3,201	3,201
GRAND TOTAL	14,117	5,666	2,437	7,142	12,140	3,143	13,794	14,117

Note: Table includes Lend-Lease.

* Completion schedule is based upon estimated deliveries of propulsion machinery.

** Figure represents total of LCP(L)'s and LCP(R)'s.

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PROCUREMENT STATUS OF SELECTED VESSEL COMPONENT ITEMS *

Item	Status of 1942 Required Deliveries **							Monthly Deliveries					
	Total Re-quired **	Deliveries			Deliveries, as Percent of Total Required			Actual				Estimated	
		Actual 1/1 to 7/31	Esti-mated 8/1 to 12/31	Total Year	Actual 1/1 to 7/31	Esti-mated for Year	020406080100	Jun	Jul	Aug	Sep		
<u>Engines, Diesel, Main Propulsion</u>													
General Motors - 6½ x 7 - 500 H.P. BPM1-80	136	74	54	128	54%	94%		68	6	24	10		
Electric Motive - 6 x 6½ - 1200 H.P. PC499-500, 511-512, 536-541, 630-635, 642-647, 652-653, 656-665, 670-675, 682-687, 710-721, 752-759, 772-775, 985-987, 996-999, 1003-1028, 1031- 1038, 1053-1056, 1059-1076	200	86	102	188	43	94		22	0	22	20		
General Motors - 6½ x 7 - 500 H.P. TMS1-103, 135-409	342	78	210	288	23	84		16	8	28	36		
General Motors - 4 1/4 x 5 - 1600 H.P. LCI(L) 1-350	2,800	8	2,232	2,240	0	80		0	8	152	520		
<u>Turbines, Main Propulsion</u>													
Allis-Chalmers - S.H.P. 60,000 DD472, 476-478, 508-517, 581-582, 629-631, 642-644, 650-653	26	2	22	24	8	92		0	2	4	8		
General Electric - S.H.P. 100,000 CL55-58, 60, 62-67, 80-83, 86-87, 89-94, 101-102	32	12	16	28	38	88		0	4	4	0		
General Electric - S.H.P. 100,000 CV22-30	28	16	8	24	57	86		4	4	0	4		
Westinghouse - S.H.P. 50,000 DD453-458, 483-490, 618-628, 639, 646, 648	38	16	16	32	42	84		2	2	2	6		
Westinghouse - S.H.P. 75,000 CL51-54, 95-98	4	0	2	2	0	50		0	0	0	0		
<u>Turbo-Generator Sets</u>													
General Electric - 250 KW 525 lbs/sq.in. 425 BHP DD445-451, 465-481, 498-502, 507- 522, 526-541, 544-547, 550-597, 629-631, 642-644	148	28	94	122	19	82		8	0	28	12		
General Electric - 750 KW 525 lbs/sq.in. 1059 BHP CA68-75 4 x 8	16	0	12	12	0	75		0	0	0	4		
Westinghouse - 1250 KW 540 lbs/sq.in. 1748 BHP BB61-66	32	8	16	24	25	75		0	0	8	0		
General Electric - 1250 KW 545 lbs/sq.in. 1793 BHP CV9-21	28	4	16	20	14	71		4	0	4	0		
<u>Turbines for Main Feed Pumps</u>													
Sturtevant - 290 BHP - 5220 RPM DD472-476, 554-586	128	4	72	76	3	59		0	0	20	16		
Sturtevant - 116 BHP - 6200 RPM AR6, 7 ARH1	8	0	4	4	0	50		0	0	0	0		

* Basis of selection: (1) Unfilled past requirements as of August 1, 1942, and (2) Estimated deliveries for year less than 100% of year's requirements.

** Includes past requirements unfilled as of August 1, 1942.

(Concluded on next page)

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PROCUREMENT STATUS OF SELECTED VESSEL COMPONENT ITEMS (CONCLUDED) *

Item	Status of 1942 Required Deliveries **										Monthly Deliveries							
	Total Re-quired **	Deliveries			Deliveries, as Percent of Total Required						Actual		Estimated					
		Actual 1/1 to 7/31	Esti-mated 8/1 to 12/31	Total Year	Actual 1/1 to 7/31	Esti-mated for Year						Jun	Jul	Aug	Sep			
							0	20	40	60	80					100		
<u>Turbines for Fire & Flushing Pumps</u>																		
Sturtevant - Fire 370 lbs/sq.in. 72.2 BHP - Flush 72.2 BHP 3400 RPM AB6-7, ARH1	4	0	0	0	0%	0%							0	0	0	0		
<u>Turbines for Main Fuel Oil Service Pumps</u>																		
DeLaval, 17 BHP 6125 RPM DD445-452, 465-479, 498-499, 518- 522, 526-541, 544-547, 550-553, 581-597, 649-665	224	108	92	200	48	89							12	12	28	24		
DeLaval, 24.9 BHP 5262 RPM CV22-30	28	12	8	20	43	71							4	0	0	0		
Westinghouse, 17 BHP 6125 RPM DD480, 500-502, 507-517, 554-581, 629-631, 642-644	148	0	60	60	0	41							0	0	24	8		
Westinghouse, 6 BHP 5150 RPM AN1-4	6	0	2	2	0	33							0	0	0	0		
<u>Pumps, Main Feed, Turbine Driven</u>																		
Worthington, 425 GPM 750 lbs/sq.in. DD472-476, 554-586	128	4	72	76	3	59							0	0	20	16		
Worthington, 215 RPM 525 lbs/sq.in. AB6-7, ARH1	8	0	4	4	0	50							0	0	0	0		
<u>Pumps, Main Fuel Oil Service, Turbine Driven</u>																		
DeLaval, 50 GPM 350 lbs/sq.in. DD445-452, 465-479, 498-499, 518- 522, 526-541, 544-547, 550-553, 581-597, 649-665	224	108	92	200	48	89							12	12	28	24		
Quincy Pump Co, 50 GPM 350 lbs/sq.in. DD480, 500-502, 507-517, 554-581, 629-631, 642-644	148	0	60	60	0	41							0	0	24	8		
Quincy Pump Co, 15 GPM 350 lbs/sq.in. AN1-4	6	0	2	2	0	33							0	0	0	0		
<u>Blowers, Forced Draft, Turbine Driven</u>																		
Westinghouse - Single Nozzle 25,500 CFM 6350 RPM DD472-481, 581-597, 629-631, 642- 644, 649-665	136	8	112	120	6	88							0	8	0	24		
Sturtevant - 21,500 CFM 4210 RPM CV22-30	84	12	48	60	14	71							0	12	24	0		
Westinghouse - Multi-Nozzle 24,600 CFM 6350 RPM DD445-451, 465-471, 498-502, 507- 522, 526-541, 544-547, 550-580	416	72	128	200	17	48							0	40	0	16		
<u>Pumps, Fire & Flushing, Turbine Driven</u>																		
Worthington, Fire - 150 lbs/sq.in. 500 GPM - Flush - 60 lbs/sq.in. AB6-7, ARH1 1,000 GPM	4	0	0	0	0	0							0	0	0	0		

* Basis of selection: (1) Unfilled past requirements as of August 1, 1942, and (2) Estimated deliveries for year less than 100% of year's requirements.

** Includes past requirements unfilled as of August 1, 1942.

BUREAU OF SHIPS

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942

The Bureau reports there have been no material changes in the critical items situation as previously reported. The substance of the ten most recently reported critical items was as follows:

GENERATORS

The most critical situation which became apparent the week ended September 5, 1942, is at the Delco Products Division of the General Motors Corporation. The company has 20 KW generators for the LCI(L) program, 100 KW generators for the LST program, and 20 KW generators for the LCT(S) program in addition to 20 KW and 60 KW generator orders for the 110' and 173' PC program. Shipments for the last two programs have ceased for the present.

MACHINE TOOLS

The trouble at the Delco Products Division, so far as material is concerned, has been cleared up. The machine tool situation has been improved but is not yet satisfactory. Continued assistance for procuring machine tools is absolutely essential for the completion of the landing craft program and resumption of shipments for the submarine chaser program.

ALUMINUM ROD

The aluminum rod procurement situation is extremely critical. This product is manufactured only in the Massena, New York plant of the Aluminum Company of America. The allocation to purposes other than Navy is such that the plant capacity will not permit filling anywhere near Navy ship requirements. The Bureau took steps to accumulate a list to meet demands which are absolutely necessary to prevent a slow-up of ship construction. These requirements were to be placed before the Aluminum Magnesium Branch of the War Production Board in order to obtain relief for a serious situation.

NICKEL COPPER ALLOY

Recently the nickel copper back order book was appreciably reduced due to the conservation measures adopted by the Bureau of Ships. A new Bureau of Ordnance contract for bomb racks, smoke screen tanks, and torpedoes has accounted for increased demands for this metal so that the back order book is now as large as it has ever been.

ELECTRIC MOTORS

Extremely critical due to the inability to obtain copper as required.

STEEL

Situation on carbon steel plates and shapes unchanged. High tensile steel still critical, as well as various alloy steels. Special treatment steel is in fairly good shape.

DECK MACHINERY

Reports were received from the Otis Elevator Company and The Westinghouse Elevator Company relating to non-scheduling of steel for the aircraft carriers CV9, CV25, CV26 and CV27. This was expected to cause a delay in the completion of the ships. The Bureau investigated to see what could be done to alleviate the situation.

A critical situation developed with regard to capstans and windlasses on the ARS 13-17, inclusive, and BARS 5-10, inclusive. The Cleveland Worm and Gear Company is unable to schedule any of the worm gears for this machinery, until the last part of October or the early part of November due to the heavy demands of the LST program. This will cause about a two months' delay in the first ship.

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942 (CONCLUDED)

RUBBER

The available supply of rubber is far short of requirements for all essential military purposes in the United States. While the Bureau's requirements are relatively small, the overall military demand in relation to supply will continue to be serious for some time.

ALLOY STEEL

This is the most critical single material affecting the production of Diesel and gasoline engines required for the landing craft program and other important shipbuilding programs. Predominance of directive and allocation orders in the alloy steel mills has effectively nullified the high priority attached to material for landing craft engines.

LUMBER

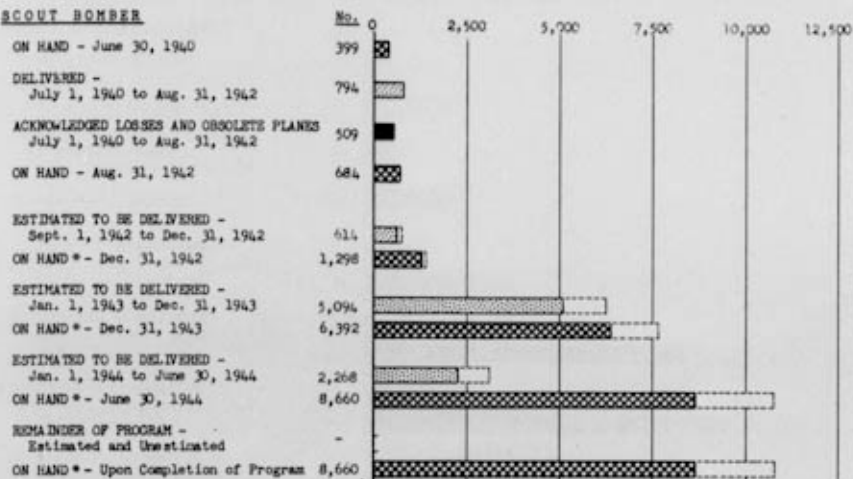
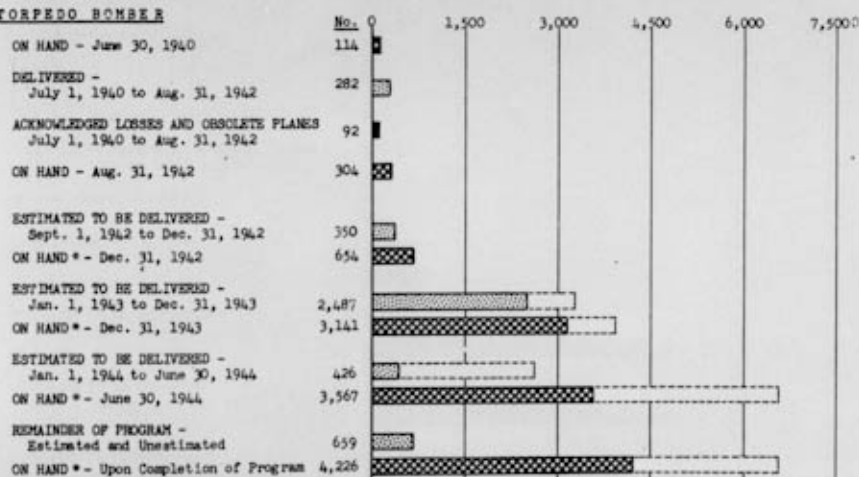
The lumber requirements of the Army, Navy and Maritime Commission greatly exceed the production capacity and this situation is growing worse. A considerable burden is being placed on production capacity for Douglas fir, southern yellow pine, and white oak, due to the present wooden shipbuilding program.

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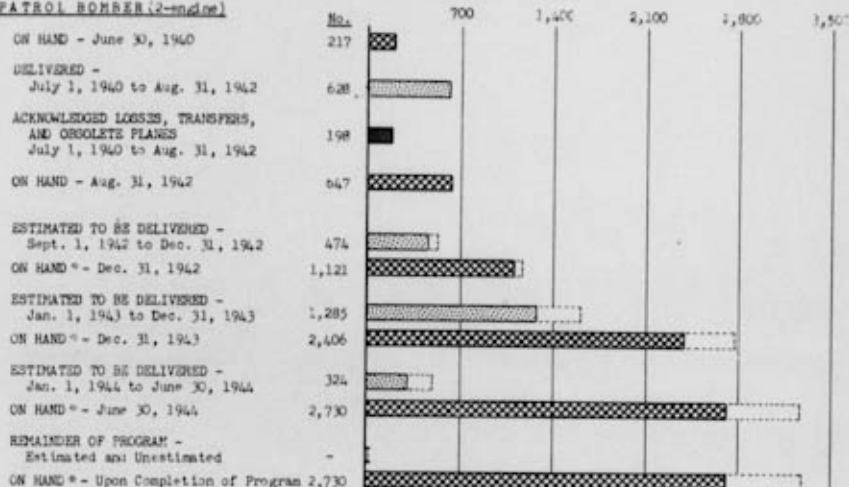
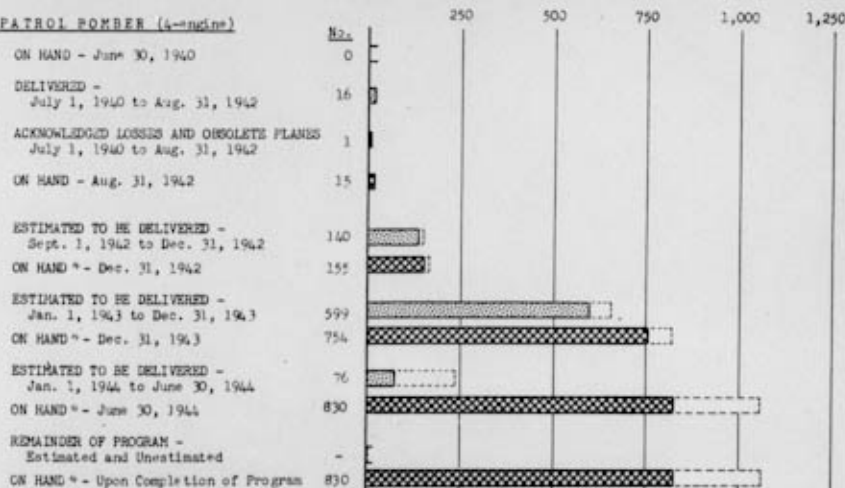
STATUS AND PROGRESS OF COMBATANT AIRPLANE PROGRAM - NAVY ONLY

SCOUT BOMBERTORPEDO BOMBER

Note: Extended area on bars represents increment over estimated deliveries of contracted planes to meet WVS S-K objective for period shown. Shaded area of such bars represents estimated deliveries of contracted planes, based upon reports of naval inspectors.

* Figure shown comprises contracted planes only and assumes no interim losses.

STATUS AND PROGRESS OF COMBATANT AIRPLANE PROGRAM - NAVY ONLY

PATROL BOMBER (2-engine)PATROL BOMBER (4-engine)

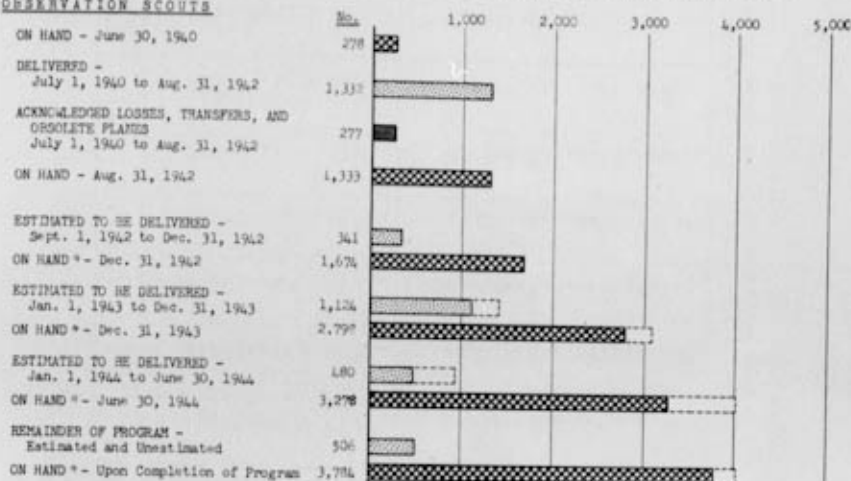
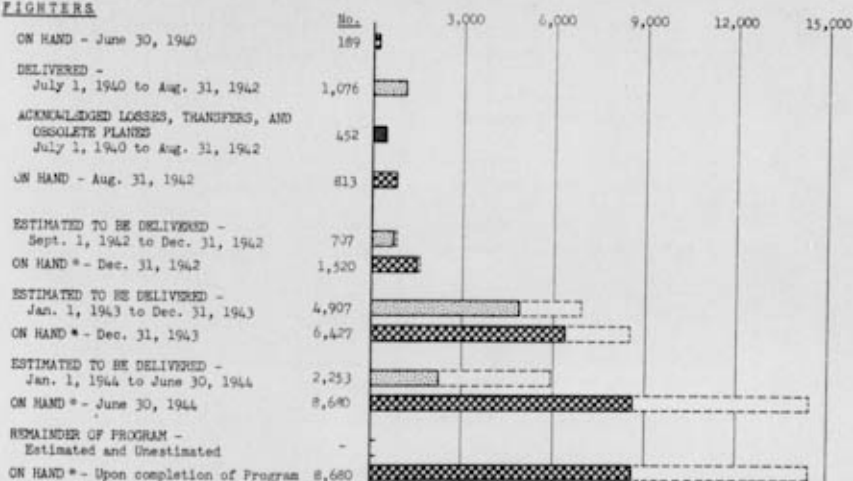
Note: Extended area on bars represents increment over estimated deliveries of contracted planes to meet VPB 8-K objective for period shown. Shaded area of such bars represents estimated deliveries of contracted planes, based upon reports of naval inspectors.

* Figure shown comprises contracted planes only and assumes no interim losses.

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STATUS AND PROGRESS OF COMBATANT AIRPLANE PROGRAM - NAVY ONLY

OBSERVATION SCOUTSFIGHTERS

Note: Extended area on bars represents increment over estimated deliveries of contracted planes to meet WPS 8-K objective for period shown. Shaded area of such bars represents estimated deliveries of contracted planes, based upon reports of naval inspectors.

* Figure shown comprises contracted planes only and assumes no interim losses.

MONTHLY ACTUAL OR ESTIMATED DELIVERIES

Airplanes - Navy Program Only

Calendar Year 1942

ITEM	A C T U A L D E L I V E R I E S									E S T I M A T E D D E L I V E R I E S				GRAND TOTAL CALENDAR YEAR 1942
	January	February	March	April	May	June	July	August	Total 1/1/42 to 9/1/42	September	October	November	December	
BY TYPE														
Scout Bomber and Bomber	1	4	25	54	68	64	54	78	348	101	136	165	212	962
Torpedo Bomber	1	5	17	25	36	61	75	62	282	71	81	92	106	632
Patrol Bomber (multi-engine)	52	50	50	42	53	33	38	49	387	103	51	208	252	1,001
Observation Scout	96	101	86	73	94	65	102	163	780	117	99	60	65	1,121
Fighter	63	79	57	92	107	122	66	54	640	44	180	222	259	1,347
Utility (a)	32	41	2	0	0	0	1	4	80	2	0	0	0	86
Utility (multi-engine) (b)	2	9	1	1	0	2	3	3	21	3	3	0	4	27
Transport (a)	0	7	3	5	5	5	28	11	64	39	34	14	37	188
Transport (multi-engine)	4	5	12	13	17	15	8	12	86	18	12	15	17	148
Tactical - Total	251	301	253	323	380	367	375	436	2,688	500	596	776	952	5,512
Trainer, Primary	12	12	32	131	145	103	170	178	777	173	118	161	190	1,619
Trainer, Advanced	76	37	39	51	173	218	355	310	1,259	254	283	264	284	2,324
Training - Total	88	49	71	182	318	321	525	482	2,036	427	401	425	474	3,943
Experimental	0	0	1	0	1	0	0	0	2	3	4	2	4	15
All Types - Total	339	350	325	507	699	688	900	918	4,726	930	1,001	1,183	1,430	9,270
BY MANUFACTURER														
Beech (c)	0	0	0	2	4	1	13	29	49	46	28	29	31	183
Boeing	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Brewster	0	0	0	0	0	0	0	0	0	0	11	16	24	63
Consolidated	52	50	50	61	51	31	33	41	369	88	32	105	107	701
Curtiss-Wright	0	0	0	15	33	35	46	88	217	80	72	90	109	566
Douglas	4	5	34	63	79	76	62	86	409	96	112	130	160	907
General Motors	0	0	0	0	0	0	0	0	0	0	2	4	10	16
Grumman (a)	96	125	77	117	143	183	143	114	998	104	223	234	259	1,619
Howard	0	0	0	0	0	0	0	0	0	0	8	16	20	74
Langley	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Lockheed	0	0	0	0	5	3	0	0	8	5	5	5	5	28
Martin	0	0	0	1	2	2	5	8	18	14	18	26	35	111
Naval Aircraft Factory	0	10	24	24	19	31	50	50	208	51	50	2	2	313
North American	51	37	39	42	78	151	175	170	743	122	178	150	186	1,779
Piper	0	0	4	102	122	0	0	0	230	31	28	10	31	330
Spartan	12	12	24	29	23	9	19	0	124	0	0	0	0	124
Stearman	0	0	0	0	0	98	150	168	416	142	90	125	150	923
Tim	0	0	2	0	0	0	1	4	7	25	20	20	20	92
Vega	0	0	0	0	0	0	0	0	0	0	0	76	108	184
Vought-Sikorsky (b)	97	95	65	44	71	30	49	64	515	28	40	75	100	758
Volvo	25	0	0	0	66	37	135	82	345	81	83	69	73	651
Civilian Acquisition*	2	14	4	7	3	0	5	5	44	0	0	0	0	64
All Manufacturers - Total	339	350	325	507	699	688	900	918	4,726	930	1,001	1,183	1,430	9,270

Note: Planes procured for Army and Lend-Lease are not included.

* 11 Utilities (multi-engine), 11 transports and 1 transport (multi-engine), all civilian acquisitions originally reported for transport service only and not previously shown, are now included in the Navy program and 1942 deliveries.

(a) 17 Grumman J4F's for the Coast Guard, previously included in Navy deliveries, are now deleted.

(b) 1 Vought-Sikorsky J4C23, originally reported for transport service only and not previously shown, is now included.

(c) 2 Beech GR's delivered on Navy contract but diverted to Brazil, to be replaced, are now included.

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AUGUST AIRPLANE DELIVERIES VS. JULY AND WPS 8-K SCHEDULE

August airplane deliveries, procured by Navy for Navy, Army and Lend-Lease, amounted to 1,066, or 3 percent ahead of July deliveries. Of the August deliveries, 51% were tactical combat types, 47% were trainers, and 2% were transport and utility types, as compared with 44%, 52%, and 4%, respectively, for July.

Principal unit decreases occurred in the advanced trainer, transport, torpedo bomber, and patrol bomber (2-engine) types.

Principal unit increases occurred in the fighter, scout bomber, and observation scout types.

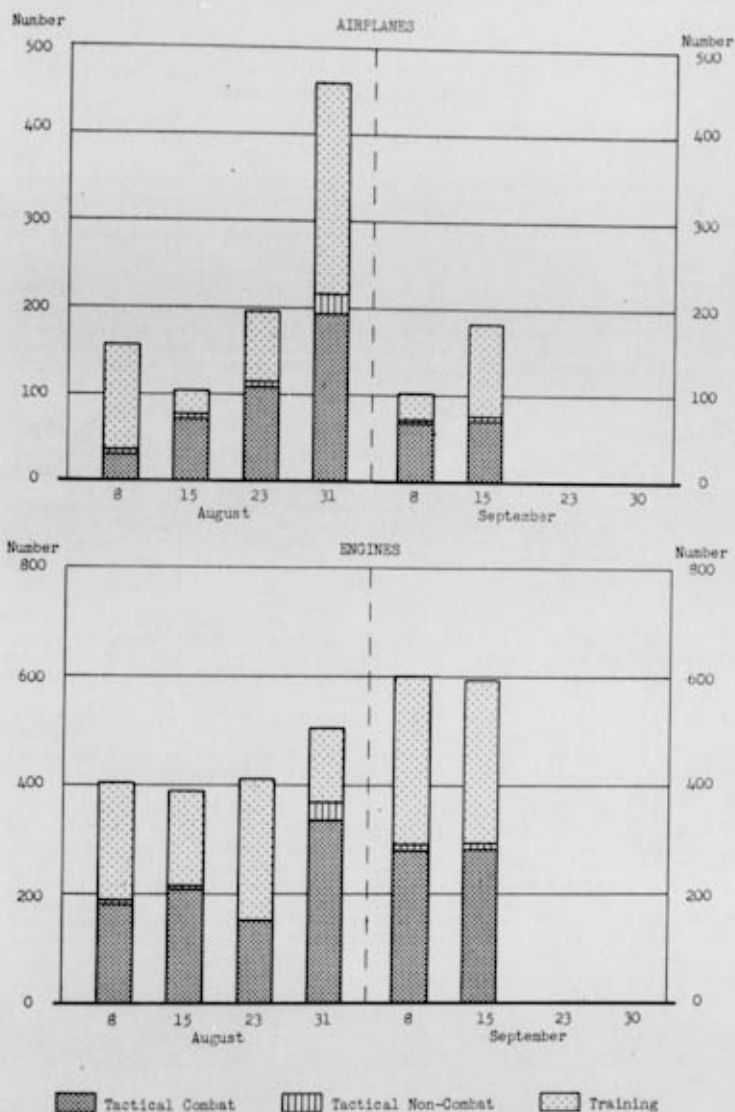
Type	Deliveries		Unit Change	Percent Change	8-K Schedule for August, 1942	Aug. Deliveries as Percent of 8-K Schedule
	July 1942	August 1942				
<u>Tactical Combat</u>	<u>452</u>	<u>542</u>	<u>+90</u>	<u>+20%</u>	<u>577</u>	<u>94%</u>
Scout Bomber	74	108	+34	+46	117	92
Torpedo Bomber	75	62	-13	-17	80	78
Patrol Bomber (2-engine)						
Boat	68	58	-10	-15	66	88
Landplane	0	0	-	-	0	-
Patrol Bomber (4-engine)						
Boat	3	3	0	0	7	43
Landplane	0	4	+4	-	0	-
Observation Scout	130	163	+33	+25	158	103
Fighter	102	144	+42	+41	149	97
<u>Tactical Non-Combat</u>	<u>48</u>	<u>32</u>	<u>-16</u>	<u>-33</u>	<u>115</u>	<u>28</u>
Utility	5	4	-1	-20	4	100
Utility (multi-engine)	4	3	-1	-25	4	75
Transport	31	13	-18	-58	96	14
Transport (multi-engine)	8	12	+4	+50	11	109
<u>Training</u>	<u>534</u>	<u>492</u>	<u>-42</u>	<u>-8</u>	<u>480</u>	<u>103</u>
Trainer, primary	170	172	+2	+1	148	116
Trainer, advanced	364	320	-44	-12	332	96
Experimental	0	0	-	-	2	0
GRAND TOTAL	1,034	1,066	+32	+3	1,174	91

Note: Table includes planes procured by Navy for Navy, Army Air Corps and Lend-Lease.

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QUARTER-MONTHLY DELIVERIES OF AIRPLANES AND ENGINES
Navy Program Only



COMMENTS ON THE AIRCRAFT PROGRAM

GENERAL

With the delivery of 216 planes for all classes and users during the second quarter of September, deliveries for the first half of September total 330. This is only 11 planes behind the same period in August when 341 planes were delivered. Of the 216 planes, 190 were for Navy and 26 for Lend-Lease.

CONSOLIDATED

With the delivery of 18 PB2Y-5A's during the second quarter of September, Consolidated remains well ahead of contract schedule for the PB2Y-Class. A total of 65 is estimated for delivery during the month of September, 60 for Navy and 5 for Lend-Lease. Consolidated also delivered another PB2Y-3, but production in quantity has not yet started on this model.

CURTIS-WRIGHT

With the delivery of one SC3C-1 during the second quarter of September, Curtiss-Wright has finally started delivery on this model which is 8 months behind the contract schedule. According to the naval inspectors, 11 of this model should be delivered by the end of September, 10 for Navy and 1 for Lend-Lease. Curtiss-Wright also brought its total deliveries of the SC3C-1 to 72, with the delivery of one more SC3C-1 during the second quarter of September. It is anticipated that 59 of this model will be delivered during the month of September.

DOUGLAS

During the second quarter of September, Douglas delivered 19 SBD-3's, 12 SBD-3's to the Navy and 7 SBD-3A's to the Army. During the month of September Douglas expects to deliver 113 SBD-3 types, 82 SBD-3 and one SBD-5 for the Navy, and 30 SBD-3A's for the Army.

GENERAL MOTORS

During the second quarter of September, General Motors delivered the first of the FM's, one month ahead of contract and estimated delivery.

GRUMMAN

With the delivery of 11 TBF-1's during the second quarter of September, Grumman still is forging ahead of its original contract schedule. It is estimated that 43 will be delivered during the month of September, and if this is accomplished the contract of 325 will be completed four months ahead of the original contract schedule, and on schedule with B-K. Grumman also delivered 26 F4F-4B to Lend-Lease, which delivery completes the first contract of 150, and leaves 49 to be delivered on the last contract of 70.

ENGINE REQUIREMENTS IN RELATION TO AIRPLANE DELIVERIES - NAVY PROGRAM ONLY

Class of Airplane	Airplanes Delivered 7/1/40 to 9/1/42	Engines Required For Airplanes Delivered 7/1/40 to 9/1/42			Engines Delivered 7/1/40 to 9/1/42	Delivered Sep 1-15	
		Installation	Spares	Total		Airplanes	Engines
<u>Tactical Combat</u>	<u>4,128</u>	<u>4,813</u>	<u>2,737</u>	<u>7,550</u>	<u>9,234</u>	<u>141</u>	<u>567</u>
Scout Bomber	794	803	402	1,205	1,474	32	35
Torpedo Bomber	282	282	141	423	516	16	0
Patrol Bomber (2-engine)							
Boat	608	1,216	912	2,128	2,643	36	341
Landplane	20	40	30	70	40	27	54
Patrol Bomber (4-engine)							
Boat	12	48	36	84	274	2	0
Landplane	4	16	12	28	16	0	0
Observation Scout	1,332	1,332	666	1,998	2,228	25	32
Fighter	1,076	1,076	538	1,614	2,043	3	105
<u>Tactical Non-Combat</u>	<u>418</u>	<u>602</u>	<u>453</u>	<u>1,055</u>	<u>869</u>	<u>6</u>	<u>16</u>
Utility	149	154	154	308	218	0	0
Utility (multi-engine)	72	150	150	300	226	0	2
Transport	96	96	48	144	106	3	3
Transport (multi-engine)	101	202	101	303	319	3	11
<u>Training</u>	<u>4,219</u>	<u>4,251</u>	<u>3,487</u>	<u>5,738</u>	<u>5,826</u>	<u>137</u>	<u>613</u>
Trainer, primary	2,310	2,310	808	3,118	3,062	64	28
Trainer, advanced	1,909	1,941	679	2,620	2,764	73	585
Experimental	13	19	-	19	127*	1	0
GRAND TOTAL	8,778	9,685	4,677	14,362	16,056	285	1,196

* Includes test types and L.T.A. engines.

AIRPLANES ON HAND - COMPARATIVE STATEMENT
As of August 31, 1942

Class of Airplane	On Hand					
	Jul 1 1940	Dec 31 1940	Jul 1 1941	Dec 31 1941	Jul 1 1942	Aug 31 1942
<u>Tactical Combat</u>	<u>1,197</u>	<u>1,360</u>	<u>1,227</u>	<u>2,471</u>	<u>3,121</u>	<u>3,726</u>
Scout Bomber	399	443	635	709	583	684
Torpedo Bomber	114	112	103	100	177	304
Patrol Bomber (2 engine)						
Boat	217	234	329	443	572	632
Landplane	0	0	0	18	16	15
Patrol Bomber (4 engine)						
Boat	0	1	4	5	5	11
Landplane	0	0	0	0	0	4
Observation Scout	278	325	471	682	1,102	1,333
Fighter	189	245	385	514	736	813
<u>Tactical Non-Combat</u>	<u>151</u>	<u>169</u>	<u>183</u>	<u>303</u>	<u>461</u>	<u>521</u>
Utility	107	104	104	168	231*	229
Utility (multi-engine)	25	33	43	75	87	93
Transport	15	18	18	41	61	99
Transport (multi-engine)	4	14	18	19	82	100
<u>Training</u>	<u>364</u>	<u>638</u>	<u>1,444</u>	<u>2,459</u>	<u>3,278</u>	<u>4,320</u>
Trainer, primary	272	545	1,219	1,732	2,104	2,406
Trainer, advanced	92	93	225	727	1,274	1,914
Experimental	32	33	31	27	28	27
GRAND TOTAL	1,744	2,200	3,585	5,260	7,058*	8,664

Note: Data include "useful" and experimental planes for Navy only.

* Reflects deletion of 17 J4F Coast Guard planes included in previous issues of this table.

ENGINES ON HAND - COMPARATIVE STATEMENT
As of August 31, 1942

Class of Airplane to Which Allocated	On Hand					
	Jul 1 1940	Dec 31 1940	Jul 1 1941	Dec 31 1941	Jul 1 1942	Aug 31 1942*
<u>Tactical Combat</u>	<u>2,981</u>	<u>3,572</u>	<u>4,676</u>	<u>6,166</u>	<u>9,766</u>	<u>11,256</u>
Scout Bomber	923	1,088	1,285	1,338	1,815	2,170
Torpedo Bomber	178	175	175	308	439	581
Patrol Bomber (2-engine)						
Boat	799	951	1,337	1,733	3,081	3,423
Landplane	0	0	0	38	46	46
Patrol Bomber (4-engine)						
Boat	4	20	32	40	277	277
Landplane	0	0	0	0	0	16
Observation Scout	604	741	1,056	1,484	2,369	2,546
Fighter	473	597	791	1,225	1,739	2,197
<u>Tactical Non-Combat</u>	<u>443</u>	<u>463</u>	<u>572</u>	<u>844</u>	<u>1,076</u>	<u>1,134</u>
Utility	202	202	214	324	405	391
Utility (multi-engine)	95	97	151	235	294	291
Transport	55	56	83	91	116	129
Transport (multi-engine)	91	108	124	194	261	321
<u>Training</u>	<u>482</u>	<u>975</u>	<u>1,968</u>	<u>3,264</u>	<u>4,752</u>	<u>6,343</u>
Trainer, primary	403	860	1,567	2,369	2,892	2,938
Trainer, advanced	79	115	401	895	1,860	3,405
Miscellaneous**	95	95	108	126	205	213
Total	4,001	5,105	7,324	10,400	15,799	18,946

Note: Engines installed in airplanes on hand are included in engine on hand figures.

* Preliminary.

** Includes test types, experimental and L.T.A. engines.

AIRPLANES AND ENGINES ON HAND AND ON ORDER
September 15, 1942

Class of Airplane	Airplanes		Engines	
	On Hand	On Order (Undelivered)	On Hand **	On Order * (Undelivered)
<u>Tactical Combat</u>	<u>3,890</u>	<u>24,973</u>	<u>11,820</u>	<u>42,806</u>
Scout Bomber	705	7,944	2,205	11,531
Torpedo Bomber	318	3,906	581	7,366
Patrol Bomber (2-engine)				
Boat	660	1,147	3,761	3,872
Landplane	41	873	100	1,146
Patrol Bomber (4-engine)				
Boat	13	417		
Landplane	4	396	277	2,742
Observation Scout	1,346	2,426	16	1,584
Fighter	803	7,864	2,578	3,386
			2,302	11,179
<u>Tactical Non-Combat</u>	<u>525</u>	<u>1,331</u>	<u>1,153</u>	<u>3,778</u>
Utility	227	52	391	151
Utility (multi-engine)	93	144	295	829
Transport	102	237	132	298
Transport (multi-engine)	103	798	335	2,500
<u>Training</u>	<u>4,443</u>	<u>4,630</u>	<u>6,956</u>	<u>6,217</u>
Trainer, primary	2,462	2,350	2,966	3,310
Trainer, advanced	1,981	2,280	3,990	2,907
Experimental	27	24	213(a)	1,711(a)
GRAND TOTAL	8,885	30,858	20,142	54,512

Notes: Data include "useful" and experimental planes for Navy only.

Engines installed in airplanes on hand are included in engine on hand figures.

* Based upon contracts in force August 31, 1942.

** Preliminary.

(a) Includes experimental, test types and L.T.A. engines.

AIRPLANE PROCUREMENT PROGRAM AND DELIVERY PROGRESS

AIRCRAFT PROCUREMENT PROGRAM AND DELIVERY PROGRESS											
Class and Manufacturer	Model Series	Procurement Program	Total Ordered 7/1/40 to 9/1/42	Total Due 7/1/40 to 9/1/42	Total Delivered 7/1/40 to 9/1/42	Deliveries					
						Actual		Estimated			Actual Sep 1-15
						Jul 1942	Aug 1942	Sep 1942	Oct 1942	Nov 1942	
NAVY PROGRAM ONLY											
TACTICAL COMBAT		40,514	29,242	4,685	4,128	335	406	438	547	747	141
Scout Bomber		10,858	8,770	1,439	724	54	78	101	136	164	32
Brewster	SB2A		365	203							
Canadian C & F Co.	SBW		550	0	4	0	4	8	11	15	0
Curtiss-Wright	SBC		50	50	50	0	0	0	0	0	0
Curtiss-Wright	SB2C		3,865	519	0	0	0	0	0	0	0
Douglas	SBD		2,921	541	644	54	0	10	20	30	1
Douglas	SB2D		623	0	0	74	83	105	120	31	
Douglas	BD		9	9	0	0	0	0	0	0	0
Fairchild	SBF		300	0	0	0	0	0	0	0	0
Naval Aircraft Factory	SBN		30	30	30	0	0	0	0	0	0
Vought-Sikorsky	SB2U		57	57	57	0	0	0	0	0	0
Torpedo Bomber		5,535	4,204	195	282	75	62	71	81	92	16
General Motors	TBM		1,500	0	0	0	0	0	1	2	0
Grumman	TBF		1,604	195	282	75	62	71	80	90	16
Vought-Sikorsky	TBO		1,100	0	0	0	0	0	0	0	0
Patrol Bomber (2-engine)		1,264	2,731	647	608	35	42	75	19	94	36
Boat		2,344	1,791	627	608	35	42	75	19	94	36
Consolidated	PBY		1,056	460	570	30	34	60	0	67	32
Martin	PBM		579	158	38	5	8	14	18	25	4
Naval Aircraft Factory	PBN		156	9	0	0	0	1	1	2	0
Landplane		920	920	20	20	0	0	0	0	76	27
Lockheed	PBO		20	20	20	0	0	0	0	0	0
North American	PBJ		300	0	0	0	0	0	0	0	0
Vega	PV		600	0	0	0	0	0	0	76	27
Patrol Bomber (4-engine)		1,061	841	90	16	1	2	28	32	38	2
Boat											
Consolidated	PB2Y		661	431	90	12	3	8	12	18	2
Landplane											
Consolidated	PB4Y		400	400	4	0	4	20	20	20	0
Observation Scout		4,027	3,781	1,476	1,332	102	161	117	99	60	25
Curtiss-Wright	OS2C		1,350	345	78	5	58	99	90	60	14
Naval Aircraft Factory	OS2N		300	300	201	50	50	50	49	0	3
Ryan	OSR		1,072	0	0	0	0	0	0	0	0
Vought-Sikorsky	OS2U		1,061	831	1,053	47	55	8	0	0	8
Fighter		14,729	8,743	848	1,078	66	54	46	180	222	1
Brewster	F2A		151	151	151	0	0	0	0	0	0
Brewster	F3A		1,088	1	0	0	0	0	0	0	0
General Motors	FM		1,800	0	0	0	0	0	1	2	1
Goodyear	FG		2,000	0	0	0	0	0	0	0	0
Grumman	F4F		1,572	582	914	64	45	25	137	135	0
Grumman	F6F		909	0	0	0	0	1	2	10	0
Vought-Sikorsky	F4U		1,423	114	11	2	9	20	40	75	2

Notes: The Navy Procurement Program for planes includes Schedule B-K Navy Initial Objective items as shown in the Bureau of Aeronautics Production Program August 31, 1942, plus orders completed since July 1, 1940, involving 5,410 planes.

Estimates as of August 31, 1942, are based upon reports of naval inspectors, compiled and adjusted September 8, 1942.

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AIRPLANE PROCUREMENT PROGRAM AND DELIVERY PROGRESS (CONTINUED)

Class and Manufacturer	Model Series	Procurement Program	Total Ordered 7/1/40 to 9/1/42	Total Due 7/1/40 to 9/1/42	Total Delivered 7/1/40 to 9/1/42	Deliveries					
						Actual		Estimated			Actual Sep 1-15
						Jul 1942	Aug 1942	Sep 1942	Oct 1942	Nov 1942	
NAVY PROGRAM ONLY (CONCLUDED)											
TACTICAL NON-COMBAT		1,976	1,655	418	418	40	30	62	49	29	6
Utility		226	201	142	142	1	4	2	0	0	0
Grumman	J2F		144	144	144	0	0	0	0	0	0
Grumman	J4F		57	5	5	1	4	2	0	0	0
Utility (multi-engine)		240	216	71	72	1	2	2	2	0	0
Beech	JRB		27	27	27	0	0	0	0	0	0
Grumman	JRP		76	34	35	3	3	3	3	0	0
Nash-Kelvinator	JRK		100	0	0	0	0	0	0	0	0
Vought-Sikorsky	JRUS		6	3	3	0	0	0	0	0	0
Miscellaneous	B304, M130		7	7	7	0	0	0	0	0	0
Transport		608	336	111	28	28	11	22	14	14	1
Beech	GB		138	63	50	9	1	6	5	4	3
Bellanca			1	1	1	1	0	0	0	0	0
Fairchild	GH		9	9	9	1	2	0	0	0	0
Howard	GH		85	35	33	11	5	2	0	0	0
Piper	HL		100	0	0	0	0	31	28	10	0
Stinson			1	1	1	1	0	0	0	0	0
Waco			2	2	2	2	0	0	0	0	0
Transport (multi-engine)		902	902	87	101	8	12	18	12	12	1
Budd Manufacturing Co.	RB		200	0	0	0	0	0	0	0	0
Curtiss-Wright	R5C		120	0	0	0	0	0	0	0	0
Douglas	R3D, 4D		437	67	81	8	12	13	7	10	3
Douglas	R5D		45	0	0	0	0	0	0	0	0
Lockheed	R50		96	16	16	0	0	5	5	5	0
Vought-Sikorsky	RS4, 5		4	4	4	0	0	0	0	0	0
TRAINING		9,436	8,986	2,774	4,219	525	482	427	401	405	137
Trainer, primary		4,724	4,724	1,892	2,310	170	172	173	118	161	54
Howard	NH		175	0	0	0	0	0	0	0	0
Naval Aircraft Factory	N3N		757	757	757	0	0	0	0	0	0
Piper	NE		230	230	230	0	0	0	0	0	0
Ryan	NR		100	100	100	0	0	0	0	0	0
Spartan	NF		200	200	200	19	0	0	0	0	0
Stearman	N2S		3,000	600	1,016	150	168	142	90	125	64
Timb	N2T		262	12	7	1	4	25	20	20	0
Trainer, advanced		4,712	4,262	872	1,909	355	310	254	283	244	71
Beech	SBN		396	0	32	4	28	40	22	25	1
Curtiss-Wright	SNC		300	300	289	41	30	11	0	0	11
North American	SNJ		2,666	295	1,068	175	170	122	178	150	0
Vultee	SNV		900	280	520	135	82	81	83	69	61
Experimental		38	38	21	13	0	0	3	4	2	1
Total Navy		51,964	39,921	7,898	8,778	900	918	930	1,001	1,183	285
Total Navy 7/1/40 to 9/15/42											
AIRSHIPS (LIGHTER-THAN-AIR)											
Patrol	ZNP-X	234	120	-	10	1	2	4	4	5	0
Training	ZNP-L	26	26	-	2	0	0	0	0	0	0
Experimental	ZNP-M	1	1	-	0	0	0	0	0	0	0
Total Airships		261	147	-	12	1	2	4	4	5	0

Notes: The Navy Procurement Program for planes includes Schedule B-K Navy Initial Objective items as shown in the Bureau of Aeronautics Production Program August 31, 1942, plus orders completed since July 1, 1940, involving 5,410 planes.

Estimates as of August 31, 1942, are based upon reports of naval inspectors, compiled and adjusted September 8, 1942.

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AIRPLANE PROCUREMENT PROGRAM AND DELIVERY PROGRESS (CONCLUDED)

Class and Manufacturer	Model Series	Procurement Program	Total Ordered 7/1/40 to 9/1/42	Total Due 7/1/40 to 9/1/42	Total Delivered 7/1/40 to 9/1/42	Deliveries						
						Actual		Estimated			Actual	
						Jul 1942	Aug 1942	Sep 1942	Oct 1942	Nov 1942	Sep 1-15	
NAVY PROCURED FOR ARMY AIR CORPS AND LEND-LEASE												
TACTICAL COMBAT			8,337	8,337	484	509	117	136	119	97	33	41
Scout Bomber			1,968	1,968	78	128	20	30	31	30	30	2
Canadian Car & Foundry	SBF		150	0	0	0	0	0	0	0	0	0
Curtiss-Wright	SB2C		3,100	0	0	0	0	0	1	0	0	0
Douglas	SB2		368	78	128	20	30	30	30	30	30	7
Torpedo Bomber												
Grumman	TBF	686	686	0	0	0	0	0	0	0	0	0
Patrol Bomber (2-engine)			703	583	32	50	33	16	2	27	3	0
Boeing	PB2B		200	0	0	0	0	0	0	0	0	0
Consolidated	PBY		235	32	50	33	16	5	27	3	0	0
Martin	PBM		150	0	0	0	0	0	0	0	0	0
Patrol Bomber (4-engine)			200	200	0	0	0	0	0	0	0	0
Boeing	PB4Y		200	0	0	0	0	0	0	0	0	0
Consolidated	PBY		200	0	0	0	0	0	0	0	0	0
Observation Scout			204	204	154	154	28	0	0	0	0	0
Curtiss-Wright	SO3C		250	0	0	0	0	0	0	0	0	0
Ryan	SO4		100	0	0	0	0	0	0	0	0	0
Vought-Sikorsky	OS2U		154	154	154	28	0	0	0	0	0	0
Fighter			2,224	2,224	220	177	36	90	83	0	0	34
Brewster	F2A		420	0	0	0	0	0	0	0	0	0
General Motors	FM		600	0	0	0	0	0	0	0	0	0
Grumman	F4F		220	220	177	36	90	83	0	0	0	34
Grumman	F6F		354	0	0	0	0	0	0	0	0	0
Vought-Sikorsky	F4U		700	0	0	0	0	0	0	0	0	0
TACTICAL NON-COMBAT			690	690	50	35	8	2	11	5	8	4
Utility												
Grumman	J4F		14	14	0	4	4	0	2	4	4	0
Utility (multi-engine)			62	62	20	26	1	0	0	1	4	0
Grumman	JRF		50	20	26	1	0	0	1	4	0	0
Hughes-Kelvinator	JRE		12	0	0	0	0	0	0	0	0	0
Transport												
Beech	QB		14	14	0	5	3	2	9	0	0	4
Transport (multi-engine)												
Bell Manufacturing Co.	RB	600	600	0	0	0	0	0	0	0	0	0
TRAINING			35	35	0	35	9	10	0	0	0	0
Trainer, advanced												
Curtiss-Wright	SNC		35	35	0	35	9	10	0	0	0	0
Total AAC & LL			9,062	8,942	534	579	134	148	130	102	41	45
Total AAC & LL 7/1/40 to 9/15/42												624
Grand Total EXCLUDING LTA			61,026	48,862	8,432	9,337	1,034	1,066	1,060	1,103	1,224	330
Grand Total EXCLUDING LTA 7/1/40 to 9/15/42												9,687

Notes: The Procurement Program includes Schedule B-K Initial Objective items procured by Navy for Army and Lend-Lease only as shown in the Bureau of Aeronautics Production Program August 31, 1942, plus orders completed since July 1, 1940, involving 78 planes.

Estimates as of August 31, 1942, are based upon reports of naval inspectors, compiled and adjusted September 8, 1942.

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ENGINE PROCUREMENT PROGRAM AND DELIVERY PROGRESS

Class and Manufacturer	Procurement Program	Total Ordered 7/1/40 to 9/1/42	Total Due 7/1/40 to 9/1/42	Total Delivered 7/1/40 to 9/1/42	Deliveries					
					Actual		Estimated			Actual
					Jul 1942	Aug 1942	Sep 1942	Oct 1942	Nov 1942	Sep 1-15
NAVY PROGRAM ONLY										
TACTICAL COMBAT	73,151	52,607	9,497	9,234	932	890	1,515	1,264	1,795	567
<u>Scout Bomber</u>	<u>16,362</u>	<u>13,040</u>	<u>2,124</u>	<u>1,474</u>	<u>179</u>	<u>228</u>	<u>279</u>	<u>375</u>	<u>541</u>	<u>35</u>
Brewster		162	0	4	0	4	5	7	11	0
Curtiss-Wright		2	0	0	0	0	0	0	0	0
Douglas		20	20	18	0	0	0	0	0	0
Pratt & Whitney		48	48	48	0	0	0	0	0	0
Wright		12,808	2,056	1,404	179	224	274	368	530	35
<u>Torpedo Bomber</u>	<u>9,803</u>	<u>7,882</u>	<u>384</u>	<u>516</u>	<u>85</u>	<u>73</u>	<u>108</u>	<u>48</u>	<u>52</u>	<u>0</u>
Pratt & Whitney		1,650	0	0	0	0	0	0	0	0
Vought-Sikorsky		1	1	1	0	0	0	0	0	0
Wright		6,231	383	515	85	73	108	48	52	0
<u>Patrol Bomber (2-engine)</u>	<u>11,424</u>	<u>8,096</u>	<u>2,527</u>	<u>2,683</u>	<u>318</u>	<u>147</u>	<u>473</u>	<u>310</u>	<u>556</u>	<u>395</u>
Boat	8,204	6,856	2,487	2,643	318	147	473	310	361	341
General Motors		700	0	0	0	0	0	0	0	0
McCalley		6	6	6	0	0	0	0	0	0
Pratt & Whitney		3,976	1,612	1,839	155	77	397	279	323	341
Wright		2,174	869	798	163	70	76	31	38	0
Landplane	3,220	1,240	40	40	0	0	0	0	195	54
Lockheed		40	40	40	0	0	0	0	0	0
Pratt & Whitney		600	0	0	0	0	0	0	195	54
Wright		600	0	0	0	0	0	0	0	0
<u>Patrol Bomber (4-engine)</u>	<u>7,427</u>	<u>4,616</u>	<u>762</u>	<u>290</u>	<u>0</u>	<u>16</u>	<u>160</u>	<u>180</u>	<u>205</u>	<u>0</u>
Boat	4,627	3,016	762	274	0	0	80	100	125	0
McCalley		1	1	1	0	0	0	0	0	0
Pratt & Whitney		3,010	761	268	0	0	80	100	125	0
Wright		5	0	5	0	0	0	0	0	0
Landplane										
Pratt & Whitney	2,800	1,600	0	16	0	16	80	80	80	0
<u>Observation Scout</u>	<u>5,041</u>	<u>5,646</u>	<u>2,120</u>	<u>2,228</u>	<u>104</u>	<u>132</u>	<u>207</u>	<u>57</u>	<u>64</u>	<u>32</u>
Pratt & Whitney		2,060	1,693	1,882	70	80	150	28	0	0
Ranger		3,586	427	346	34	52	57	29	64	32
<u>Fighter</u>	<u>22,094</u>	<u>13,327</u>	<u>1,580</u>	<u>2,043</u>	<u>246</u>	<u>284</u>	<u>288</u>	<u>294</u>	<u>377</u>	<u>105</u>
Crumman		5	3	1	0	0	1	1	0	0
Nash-Kelvinator		1,859	0	7	0	7	0	10	40	0
Pratt & Whitney		11,262	1,376	1,835	246	275	286	283	337	104
Vought-Sikorsky		1	1	1	0	0	0	0	0	0
Wright		200	200	199	0	2	1	0	0	1

Notes: The engine procurement program represents the installation and spare requirements for the Navy plane procurement program.

Estimates as of August 31, 1942, are based upon reports of naval inspectors, compiled and adjusted September 8, 1942.

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ENGINE PROCUREMENT PROGRAM AND DELIVERY PROGRESS (CONTINUED)

Class and Manufacturer	Procurement Program	Total Ordered 7/1/40 to 9/1/42	Total Due 7/1/40 to 9/1/42	Total Delivered 7/1/40 to 9/1/42	Deliveries					
					Actual		Estimated			Actual
					Jul 1942	Aug 1942	Sep 1942	Oct 1942	Nov 1942	Sep 1-15
NAVY PROGRAM ONLY (CONCLUDED)										
TACTICAL NON-COMBAT	5,753	4,663	819	869	13	47	69	42	16	16
Utility	616	362	218	218	2	0	1	0	0	0
Grumman		153	3	2	2	0	1	0	0	0
Wright		216	216	216	0	0	0	0	0	0
Utility (multi-engine)										
Pratt & Whitney	1,384	1,057	238	226	0	4	26	0	0	2
Transport	912	407	138	106	2	8	37	34	11	1
Beech		48	48	35	9	3	6	6	1	3
Fairchild		3	3	3	0	0	0	0	0	0
Howard		6	6	6	0	0	0	0	0	0
Piper		100	31	0	0	0	31	28	10	0
Pratt & Whitney		243	43	55	0	0	0	0	0	0
Warner		7	7	7	0	5	0	0	0	0
Transport (multi-engine)	2,841	2,830	224	319	2	35	2	8	2	11
Douglas		18	18	18	0	4	0	0	0	0
Ford Motor Co.		360	0	0	0	0	0	0	0	0
General Motors		1,200	0	0	0	0	0	0	0	0
Lockheed		114	24	24	0	0	0	0	0	0
Pratt & Whitney		972	166	264	0	31	0	0	0	6
Wright		166	16	13	2	0	5	8	5	5
TRAINING	13,274	12,656	5,059	5,826	829	778	1,154	671	564	613
Trainer, primary	6,378	6,400	3,435	3,062	200	46	308	221	227	28
Continental		4,263	1,528	1,155	200	40	276	200	200	0
Lycoming		433	433	433	0	0	0	0	0	0
Naval Aircraft Factory		954	954	954	0	0	0	0	0	0
Piper		230	230	230	0	0	0	0	0	0
Pratt & Whitney		236	6	6	0	6	30	23	27	28
Ryan		134	134	134	0	0	0	0	0	0
Wright		150	150	150	0	0	0	0	0	0
Trainer, advanced	6,896	6,256	1,624	2,764	629	732	846	448	337	585
Naval Aircraft Factory		65	65	2	0	2	38	25	0	2
Pratt & Whitney		5,641	1,009	2,212	629	730	808	423	337	583
Vultee		200	200	200	0	0	0	0	0	0
Wright		350	350	350	0	0	0	0	0	0
Lighter-Than-Air		480	72	93	17	0	0	0	0	0
Goodyear		4	4	4	0	0	0	0	0	0
Pratt & Whitney		456	48	69	17	0	0	0	0	0
Warner		2	2	2	0	0	0	0	0	0
Wright		18	18	18	0	0	0	0	0	0
Miscellaneous **		1,358	43	34	0	1	8	19	55	0
Total Navy	92,178	71,764	15,490	16,056	1,791	1,706	2,746	1,996	2,430	1,196
Total Navy 7/1/40 to 9/15/42										17,252

Notes: The engine procurement program represents the installation and spare requirements for the Navy plane procurement program.

Estimates as of August 31, 1942, are based upon reports of naval inspectors, compiled and adjusted September 8, 1942.

** Includes experimental and test types.

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ENGINE PROCUREMENT PROGRAM AND DELIVERY PROGRESS (CONCLUDED)

Class and Manufacturer	Procurement Program	Total Ordered 7/1/40 to 9/1/42	Total Due 7/1/40 to 9/1/42	Total Delivered 7/1/40 to 9/1/42	Deliveries					
					Actual		Estimated			Actual
					Jul 1942	Aug 1942	Sep 1942	Oct 1942	Nov 1942	Sep 1-15
<u>NAVY PROCURED FOR ARMY AIR CORPS AND LEND-LEASE</u>										
<u>Procured for Army</u>	—	<u>54,276</u>	<u>15,741</u>	<u>21,911</u>	<u>1,472</u>	<u>1,661</u>	<u>1,086</u>	<u>2,000</u>	<u>1,687</u>	(a)
Lycoming		52	1	1	0	0	0	1	0	(a)
Nash-Kelvinator		777	0	0	0	0	0	0	0	(a)
Pratt & Whitney		53,447	15,740	21,910	1,472	1,661	1,086	1,999	1,687	(a)
<u>Procured for Lend-Lease</u>	—	<u>13,102</u>	<u>1,347</u>	<u>1,584</u>	<u>238</u>	<u>338</u>	<u>226</u>	<u>256</u>	<u>202</u>	65
Beech		14	11	5	3	0	9	0	0	4
Grumman		48	16	16	8	8	8	8	8	0
Nash-Kelvinator		912	0	0	0	0	0	0	0	0
Naval Aircraft Factory		685	81	0	0	0	0	0	40	0
Pratt & Whitney		8,506	1,115	1,347	152	149	105	166	118	42
Ranger		803	19	0	0	0	13	41	0	0
Wright		2,134	105	216	75	141	91	41	30	19
Total AAC & LL		67,378	17,088	23,495	1,710	1,999	1,312	2,256	1,889	65
Total AAC & LL 7/1/40 to 9/15/42										
23,560 ^a										
GRAND TOTAL		139,142	32,578	39,531	3,501	3,705	4,058	4,252	4,319	1,261
GRAND TOTAL 7/1/40 to 9/15/42										
40,812 ^a										

Note: Estimates as of August 31, 1942, are based upon reports of naval inspectors, compiled and adjusted September 8, 1942.

* Includes Army Air Corps deliveries to September 1, 1942.

(a) Deliveries not yet reported.

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CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942

GENERAL

No improvement has been noted in the serious shortages of materials mentioned last week. Emphasis was placed at that time on the delays in aircraft production due to shortages of copper and copper alloys. With no report to the contrary, it is assumed that those situations still exist, supplemented by new threats as the result of unfilled steel orders. The seriousness of the aluminum situation, generally, is increased by the depletion of wire, rod and bar stocks and the expected shortage during the next 60 days of primary ingot because of Russian commitments and inadequate bauxite receipts from Surinam.

Other items that have become critical are cable terminals, Elastic stop nuts and fabric. The three producers of cable terminals, already handicapped with a considerable backlog of unfilled orders, offer a combined capacity barely equal to September's requirements of 1,100,000 terminals, which will be inadequate for 1943 requirements. Even the possible addition of John A. Roebling's Sons would not total up to the expected demands.

The recommendation has been made to prime contractors to contact Boots Aircraft Nut Corporation for possible substitutes for Elastic stop nuts. No definite progress has been reported, although it has been stated that such a situation would afford only temporary relief. Gang channel nuts are especially critical, to the extent that allocation of Elastic's output may become necessary. Current machine orders necessary to double Elastic's production have a No. 1 urgency rating, but it will be several months before complete deliveries will be obtained.

The replacement of 12 ounce cotton duck by grade A airplane fabric in protective covering specifications has placed new demands on fabric capacity. Present indications are that requirements will exceed capacity after 1942. However, it is stated that production can be increased if future studies warrant it.

RAW MATERIALS

It is reported that plans for the October melting schedule of steel will involve the recent suggestion of allocating electric furnace and open hearth capacities, along with finishing capacities, for the production of aircraft steels. Quotas for each service, determined by WFB and the ANMS, will be assigned to specific mills.

The omission of their steel requirements from August and September melting schedules has reduced the utility of Jacobs Aircraft, engine manufacturers; J. C. Joyce and Associates, producers of aircraft wrenches; and Hamilton Steel Company, warehouse and middleman for the aircraft industry.

In addition to the depleted stocks of aluminum wire, rod and bar, mentioned above, as the result of exhaustive demands, forging requirements are now being affected by the necessity of releasing bar stock for screw machine work. Extrusion presses have also been borrowed for bar stock. With additional capacity already reported necessary for tubing and castings, an analysis by a representative of the Aircraft Production Division, WFB, recently revealed serious deficits would be encountered in 1943 in aluminum sheet, extrusions, rod and bar.

The Light Metals Branch, Industrial Planning Section, reports it was recently decided that facilities should be provided for a monthly production of the following magnesium forgings and extrusions:

300,000 lbs. of small and medium pressed forgings,
180,000 lbs. of large pressed forgings,
815,000 lbs. of extrusions;

requiring the following equipment:

1 forging press of 20,000 tons,
10 to 15 forging presses from 1,500-5,000 tons,
16 extrusion presses from 2,000-3,000 tons,
1 extrusion press of 7,500 tons.

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942 (CONCLUDED)

TOOLS

Emphasis is being placed upon the necessity of prime and sub-contractors' filling out their machine tool status reports before assistance can be given in critical cases.

Production tools and small tools show considerable increases in the number of shortages reported the first week of September over those reported for the entire month of August.

The possible expansion of the Waterbury-Farrel Company's stud-producing machinery output was discussed recently to augment present facilities of stud manufacturers, now inadequate.

ENGINES AND ACCESSORIES

The Aircraft Scheduling Unit took steps to conserve the supply of bar stock by reducing the combined allocation of engine muffs from Alcoa to Pratt and Whitney, Ford and Nash-Kelvinator for August, September and October by 24,000 muffs, saving 500,000 pounds of metal. The suggestion was also made to schedule this item with cylinder heads in the future.

Aluminum forged piston ring allocations, based upon the 9-J Engine Capacity Chart plus 100% spares, were approved through the end of 1942. Tentative Holley carburetor allocations were also approved.

Letters of Intent issued to the Saco-Lowell Shops, Boston, Mass., call for the monthly production of \$500,000 worth of hardened and ground parts for Pratt and Whitney engines and \$1,000,000 worth of Bendix Type PD-12F2 carburetors. Both Letters cover a ten months' production period. International Business Machine Corp., Endicott, N.Y., has been issued a similar form for \$20,000,000 worth of hardened and ground parts for Wright engines:

PROPELLERS

The Aircraft Scheduling Unit approved the allocation of propeller blade forgings for October, November and December, 1942, based upon 10-J Initial Supplement.

FITTINGS

The need for additional turnbuckle barrel facilities, reported last week, is emphasized by the recorded findings of a requirements versus capacity study. The cumulative deficit as of September, 1943, is 2,510,929 barrels, allowing for 25% spares.

INSTRUMENTS

The recently approved capacity study of position indicators, based on 8-J Ultimate, revealed that both government and contractor furnished requirements would be met throughout the program.

A recent Letter of Intent valued at \$6,000,000 will bring International Business Machine Corp. into the production of 50,000 E-14 electrical tachometers complete with generators at a peak rate of 5,000 units per month.

MISCELLANEOUS

The procurement of 1,000 pounds of rivets, a month's supply, from various contractors has relieved the threatened delay in production of all Army and Navy planes at the Douglas, Santa Monica plant.

ORDNANCE

MONTHLY ACTUAL OR ESTIMATED PRODUCTION
Ammunition, Gun and Mount Assemblies
Calendar Year 1942

ITEM	A C T U A L P R O D U C T I O N								E S T I M A T E D P R O D U C T I O N				GRAND TOTAL CALENDAR YEAR 1942	
	January	February	March	April	May	June	July	August #	Total 1/1/42 to 9/1/42	September	October	November		December
AMMUNITION *														
16" A.P.	80	2,265	2,025	74	0	306	1,241	500	6,491	650	800	900	1,020	9,861
16" H.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	770
15" A.P.	0	0	1	0	0	0	0	0	1	0	165	0	0	166
15" H.E.	0	0	0	0	2	0	2	749	747	1,500	750	750	0	3,000
14" A.P.	0	0	871	133	0	13	3	60	1,080	200	400	510	510	2,700
14" H.C.	0	0	0	0	0	0	0	0	0	0	250	250	250	750
12" 50 A.P.	0	0	0	0	450	0	0	0	450	0	0	0	0	450
8" 55 A.P.	1,338	3,521	4,428	1,959	4,682	3,704	1,254	1,000	21,886	500	1,400	1,400	1,400	26,586
8" 55 H.C.	0	0	0	0	0	0	112	476	588	1,050	1,100	1,500	1,500	5,738
6" 53 Common	440	3,162	1,250	6,250	1,104	1,710	3,892	2,000	19,808	1,770	1,770	1,770	1,770	26,888
6" 47 H.C.	0	0	0	0	0	0	0	250	2,550	2,800	5,000	6,000	10,000	33,800
6" 47 Common and A.P.	0	0	0	0	2,578	453	6,112	8,000	15,466	5,000	5,000	5,000	5,000	35,466
5" 51 H.C.	0	0	0	0	0	0	0	0	0	0	0	2,500	2,500	7,500
5" 51 Illum.	0	0	1,200	1,272	2,372	0	60	0	4,904	0	0	0	0	6,000
5" 38 Common	3,025	3,025	765	0	7,490	6,189	3,954	0	24,448	1,000	4,000	5,000	10,000	44,448
5" 38 Illum.	233	3,880	6,819	3,364	3,067	5,990	1,800	5,000	30,153	10,000	12,000	12,000	12,000	76,153
5" 38 A.A.C.	7,000	21,000	27,000	50,000	34,000	38,000	70,000	70,000	317,000	80,000	100,000	150,000	150,000	797,000
5" 25 Illum.	900	600	0	511	555	0	0	0	2,366	500	1,000	1,800	1,800	7,466
5" 25 A.A.C.	11,000	2,000	5,000	20,000	4,000	2,000	13,000	10,000	67,000	10,000	15,000	15,000	20,000	127,000
4" 50 Common	5,501	13,568	14,847	2,450	13,755	1,900	8,501	9,000	69,472	10,000	10,000	10,000	10,000	109,472
4" 50 H.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	15,100
4" 50 Illum.	0	0	1,100	0	3,229	498	3,124	500	8,451	0	0	0	0	8,451
3" 50 Common and A.P.	8,398	26,526	3,126	17,558	20,158	21,632	34,854	50,000	182,252	60,000	60,000	60,000	60,000	422,252
3" 50 Illum.	5,000	2,379	6,388	10,547	12,037	17,809	14,728	20,000	88,888	25,000	30,000	30,000	30,000	203,888
3" 50 A.A.	30,000	22,000	50,000	30,000	41,000	14,000	36,000	50,000	273,000	100,000	150,000	200,000	250,000	973,000
3" 23 A.A.	0	7,000	11,000	3,000	6,000	5,000	7,000	10,000	49,000	14,000	14,000	14,000	14,000	105,000
4mm.	0	0	15,000	10,000	253,000	589,000	598,000	1,157,000	2,632,000	1,300,000	1,500,000	2,000,000	3,000,000	10,422,000
171 A.A.	644,000	1,169,000	770,000	714,000	663,000	783,000	955,000	0	6,998,000	1,500,000	2,000,000	2,000,000	2,000,000	14,498,000
20mm. H.E. and H.E.T.	2,366,000	2,973,000	3,860,000	5,410,000	4,430,000	7,477,000	13,308,000	15,674,000	55,498,000	17,000,000	23,000,000	30,000,000	35,000,000	260,498,000
GUN AND MOUNT ASSEMBLIES														
Triple Turrets	0	0	0	0	0	0	0	0	0	0	0	3	0	3
16" 50 Cal.	0	0	6	0	0	0	0	0	12	0	0	0	0	12
16" 45 Cal.	3	0	0	0	0	0	0	0	0	0	0	0	0	3
8" 55 Cal.	0	0	0	0	0	0	0	0	0	0	0	3	0	3
6" 47 Cal.	0	4	4	4	4	4	5	4	29	4	4	4	4	44
Anti-aircraft	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5" 38 Cal. Twin	17	10	12	18	10	19	15	10	111	14	11	15	25	176
5" 38 Cal. Single Base Ring	39	13	27	64	55	77	61	58	394	65	65	65	65	654
5" 38 Cal. Mod. Type B.H. **	0	0	0	0	0	0	11	11	22	25	25	35	40	147
5" 38 Cal. Single Pedestal	0	0	0	0	0	0	1	2	6	5	8	12	12	43
3" 50 Cal. D.P. Dry	123	125	134	178	201	248	272	181	1,472	220	290	290	330	2,562
3" 50 Cal. D.P. Wet	0	0	0	0	0	11	4	7	22	9	9	9	9	58
4mm. Twin	1	0	0	6	11	17	54	75	164	110	115	120	125	634
4mm. Quad.	0	0	0	1	7	15	18	21	62	35	40	50	50	237
171 Quad.	52	45	55	54	55	47	44	30	382	40	56	0	0	478
20mm.	602	772	1,416	2,150	2,636	2,948	3,138	3,267	16,929	3,185	3,200	3,275	3,450	30,039

* Preliminary.

* Sizes 5" 25 and smaller are expressed in complete rounds; larger sizes are expressed in terms of loaded and fused projectiles.

** Production of Modified Mounts during September and October dependent upon the assembly of hand wheel brackets by the Naval Gun Factory.

Production subsequent to October dependent upon the availability of complete gun mechanisms.

MONTHLY ACTUAL OR ESTIMATED PRODUCTION
Torpedoes and Bomb, Mine and Depth Charge Cases
Calendar Year 1942

ITEM	A C T U A L P R O D U C T I O N									E S T I M A T E D P R O D U C T I O N				GRAND TOTAL CALENDAR YEAR 1942
	January	February	March	April	May	June	July	August #	Total 1/1/42 to 9/1/42	September	October	November	December	
TORPEDOES <i>a/</i>														
Aircraft	57	25	1	82	139	269	265	138	936	153	224	263	339	1,915
Submarine	157	162	154	124	137	146	185	249	1,314	250	275	305	320	2,464
Surface Craft	0	0	9	81	115	29	14	4	252	16	6	0	0	274
BOMB CASES <i>b/</i>														
1600 lb. A.P. <i>c/</i>	80	125	429	599	564	1,302	1,405	1,570	6,074	1,400	1,400	1,400	1,500	11,774
1000 lb. A.P. <i>d/</i>	0	0	0	0	0	0	0	0	0	100	300	800	1,800	3,000
1000 lb. Gen. Purpose	1,620	2,400	3,480	4,170	4,029	4,287	4,753	4,361	29,100	4,000	4,000	5,000	5,000	47,100
650 lb. Anti-Sub <i>e/</i>	0	0	0	0	1,260	4,680	4,860	6,244	17,044	12,500	12,500	14,500	14,500	71,044
500 lb. Gen. Purpose	6,120	5,410	8,640	5,500	6,120	5,460	5,580	5,220	48,090	5,000	5,000	5,000	5,000	68,090
325 lb. Anti-Sub <i>f/</i>	9,114	6,174	9,889	9,702	10,878	11,750	12,974	16,784	87,265	17,000	17,000	17,000	17,000	155,265
100 lb. Gen. Purpose	3,024	14,920	10,044	7,840	4,172	6,706	7,332	3,238	57,276	10,000	10,000	10,000	10,000	97,276
100 lb. Incendiary	0	10,752	6,528	16,832	4,896	1,012	0	0	40,020	0	0	0	0	40,020
30 lb. Fragmentation <i>g/</i>	5,400	5,400	7,200	6,885	3,000	7,200	4,802	3,600	43,487	2,013	0	0	0	45,500
5 lb. A.A.	0	0	0	0	500	0	0	0	500	17,000	39,000	54,000	54,000	164,500
MINES <i>h/</i>														
Aircraft	500	500	700	500	500	703	661	222	4,286	775	1,100	1,250	1,300	8,711
Submarine	300	300	300	400	300	300	202	0	2,102	25	100	100	200	2,527
Surface Craft	1,049	2,500	3,000	4,000	5,000	6,036	0	0	21,585	0	2,000	3,000	3,000	29,585
DEPTH CHARGES <i>i/</i>														
600 lb.	741	437	2,651	2,982	3,067	3,235	6,000	2,779	21,872	3,000	3,000	3,000	3,000	33,872
300 lb.	4,351	6,536	10,085	12,478	7,549	11,720	12,932	5,887	71,536	12,000	12,000	12,000	12,000	119,538

a/ Complete, loaded and proved.

b/ Represents production on U.S. Navy contracts only. Additional 2,000 lb., 1,000 lb., 500 lb., 250 lb., and 100 lb., general purpose and 1,000 lb. semi-armour piercing bombs are under requisition from the Army. However, the Navy will continue manufacturing at the rates designated above until such time as deliveries from the Army are firmly established.

c/ Includes estimated production to meet certain U.S. Army requirements.

d/ To be replaced by 30# fragmentation bombs under requisition from the Army.

e/ Complete, loaded and assembled.

f/ Preliminary.

SELECTED AMMUNITION ITEMS - ACTUAL AND ESTIMATED PRODUCTION

Item	Actual Production		Estimated Production August	August Actual As Percent of Estimate
	July	August #		
COMPLETE ROUNDS				
16" A.P.	1,241	500	550	91
14" A.P.	3	60	100	60
8"/55 A.P.	1,254	1,000	2,500	40
6"/53 Common	4,232	2,000	1,770	113
6"/47 Common and A.P.	6,112	6,000	5,000	120
5"/51 Illum.	60	0	0	-
5"/38 Common	3,954	0	0	-
5"/38 A.A.C.	70,000	70,000	60,000	117
5"/38 Illum.	1,800	5,000	5,000	100
5"/25 A.A.C.	12,578	10,000	15,000	67
5"/25 Illum.	0	0	0	-
4"/50 Common	8,501	9,000	10,000	90
4"/50 Illum.	3,124	500	500	100
3"/50 Common and A.P.	35,000	50,000	50,000	100
3"/50 Illum.	14,728	20,000	20,000	100
3"/50 A.A.	36,000	50,000	50,000	100
3"/23 A.A.	6,550	10,000	10,000	100
THOUSANDS OF ROUNDS				
40 mm. A.A.	598	1,157	1,000	116
171 A.A.	955	1,300	1,500	87
20 mm. H.E. and H.E.T.	13,308	15,674	15,000	104

Preliminary data from Bureau of Ordnance.

SELECTED AMMUNITION ITEMS
Required Supply vs. Inventories, July 31 and December 31, 1942

Item	ACTUAL July 31, 1942			ESTIMATED December 31, 1942		
	Required Supply	On Hand	On Hand As Percent Of Required Supply	Required Supply	On Hand *	On Hand As Percent Of Required Supply *
16" A.P.	15,525	(a) 16,732	108%	17,550	(a) 20,222	115%
16" H.C.	3,105	0	0	3,510	735	21
14" A.P.	18,450	(b) 10,271	56	18,450	(b) 11,468	62
14" H.C.	4,590	0	0	4,590	648	14
12"/50 A.P.	4,050	2,340	58	4,050	2,230	55
8"/55 A.P.	34,875	29,522	85	34,875	35,752	103
8"/55 H.C.	6,975	112	2	6,975	4,447	64
6"/53 Common	79,650	(c) 37,540	47	79,650	(c) 44,180	55
6"/47 Common & A.P.	95,400	68,542	72	124,200	91,402	74
5"/51 H.C.	97,403	0	0	97,403	24,000	25
5"/51 Illum.	32,468	23,762	73	32,468	24,032	74
5"/38 Illum.	186,150	89,602	48	265,650	131,634	50
5"/25 A.A.C.	560,000	385,600	69	560,000	470,800	84
5"/25 Illum.	52,500	49,357	94	52,500	52,272	99
4"/50 Common	810,000	227,485	28	810,000	234,485	29
4"/50 H.C.	144,000	0	0	144,000	8,750	6
4"/50 Illum.	36,000	30,252	84	36,000	24,952	69
3"/50 Common & A.P.	1,021,000	168,000	16	1,656,000	411,000	25
3"/50 Illum.	204,120	70,811	35	331,200	189,396	57
3"/50 A.A.	2,672,000	480,000	18	4,365,000	819,000	19
3"/23 A.A.	420,000	72,111	17	420,000	102,311	24
40mm A.A.	2,260,000	1,336,000	59	9,929,000	5,640,000	57
171 A.A.	23,621,000	7,574,000	32	27,653,000	15,200,000	55
20mm H.E. & H.E.T.	141,350,000	22,536,000	16	326,823,000	61,513,000	19

* Defense Aid and Army requirements for the period 8/1/42 through 12/31/42, as stated in the MSR, Issue No. 2, have been deducted in computing the quantities shown in this column. If such requirements had not been deducted, "On Hand as Percent of Required Supply" for 4"/50 Illum., 40mm. and 20mm. would be 83 percent, 110% and 40% respectively; the percentage figures for other items affected would differ from those shown by only 3 points or less.

- (a) Excludes inventory of old type projectiles.
 (b) Excludes estimated inventory of old type projectiles.
 (c) Excludes estimated inventory of 6"/50 ammunition.

BUREAU OF ORDNANCE

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942

TORPEDOES

The situation is still very critical and action should be expedited as rapidly as possible. Immediate deficiencies of aerial and submarine types are curtailing operations against the enemy.

FUZES, MARK 17 AUX. DET.

Production is beginning to improve but the supply situation is still critical. Large quantities of fuzes for all AA ammunition from 3"/23 up are needed immediately for issue to combatant ships and a large quantity must be replaced. These fuzes are also necessary in the assembly of high capacity ammunition, urgently needed by the Fleet since it is particularly designed for the bombardment of shore positions.

ALUMINUM WIRE, RCD AND RAR

Situation is still critical. Bomb and projectile fuzes are affected by this item and are barely sufficient for actual needs. Any interruption in production would cause an acute situation.

MARK 14 SIGHTS

Situation is still critical. The OP&M has been requested to give continued aid in obtaining required machine tools, particularly Avery drill presses.

CARTRIDGE CASES FOR 20 mm. AMMUNITION

Inadequate supplies necessitate reduced issues to ships operating in areas subject to attack by hostile aircraft. Studies of brass and steel requirements are being prepared in collaboration with the OP&M.

5"/38 AND 3"/50 BREACH HOUSINGS

The 5" and 3" situations are similar as to nature, and are acute. It is impossible to furnish either 3" or 5" gun mounts to merchant ships. By October 1942 production will not be sufficient to arm newly constructed merchant ships. Major urgent requirements for machine tools for Fisher Body have been temporarily met by diversion from other Ordnance plants. Tools on order must, however, be provided in order that tools temporarily substituted will be available for other necessary purposes. Furthermore, additional facilities for machining breech housings are needed if requirements are to be filled. To date, the Bureau has been unable to find additional sources that could begin production with few if any additional machine tools and the assistance of the OP&M in developing such sources has been requested.

COPPER AND BRASS

Reduction in the ammunition supply of important AA weapons is caused by the shortage of these items. The Bureau of Ordnance is continuing close cooperation with the Army and brass mills to obtain balanced production.

BALL BEARINGS FOR BOMBSIGHTS

Still critical.

FUZES, MARK 28

The shortage of fuzes not only threatens adequacy of supply of 6"/47, 5"/38 and 5"/25 anti-aircraft common ammunition, but also affects the assembly of high capacity ammunition urgently needed by the Fleet. The production of Mark 28 fuzes at Lion Manufacturing Co. can not get under way until delivery of gages on order from Kobe, Inc. and screw machine accessories from the Gridley Machine Division of the New Britain Machine Co. is made. The assistance of the OP&M has been requested in obtaining deliveries of these materials.

SUPPLIES & ACCOUNTS

SUPPLIES & ACCOUNTS

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AVIATION GASOLINE SUPPLY - NAVY YARDS AND STATIONS

Navy Yard or Station	On Hand August 31, 1942 (gallons)	Issued Month Ended August 31, 1942 (gallons)	Number of Months Supply On Current Issue Basis
<u>East Coast</u>	<u>17,067,137</u>	<u>11,214,222</u>	<u>1.5</u>
Argentia, Newf.	307,542	279,726	1.4
Melville, R.I.	34,914	101,951	.3
Quonset Point, R.I.	809,291	251,021	3.2
Philadelphia, Pa.	107,094	108,321	1.0
Lakehurst, N.J.	15,522	50,548	.3
Bayonne, N.J.	7,499,516	3,190,156	2.3
Annapolis, Md.	20,810	7,361	2.8
Anacostia, D.C.	58,632	136,497	.4
Norfolk, Va. (NAS)	51,058	1,228,789	.04
Norfolk, Va. (NSD) (Leased)	1,392,808	475,924	3.
Norfolk, Va. (Craneys Is.)	586,939	2,399,430	.2
Yorktown, Va.	5,096,850	35,237	144.6
Charleston, S.C.	800	0	-
Jacksonville, Fla.	903,729	1,354,245	.7
Miami, Fla.	101,632	1,595,016	.06
<u>Gulf Coast</u>	<u>1,955,152</u>	<u>4,761,301</u>	<u>.4</u>
Key West, Fla.	207,204	288,617	.7
Pensacola, Fla.	747,228	1,911,323	.4
Corpus Christi, Tex.	1,000,720	2,561,361	.4
<u>West Coast</u>	<u>3,737,916</u>	<u>1,916,417</u>	<u>1.9</u>
San Diego, Calif.	669,543	1,369,991	.5
San Clemente Island	70,186	141	497.8
Alameda, Calif.	254,350	138,040	1.8
Tongue Point, Oreg.	473,071	8,250	57.3
Seattle, Wash. (NAS)	370,119	141,376	2.6
Puget Sound, Wash.	1,900,647	258,619	7.3
<u>West Indies & Canal Zone</u>	<u>5,096,701</u>	<u>1,126,160</u>	<u>4.5</u>
Guantanamo, Cuba (NAS & NOB)			
(NAS & NOB)	1,426,373	357,856	4.0
St. Thomas, V.I.	164,021	35,455	4.6
San Juan, P.R.	474,475	91,331	5.2
Bermuda (NAS)	640,717	198,591	3.2
Trinidad	143,085	75,597	1.9
Canal Zone	2,248,030	367,330	6.1
<u>Hawaii</u>	<u>14,750,029</u>	<u>1,931,781</u>	<u>3.8</u>
Pearl Harbor (Commercial)	8,309,028	1,088,976	7.6
Pearl Harbor (NAS)	2,574,768	1,634,472	1.6
Kaneohe Bay, T.H.	2,508,912	625,022	4.0
Midway Island	465,300	418,097	1.1
Johnston Island	135,411	68,709	2.
Maui, T.H.	756,610	96,507	7.8
<u>Alaska</u>	<u>1,373,122</u>	<u>663,436</u>	<u>2.1</u>
Kodiak	712,028	326,158	2.2
Sitka	267,209	37,493	7.1
Dutch Harbor	393,885	299,785	1.3
GRAND TOTAL	43,980,057	23,613,319	1.9

SUPPLIES & ACCOUNTS

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MOTOR GASOLINE SUPPLY - NAVY YARDS AND STATIONS

Navy Yard or Station	On Hand August 31, 1942 (gallons)	Issued Month Ended August 31, 1942 (gallons)	Number of Months Supply On Current Issue Basis
<u>East Coast</u>	<u>7,034,822</u>	<u>2,486,641</u>	<u>2.8</u>
Portsmouth, N.H.	12,218	46,173	.3
Boston, Mass.*	-	-	-
Malville, R.I.	9,308	4,463	2.1
Quonset Point, R.I.	0	28,352	-
Newport, R.I.			
(Torpedo Station)	2,758	37,536	.07
New London, Conn.	328	22,180	.01
New York, N.Y. (Navy Yard)	9,170	206,500	.04
Bayonne, N.J.	3,389	63,515	.05
Lakehurst, N.J.	1,539	42,563	.04
Philadelphia, Pa.	15,586	119,264	.1
Annapolis, Md.	23,238	38,666	.6
Anacostia, D.C.	6,373	24,072	.3
Norfolk, Va. (Navy Yard)	1,543	64,041	.02
Norfolk, Va. (NSD)	5,897,645	1,157,275	5.1
Norfolk, Va. (NAS)	6,240	39,875	.2
Norfolk, Va. (Craney Is.)	1,001,363	447,368	2.2
Charleston, S.C.	28,557	38,873	.7
Jacksonville, Fla.	1,540	57,516	.03
Miami, Fla.	14,027	48,409	.3
<u>Gulf Coast</u>	<u>5,299</u>	<u>158,998</u>	<u>.03</u>
Pensacola, Fla.	5,299	114,650	.05
Corpus Christi, Tex.	0	44,348	-
<u>West Coast</u>	<u>900,259</u>	<u>568,983</u>	<u>1.6</u>
San Diego, Calif. (NAS)	2,823	93,275	.03
San Diego, Calif. (NSD)	23,196	313,238	.07
San Clemente Island	69,152	19,981	3.5
Alameda, Calif.	0	17,688	-
Seattle, Wash.	75	125	.6
Puget Sound, Wash.	805,013	124,676	6.5
<u>West Indies & Canal Zone</u>			
Guantanamo, Cuba	120,929	70,484	1.7
<u>Hawaii</u>	<u>62,203</u>	<u>68,063</u>	<u>.9</u>
Midway Island	56,001	44,763	1.3
Johnston Island	5,854	16,582	.4
Maui, T.H.	348	6,718	.05
<u>Alaska</u>	<u>482,633</u>	<u>187,824</u>	<u>2.6</u>
Kodiak	4,396	14,233	.3
Sitka	44,211	32,273	1.4
Dutch Harbor	434,026	141,318	3.1
GRAND TOTAL	8,606,145	3,540,993	2.4

* Report not available.

SUPPLIES & ACCOUNTS

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FUEL OIL SUPPLY - NAVY YARDS AND STATIONS

Navy Yard or Station	On Hand August 31, 1942 (barrels)	Issued Month Ended August 31, 1942 (barrels)	Number of Months Supply on Current Issue Basis
<u>East Coast</u>	<u>2,472,220</u>	<u>974,279</u>	<u>2.5</u>
Casco Bay, Portland, Me.	91,542	30,388	2.5
Portsmouth, N.H.	121,246	13,289	9.1
Boston, Mass. *	-	-	-
Melville, R.I.	168,841	22,903	7.4
New London, Conn.	2,802	9,231	.3
New York, N.Y. (leased)	552,904	1,018	543.1
Lakehurst, N.J.	3,074	875	3.5
Yorktown, Va.	627,776	1,209	519.2
Norfolk, Va., Fuel Annex			
Craney Island	730,084	669,654	1.1
Norfolk, Va. (NSD)	126,870	202,864	.6
Charleston, S. C.	47,081	16,848	2.8
<u>Gulf Coast</u>	<u>94,170</u>	<u>62,691</u>	<u>1.5</u>
Key West, Fla.	42,530	60,719	.7
Pensacola, Fla.	51,640	1,972	26.2
<u>West Coast</u>	<u>692,616</u>	<u>207,520</u>	<u>3.3</u>
San Diego, Calif.	442,815	100,944	4.4
Puget Sound, Wash.	160,012	44,808	3.6
Seattle, Wash.	89,789	61,768	1.5
<u>West Indies & Canal Zone</u>	<u>994,460</u>	<u>158,194</u>	<u>3.8</u>
Bermuda	60,292	26,036	2.3
Guantanamo, Cuba	254,576	64,469	3.9
Cristobal, C.Z.	279,592	67,689	4.1
Trinidad **	-	-	-
<u>Hawaii</u>	<u>4,114,719</u>	<u>426,501</u>	<u>9.6</u>
Midway Island	84,531	6,754	12.5
Pearl Harbor, T.H.	4,030,188	** 419,747	9.6
<u>Alaska</u>	<u>81,082</u>	<u>130,016</u>	<u>.6</u>
Kodiak	12,772	101,711	.1
Sitka	37,447	4,227	8.9
Dutch Harbor	30,863	24,078	1.3
GRAND TOTAL	8,049,267	1,959,201	4.1

* Report not available.

** Includes 963,829 barrels topped crude oil.

DIESEL OIL SUPPLY - NAVY YARDS AND STATIONS

Navy Yard or Station	On Hand August 31, 1942 (barrels)	Issued Month Ended August 31, 1942 (barrels)	Number of Months Supply on Current Issue Basis
<u>East Coast</u>	<u>70,781</u>	<u>104,959</u>	<u>.7</u>
Portsmouth, N.H.	1,627	720	2.3
Boston, Mass. *	-	-	-
Melville, R.I.	310	446	.7
New London, Conn.	3,304	7,953	.4
Norfolk, Va., Fuel Annex.			
Crane Island	40,507	86,318	.5
Norfolk, Va. (NSP)	25,033	9,522	2.6
Charleston, S.C.	0	0	-
<u>Gulf Coast</u>			
Key West, Fla.	14,407	18,072	.8
<u>West Coast</u>	<u>40,437</u>	<u>14,707</u>	<u>2.7</u>
San Diego, Calif.	17,424	3,363	5.2
Puget Sound, Wash.	23,013	11,344	2.0
<u>West Indies & Canal Zone</u>	<u>116,840</u>	<u>27,615</u>	<u>4.2</u>
Bermuda	1,031	5,681	.1
Guantanamo, Cuba	24,014	7,425	3.2
St. Thomas, V.I.	18,032	1,112	16.2
Coco Solo, C.Z.	73,763	9,397	7.8
<u>Hawaii</u>	<u>94,426</u>	<u>22,454</u>	<u>4.2</u>
Pearl Harbor	67,682	46,428	1.5
Midway Island	21,864	4,312	5.1
Johnston Island	4,880	1,744	2.8
<u>Alaska</u>	<u>63,117</u>	<u>20,506</u>	<u>3.1</u>
Kodiak	24,316	5,755	2.8
Sitka	13,608	2,335	5.8
Dutch Harbor	25,193	9,419	2.7
GRAND TOTAL	400,008	238,346	1.7

* Report not available.

MEDICINE & SURGERY

BUREAU OF MEDICINE AND SURGERY

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942

THERMOMETERS

Situation is unchanged from last week.

UNITS, DEVELOPING, COMPLETE, WITH REFRIGERATED WATER COOLER

No change from last week.

TABLES, OPERATING, SMALL FOLDING

Although deliveries have commenced with the receipt of 35 tables out of 240 due, back orders still exceed 300, and they are urgently needed.

STERILIZERS, AUTO CLAVE FIELD

No deliveries yet received, but are promised to commence in two weeks. Other manufacturers are being contacted.

STRETCHERS, WHEEL WITH DETACHABLE LITTER TOP AND PAD

Because of failure to deliver, as outlined last week, purchase against account has been initiated.

TABLE, OPERATING, LARGE, COMPLETE

Of 100 due on September 8, on total order for 500, none have been delivered. The contractor, Shampaine Co., St. Louis, Mo., will advise shortly regarding definite delivery dates and amounts. Item is urgently needed.

U. S. COAST GUARD

U. S. COAST GUARD

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PROCUREMENT STATUS OF SELECTED COAST GUARD ITEMS*

Item	Total Re- quired as	Status of 1942 Required Deliveries**						Monthly Deliveries			
		Deliveries			Deliveries, as Percent of Total Required			Actual		Estimated	
		Actual 1/1 to 7/31	Esti- mated 7/1 to 12/31	Total Year	Actual 1/1 to 7/31	Esti- mated for Year		Jun	Jul	Jul 8	Aug
							0 20 40 60 80 100				
26' Monom Life Boats	303	82	190	272	27%	90%		7	0	30	40
83' Cutters	81	27	40	67	33	83		0	7	6	10
Modification Kits to Convert JK-9 to TBE	105	0	46	86	0	82		0	0	0	12
Trans Receivers (small boats) TBC-120	1,500	39	1,111	1,150	3	77		0	39	25	111
Analyzer MM-115	270	48	160	208	18	77		0	0	35	0
Radio Transmitters (buoy blackout) TBC-116A	24	4	14	18	17	75		0	0	0	0
Alarm Service Ships and Shore LSR-635	117	0	87	87	0	74		0	0	0	0
Direction Finders, (83' patrol) DAE	169	0	124	124	0	73		0	0	0	0
Transmitters Power Amplifier Ships and Shore LSR-520	62	0	36	36	0	58		0	0	0	0
Trans Receivers (small boats) TBC-109	2,720	937	583	1,520	34	56		201	81	144	63
30' Steel Fire Boats	101	0	57	57	0	56		0	0	1	1
Overcoats	100,000	0	51,000	51,000	0	51		0	0	0	3,000
Microvolter	180	20	10	10	0	50		0	0	0	0
Listening Equipments (THERAS)	1,173	0	500	500	0	43		0	0	0	24
Trans Receivers (small boats) TBC-121	300	0	105	105	0	35		0	0	0	20
Gun Sights Mark 14	32	0	9	9	0	28		0	0	0	0
Echo Ranging Equipment (TBE)	200	0	50	50	0	25		0	0	0	6
Echo Ranging & Sounding (WEA-1)	200	0	16	16	0	8		0	0	0	0
S.M.D. Equipment	380	0	30	30	0	8		0	0	0	1

* Includes all items shown in MSR on which there have been deliveries of less than 35% of 1942 requirements and on which deliveries for the year (estimated for last five months) may not equal requirements.

** Includes past requirements unfilled as of August 1, 1942.

§ Estimated in MSR as of June 30, 1942, Issue No. 1.

CONFIDENTIAL

MONTHLY ACTUAL OR ESTIMATED COMPLETIONS
Vessels - Coast Guard
Calendar Year 1962

ITEM	A C T U A L C O M P L E T I O N S									E S T I M A T E D C O M P L E T I O N S*				GRAND TOTAL CALENDAR YEAR 1962
	January	February	March	April	May	June	July	August	Total 1/1/62 to 9/1/62	September	October	November	December	
<u>Collars</u>														
83' Class	4	5	6	4	1	0	7	10	37	10	12	12	12	83
<u>Ice Breakers</u>														
110' Greenland	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<u>Tenders</u>	0	0	0	0	0	0	0	0	0	2	4	1	2	11
230' Class	0	0	0	0	0	0	0	0	0	1	0	0	0	1
180' Class	0	0	0	0	0	0	0	0	0	2	3	1	1	7
113' Class	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100' Class	0	0	0	0	0	0	0	0	0	0	1	0	1	2
<u>Tugs</u>														
110' Class	0	0	0	0	0	0	0	0	0	0	0	2	0	2
<u>Miscellaneous</u>	0	0	0	0	0	0	1	0	1	0	0	1	0	2
Floating Drydock	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Triple Screw River Towboat and Ice Flow	0	0	0	0	0	0	0	0	0	0	0	1	0	1
GRAND TOTAL	4	5	6	4	1	0	8	10	38	13	16	16	16	99

* Estimated completion dates are the best estimates of the U.S. Coast Guard.

~~CONFIDENTIAL~~

U. S. COAST GUARD

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PROGRESS REPORT OF COAST GUARD RESERVE AND PURCHASED VESSELS
FOR ANTI-SUBMARINE OPERATIONS

Area	Aug 15 1942	Aug 23 1942	Aug 31 1942	Sep 8 1942	Sep 15 1942	Increase For Period Aug 15 to Sep 15
<u>Eastern Sea Frontier</u>	<u>278</u>	<u>299</u>	<u>323</u>	<u>346</u>	<u>354</u>	<u>77</u>
On Patrol Duty	186	203	214	239	239	53
Under Preparation	92	96	109	107	116	24
<u>Gulf Sea Frontier</u>	<u>269</u>	<u>232</u>	<u>238</u>	<u>215</u>	<u>226</u>	<u>57</u>
On Patrol Duty	173	199	205	209	217	44
Under Preparation	96	133	133	106	119	23
Total on Patrol Duty	359	402	419	448	456	97
Total Under Preparation	188	229	242	213	235	47
GRAND TOTAL	547	631	661	661	691	144

U. S. COAST GUARD

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942

CABLE

See same item last issue. Needed by Hanley Engineering Service in order to complete the construction of fire boats on schedule. Delivery date of General Cable Company of Bridgeport is still not satisfactory. At present time trying to borrow some from Yard at Curtis Bay to tide them over.

RIGGING BLOCKS

See same item last issue. Bottleneck with Boston and Lockport, Inc. due to preponderance of orders on hand is holding up delivery to the Zenith Dredge and Marine Iron and Ship Co. Industry and Cooperations Divisions (O.P.M.) of Navy is assisting in the matter.

FIREFIGHTING EQUIPMENT

Still critical and serious. No material change in situation reported for the past two months. Ensign Tilford, USN, working with CO, Fire Extinguisher and Walter Kidde Co. to get definite delivery dates.

ANCHOR CHAINS

See same item last issue. Efforts have been made to find a substitute manufacturer capable of handling order but to date no success. It will probably be necessary to request an AAA rating.

HEAT EXCHANGERS

Sterling Engine is in need of 305 of these from the Ross Heater Manufacturing Co. of Buffalo, N.Y. A directive will be necessary in order to get a release of the materials needed in time. The matter has been taken up with WPB and is awaiting their advice.

IRON HOUSE GAS ENGINES

Radio Engineering Section requests a manufacturer to take care of an order involving 1,500 engines. Lieut. Barretter of the Navy is working on this problem. An investigation of Johnson Motor Co. would reveal whether or not the order could be taken care of by them, or should be placed with Briggs and Stratton, Milwaukee, manufacturers of a similar product.

BOILERS

The Yard, Curtis Bay, Maryland, has an order for a boiler placed with Frarr and Trefts, Inc., Buffalo, New York, on which they would like to have delivery some time in November. Fire boat material has been ordered from Jones and Laughlin, Pittsburgh, and it appears that the best delivery date forthcoming from them is some time in November. It is imperative that the delivery date be improved or the order be placed elsewhere. Commander Kurfess' office (Procurement and Material) is working on a steel order and Coast Guard is hopeful that the desired material can be made available in order that the boiler can be installed before winter sets in.

FACILITIES

FACILITIES

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NAVY CONSTRUCTION PROGRAM

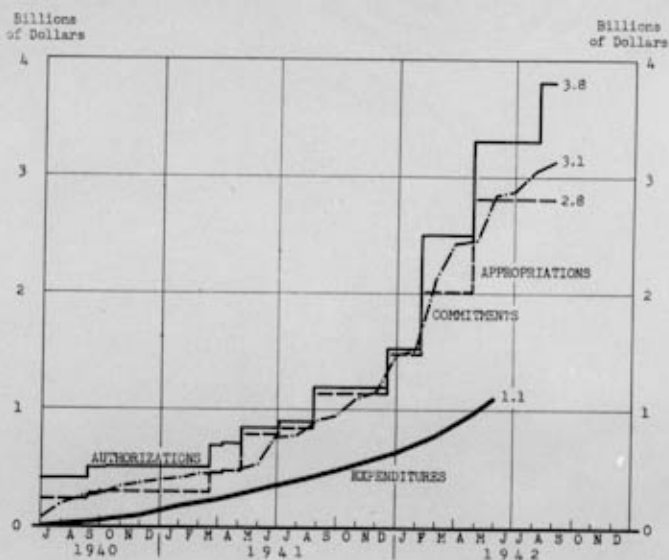
As of the end of August, the total construction program of the Navy, exclusive of Coast Guard, amounted to more than \$8 billion. The following breakdown shows the amount of the program authorized for each of the major Bureaus, the amount financed by Lend-Lease allocations, and the portion financed by all other authorizations and allocations:

Bureau	Plant Expansion (millions)	All Other (millions)	Total (millions)
Yards and Docks	126	3,676	3,802
Ships	2,315	5	2,320
Ordnance	706	15	721
Aeronautics	625	21	646
Lend-Lease	176	146	322
All Other (a)	0	266	266
Total	3,948	4,129	8,077

(a) As of July 31, 1942.

The chart below shows the construction program authorized under the appropriation title "Public Works, Bureau of Yards and Docks".

PUBLIC WORKS - BUREAU OF YARDS AND DOCKS



FACILITIES

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BUREAU OF YARDS AND DOCKS

CRITICAL ITEMS - WEEK ENDED SEPTEMBER 12, 1942

The situation in copper is particularly critical because of the fact that sufficient copper is not available by allocation, and deliveries on certain orders must necessarily be delayed.

The Bureau is still having the most difficulty in procuring steel items, electrical equipment, construction equipment, machine tools, lumber and copper.

PERSONNEL

STATUS OF AVIATION FLIGHT TRAINING PROGRAM
As of August 31, 1942

Type of Training and School	Under Instruction July 31	Entered During August	Dropped During August	Graduated During August	Under Instruction August 31
<u>Pre-Flight</u>	<u>3,905</u>	<u>1,504</u>	<u>25</u>	<u>476</u>	<u>4,908</u>
North Carolina	1,096	373	5	238	1,226
Iowa	1,100	376	5	238	1,233
Georgia	853	380	11	-	1,222
St. Mary's	856	375	4	-	1,227
<u>Primary Flight</u>	<u>3,051</u>	<u>950</u>	<u>178</u>	<u>635</u>	<u>3,192</u>
Anacostia	335	101	20	70	346
Boston	260	32	16	51	275
Chicago	245	78	4	10	309
Dallas	395	123	32	99	387
Gardner	192	72	18	30	216
Los Alamitos	249	74	10	88	225
Minneapolis	188	60	18	57	173
New Orleans	363	84	34	82	331
Oakland	280	100	12	58	310
Pasco	130	50	3	19	158
Philadelphia	120	30	3	24	123
St. Louis	298	96	8	47	339
<u>Intermediate Flight</u>	<u>5,500</u>	<u>719</u>	<u>163</u>	<u>918</u>	<u>5,138</u>
Pensacola	1,443	153	42	239	1,315
Jacksonville	1,420	207	38	230	1,359
Corpus Christi	2,526	359	80	416	2,389
Lakehurst*	111	0	3	33	75
GRAND TOTAL	12,460	3,173	366	2,029	13,238

* Lighter-than-air training only.

PERSONNEL

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PROGRESS OF AVIATION CADET PILOT TRAINING PROGRAM *
August 1941 through August 1942

Month	Entered		Dropped		Graduated		Under Instruction End of Month
	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative	
August 1941	606	-	91	-	272	-	3,748
September	596	1,202	87	178	304	576	3,953
October	999	2,201	117	295	287	863	4,548
November	610	2,811	123	418	389	1,252	4,646
December	619	3,430	149	567	372	1,624	4,744
January 1942	931	4,361	104	671	353	1,977	5,146
February	678	5,039	155	826	459	2,416	5,230
March	720	5,759	102	928	607	3,023	5,252
April	1,223	6,982	148	1,076	531	3,554	5,786
May	831	7,813	95	1,171	678	4,232	5,844
June	842	8,655	175	1,346	805	5,037	5,707
July	812	9,467	176	1,522	843	5,880	5,500
August	719	10,186	163	1,685	918	6,798	5,138

* Since August 1942 designated as the Intermediate Flight Training Program.

PERSONNEL

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ESTIMATED AVAILABILITY OF NEW LINE OFFICERS, GENERAL AND SPECIAL SERVICE (EXCEPT AVIATION PILOTS)

June 30, 1942 Through June 30, 1943

Line Officers	1942						1943						7/1/42- 6/30/43 Total
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
GENERAL SERVICE	-	972	1,747	1,170	900	1,990	1,280	1,453	2,148	1,133	1,613	3,463	19,869
<u>Naval R.O.T.C., D-V(G)</u>													537
<u>U.S. Naval Academy, Regulars</u>													673
<u>V-7 Program</u>	-	922	255	1,170	900	1,990	1,280	1,120	1,815	800	1,280	1,920	13,502
New York - Columbia, D-V(G)		238	-	720	-	1,090	-	720	1,015	-	-	720	4,503
Prairie State, D-V(G)		232	-	337	-	-	-	200	-	-	-	200	969
Prairie State, E-V(G)		195	-	113	-	-	-	200	-	-	-	200	708
Northwestern, D-V(G)		307	-	-	900	900	-	-	800	800	-	800	4,507
Notre Dame, D-V(G)			-	-	-	-	1,040	-	-	-	1,040	-	2,080
U.S.N.A., E-V(G)			255	-	-	-	240	-	-	-	240	-	735
<u>V-11 Program</u>													
Cornell, D-V(G)		-	-	-	-	-	-	333	333	333	333	333	1,665
<u>Warrant Officers & Enlisted Men</u>													
(Appointed as Comm. Officers)			3,492	-	-	-	-	-	-	-	-	-	3,492
SPECIAL SERVICE	402	2,738	1,788	1,945	3,933	3,374	3,649	5,942	3,774	4,962	3,649	6,067	42,223
<u>Indoctrination Schools</u>		3,185	1,000	1,110	1,000	1,500	2,700	1,100	2,700	1,100	2,700	1,100	26,195
A-V(S), D-V(S), E-V(S), I-V(S), D-V(S)													
Arizona						500	500	500	500	500	500	500	3,500
Cornell		500	-	-	400	-	-	-	-	-	-	-	900
Dartmouth			1,000	-	1,000	-	1,000	-	1,000	-	1,000	-	5,000
Fort Schuyler		360	-	360	-	2,250	-	1,850	-	1,850	-	1,850	6,520
Harvard		575	-	-	400	-	-	-	-	-	-	-	975
Newport					1,200	-	1,200	-	1,200	-	1,200	-	4,800
Quonset Point, A-V(S) only		750	-	750	-	750	-	750	-	750	-	750	4,500
<u>Training Schools (Incl. Indoctrination)</u>	302	453	688	735	833	1,774	849	1,649	974	1,762	849	1,774	12,642
<u>Amphibian Forces and Anti-Submarine</u>													
Princeton, D, S or O-V(S)						800	-	800	-	800	-	800	3,200
<u>Armed Guard</u>													
Boston, D-V(S)	90	90	180	180	180	180	180	180	180	180	180	180	1,980
Treasure Island, D-V(S)	45	45	54	54	54	54	54	54	54	54	54	54	630
<u>Aviation Engineers</u>													
Pratt & Whitney, A-V(S)		26	15	15	15	15	15	15	15	15	15	15	176
<u>Aviation Schools</u>													
Alameda, A-V(S)			25	-	-	25	-	-	25	-	-	25	100
Corpus Christi, A-V(S)			25	-	-	25	-	-	25	-	-	25	100
Lakehurst, A-V(S)			25	-	-	25	-	-	25	-	-	25	100
Norfolk, A-V(S)			25	-	-	25	-	-	25	-	-	25	100
Pensacola, A-V(S)			25	-	-	25	-	-	25	-	-	25	100
<u>Communications</u>													
Noroton, D-V(S)	64*	83*	103*	100	100	100	100	100	100	100	100	100	1,150
Los Angeles, D-V(S)	28*	36*	35*	50	50	50	50	50	50	50	50	50	549
U.S. Naval Academy, C-V(S or I)	50*	-	-	-	-	-	-	-	-	113	-	-	163
Harvard, C-V(S or I)					235*	250	250	250	250	250	250	250	1,985
M.I.T. (Preliminary Training at Harvard or Bowdoin)													
Radio Engineering, C-V(SORX)	25*	23*	32*	36*	49*	50	50	50	50	50	50	50	515
<u>Local Defense</u>													
Boston, D-V(S)		89*	80*	160	80	80	80	80	80	80	80	80	969
Treasure Island, D-V(S)		61*	64*	140	70	70	70	70	70	70	70	70	825
<u>WAVES, V-2</u>							1,093					1,093	2,186
Mr. Holyoke, W-V(S)								285					570
Smith, W-V(S)								808					1,616
<u>Direct Sources</u>													
Officers certified direct to Billets	100	100	100	100	100	100	100	100	100	100	100	100	1,200
TOTAL GENERAL AND SPECIAL SERVICE	402	3,710	5,535	3,115	4,833	5,364	4,929	7,395	5,922	6,095	5,262	9,530	62,092

Notes: General Service output figures are based on: 20% attrition for V-7 program; experience for N.R.O.T.C. and U.S.N.A.; sufficient number to assure output for V-11; and selected number of Warrant Officers and enlisted men.

Special Service output figures are based on the following attrition rates: Indoctrination Schools, none; Special Training Schools, none; Waves, 5%.

* Actual output or actual size of class.

PERSONNEL

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WEEKLY ENLISTMENTS - MARINE CORPS AND COAST GUARD
 Week Ended September 12, 1942

Item	Marine Corps			Coast Guard*
	Regular	Reserve	Total	
First Enlistments				
Week Ended August 22	156	3,513	3,669	2,982
Week Ended August 29	105	4,413	4,518	3,159
Week Ended September 5	126	3,211	3,337	3,676
Week ended September 12	81	4,525	4,606	4,309
Reenlistments				
Week Ended August 22	54	76	130	0
Week Ended August 29	50	94	144	0
Week Ended September 5	58	101	159	0
Week Ended September 12	66	112	178	0
Totals				
Week Ended August 22	210	3,589	3,799	2,982
Week Ended August 29	155	4,507	4,662	3,159
Week Ended September 5	184	3,312	3,496	3,676
Week Ended September 12	147	4,637	4,784	4,309
Percent Increase in Total Enlistments 9/5 to 9/12				
	-20.1	40.0	36.3	19.4

* All enlistments are in the Reserve.

PERSONNEL

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SEMI-MONTHLY ENLISTMENTS - NAVY ONLY

Type of Enlistment	Regular		Reserve		Total		Percent Increase Aug 1-15 to Aug 16-31
	Aug 1-15	Aug 16-31	Aug 1-15	Aug 16-31	Aug 1-15	Aug 16-31	
<u>FIRST ENLISTMENTS</u>	<u>3,236</u>	<u>3,855</u>	<u>23,870</u>	<u>45,119</u>	<u>27,106</u>	<u>48,974</u>	<u>32.0</u>
Apprentice Seaman	3,167	3,734	19,047	26,605	22,214	30,339	36.6
Mess Attendant	60	119	487	565	553	684	23.7
Rated	2	1	8,612	9,738	8,614	9,739	13.1
Non-Rated	1	1	5,724	8,211	5,725	8,212	43.4
<u>REENLISTMENTS</u>							
Broken Service	<u>51</u>	<u>60</u>	<u>276</u>	<u>346</u>	<u>327</u>	<u>406</u>	<u>24.2</u>
<u>OFFICER CANDIDATES</u>			<u>2,251</u>	<u>2,896</u>	<u>2,251</u>	<u>2,896</u>	<u>28.7</u>
V-1, College Students	-	-	361	527	361	527	46.0
V-5, Aviation Cadets	-	-	1,507	1,937	1,507	1,937	28.5
V-7, Midshipmen	-	-	383	432	383	432	12.8
GRAND TOTAL	3,287	3,915	26,397	48,361	29,684	52,276	31.7

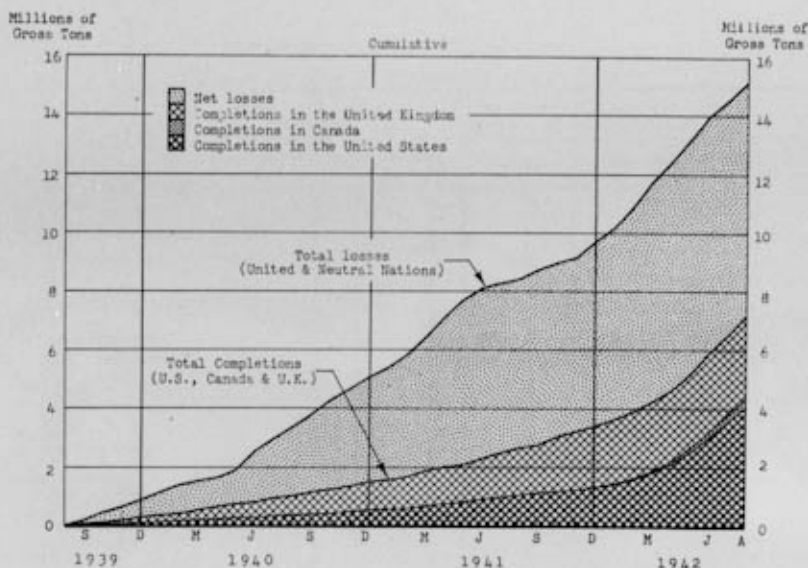
Note: Number of men on inactive duty, but under jurisdiction of recruiting stations was 23,567 on July 31; 25,816 on August 15; and 31,094 on August 31.

MISCELLANEOUS

MISCELLANEOUS

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MERCHANT MARINE COMPLETIONS AND LOSSES OF THE UNITED & NEUTRAL NATIONS



By Months

Month	Completions - Gross Tons				Losses - Gross Tons			Net Loss (-) or Net Gain (+) Gross Tons
	United States	United Kingdom	Canada	Total	War Losses	Ordinary Marine hazards	Total	
1942								
January	130,851	87,147	7,128	225,126	410,455	83,727	500,182	-275,056
February	185,524	64,114	7,129	256,767	669,894	30,365	700,259	-443,492
March	193,952	112,676	7,127	313,755	774,744	33,000	807,746	-493,991
April	266,738	117,721	42,776	427,235	642,365	29,523	671,888	-244,653
May	416,280	122,727	35,641	574,648	713,587	14,224	727,811	-153,163
June	493,064	83,772	57,048	633,884	843,635	5,305	848,940	-215,056
July	524,315	88,665	64,204	677,184	613,257	594	613,851	+63,333
August	499,355	108,890	71,385	679,630	574,205	27,699	601,904	+77,726
TOTAL 1942	2,710,079	785,712	292,438	3,788,229	5,248,142	224,439	5,472,581	-1,684,352

Source: ONI

Navy - OP & M

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MISCELLANEOUS

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SHIPBUILDING PROGRAM - U.S. MARITIME COMMISSION
Summation of Contracts and Progress as of August 31, 1942

Type of Vessel	Completed thru Aug 31, 1942	New Construction on Order Status as of August 31, 1942			
		Not Yet on Ways	On Ways	Launched	Total
Passenger	1	0	0	0	0
C1	40	32	15	19	66
C2	42	102	13	15	130
C3	19	71	15	14	100
H1	0	22	17	11	50
C4	0	25	5	0	30
C3 Pass. & Cargo	14	0	3	1	4
L.S.T. Craft	0	28	22	0	90
Concrete Barges	0	25	8	0	33
CI-S-D1 Barges	0	24	0	0	24
R3 Barges	0	22	11	0	33
B5 Barges	0	6	0	0	6
V2 Tugs	2	0	6	18	24
V4 Tugs	0	20	13	5	38
L6 Ore Carriers	0	8	8	0	16
Pass. and Cargo (Misc. Shipping)	4	0	1	1	2
Cargo					
American Export	12	4	2	0	6
Seas Shipping	6	0	0	0	0
Alcoa	0	0	0	3	3
Tankers	31	173	28	4	205
S4 Aircraft Carriers	0	50	0	0	50
T1 Coastal Tankers	0	7	17	8	32
P2 Transports	0	19	1	0	20
Amy Transports	0	0	0	2	2
Navy Transports	0	0	1	1	2
Navy Aircraft Tender (M.C. 173)	0	0	0	1	1
Navy Destroyer Tender (M.C. 172)	0	0	0	1	1
Emergency Vessels EC2-Cargo	262	1,046	108	35	1,189
Total	433	1,724	294	139	2,157

MISCELLANEOUS

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STRIKES IN PLANTS WITH NAVAL CONTRACTS

Week Ended September 12, 1942

Status and Plant	Duration	Workers Involved	Issue
<u>STRIKES SETTLED DURING WEEK</u>			
Aluminum Co. of America Cleveland, Ohio	2 days	All but 4 employees on night shift	Double time for work on Labor Day.
Corcoran Metal Products Co. Washington, Ind.	8 days	100 persons	Refusal of Co. to dis- charge employees at union's request
Egmore Iron Co. New Castle, Delaware	1 day	Undetermined	Wages
Federal Bearings Co. Poughkeepsie, N. Y.	1 day	100 persons	Time off for Labor Day Contract negotiations and wages
P. A. Geler Cleveland, Ohio	3 days	Undetermined	Grievance procedure
Kentucky Mill Work Co. Louisville, Ky.	3 days	10 persons	Wage increase
Naval Ordnance Plant So. Charleston, W. Va.	4 days	Undetermined	Unknown
Phoenix Manufacturing Co. Joliet, Ill.	8 days	170 persons	Contract negotiations
Stevens Metal Products Co. Miles, Ohio	2 days	Undetermined	Unknown
Susquehanna Silk Mills Sandy, Pa.	2 days	736 persons	Wages
Valentine & Co. Brooklyn, N.Y.	4 days	Undetermined	Unknown
Western Cartridge Co. East Alton, Ill.	4 days	700 persons	Discharge of union president for viol- ation of security regulations
Yale & Towne Manufacturing Co. Stanford, Conn.	3 days	250 persons	Recognition
<u>STRIKES CONTINUING AT END OF WEEK</u>			
Carpenters & Molders Union Washington, D. C.	Began Sep 4	200 persons	Wages
Charles Cooper Co. Newark, N.J.	Began Aug 21	25 persons	Wage increase
Chicago Copper & Chemical Co. Chicago, Ill.	Began Aug 7	50 persons	Closed shop & del. y in contract negotiations
Plant Machinery Builders, Inc. Long Island City, N.Y.	Began Sep 10	12 persons	Union charges lockout
Pitcairn Co. Barterton, Ohio	Began Sep 10	900 persons	Discharge of six employees
Standard Ultramarine Co. Huntington, W. Va.	Began Sep 1	Undetermined	Jurisdictional strike
Wabash Photo Laboratory Corp. Brooklyn, N.Y.	Began Sep 3	500 persons	Wages

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Navy War Program

QUARTER-MONTHLY PROGRESS REPORT

Dec. 23, 1942



Issue Number 14

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Navy War Program
QUARTER-MONTHLY PROGRESS REPORT
Dec. 23, 1942

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Planning & Statistics Branch
Office of Procurement and Material
Scheduling & Reporting Division

SHIPS

SYMBOLS OF U.S. NAVY SHIPS

AB	Crane Ship	LCV	Landing Craft, Vehicle
ACV	Auxiliary Aircraft Carrier	LCVP	Landing Craft, Vehicle and Personnel
AD	Destroyer Tender	LSD	Landing Ship, Dock
AE	Ammunition Ship	LST	Landing Ship, Tank
AF	Store Ship	LVT	Landing Vehicle, Tracked (unarmored)
AG	Miscellaneous Auxiliary	LVT(A)	Landing Vehicle, Tracked (armored)
AGC	General Communications Vessel	PC	Submarine Chaser
AGS	Surveying Ship	PE	Eagle Boat
AH	Hospital Ship	PO	Gun Boat
AK	Cargo Ship	PR	River Gun Boat
AKF	Refrigerated Cargo Ship	PT	Motor Torpedo Boat
AKS	General Stores Issue Ship	PTC	Motor Boat Submarine Chaser
AM	Large Mine Sweeper	PT	Yacht
AMb	Base Mine Sweeper	PTC	Coastal Yacht
AMc	Coastal Mine Sweeper	RPC	63' Submarine Chaser (Russia)
AN	Net Layer	RPT	Motor Torpedo Boat (Russia)
AO	Oiler	SM	Mine Laying Submarine
AOG	Gasoline Tanker	SS	Submarine
AP	Transport	YA	Ash Lighter
APc	Coastal Transport	YAG	District Auxiliary, Miscellaneous
APD	Troop Transport (high speed)	YC	Open Lighter
APH	Transport for Wounded	YCF	Car Float
APR	Rescue Transport	YCK	Open Cargo Lighter
APS	Auxiliary Cargo Submarine	YCV	Aircraft Transportation Lighter
APV	Aircraft Transport	YD	Floating Derrick
AR	Repair Ship	YDT	Diving Tender
ARD	Floating Dry Dock	YF	Covered Lighter; Range Tender; Provision Store Lighter
ARM	Heavy Hull Repair Ship	YFS	Ferry Boat and Launch
ARS	Salvage Vessel	YFD	Floating Dry Dock
AS	Submarine Tender	YFT	Torpedo Transportation Lighter
ASR	Submarine Rescue Vessel	YG	Garbage Lighter
AT	Ocean-Going Tug	YH	Ambulance Boat
ATR	Rescue Tug	YHS	Houseboat
AV	Seaplane Tender (large)	YHT	Heating Scow
AVC	Catapult Lighter	YM	Builde
AVD	Seaplane Tender (converted DD)	YMS	Motor Mine Sweeper
AVP	Seaplane Tender (small)	YMT	Motor Tug
BB	Battleship	YN	Net Tender
CA	Heavy Cruiser	YNG	Gate Vessel
CB	Large Cruiser	YNT	Net Tender (tug class)
CL	Light Cruiser	YO	Fuel Oil Barge
CM	Mine Layer	YOG	Gasoline Barge
CMc	Coastal Mine Layer	YOS	Oil Storage Barge
CV	Aircraft Carrier	YP	District Patrol Vessel
DD	Destroyer	YPD	Floating Pile Driver
DE	Destroyer Escort Vessel	YPK	Pontoon Stowage Barge
DM	Light Mine Layer (high speed)	YR	Floating Workshop
DMS	Mine Sweeper (high speed)	YRC	Submarine Rescue Chamber
IX	Unclassified	YRD	Floating Pile Driver
LCL(L)	Landing Craft, Infantry (large)	YS	Stevedore Barge
LCLM(2)	50' Landing Craft, Mechanized, Mk. II	YSD	Seaplane Wrecking Derrick
LCLM(3)	50' Landing Craft, Mechanized, Mk. III	YSP	Salvage Pontoon
LCLP(L)	36' Landing Craft, Personnel (large)	YSR	Sludge Removal Barge
LCLP(R)	36' Landing Craft, Personnel (with ramp)	YT	Harbor Tug
LCL(L)	Landing Craft, Rubber (large)	YTT	Torpedo Testing Barge
LCL(S)	Landing Craft, Rubber (small)	YW	Water Barge
LCS(S)	Landing Craft, Support (small)		
LCT(S)	Landing Craft, Tank, Mk. V		

Note: Ships carrying prefix symbol B, except BB, and ships shown above with prefix symbol B, represent vessels under construction or conversion and being financed by Lend-Lease appropriations.

MONTHLY ACTUAL OR ESTIMATED COMPLETIONS
Vessels - Bureau of Ships
Calendar Year 1942

Type	A C T U A L C O M P L E T I O N S												ESTIMATED COMPLETIONS *	GRAND TOTAL CALENDAR YEAR 1942
	January	February	March	April	May	June	July	August	September	October	November	Total 1/1/42 Thru 11/30/42	December	
Battleship BB	0	0	1	1	1	0	0	0	0	0	1	4	0	4
Auxiliary Aircraft Carrier ACV, RACV	0	0	2 (2)	0	1 (1)	0	2 (2)	1 (1)	6 (6)	2 (2)	1 (1)	15 (15)	3 (3)	18 (18)
Light Cruiser (10,000 Ton) CL	0	0	0	0	0	1	1	0	1	1	1	5	0	5
Light Cruiser (6,000 Ton) CL	1	2	0	0	0	0	0	0	0	0	0	3	0	3
Destroyer (2,050 Ton) DD	0	0	0	0	0	3	3	4	2	3	5	20	6	26
Destroyer (1,620-1,630 Ton) DD	2	0	4	7	5	3	6	5	6	7	4	49	3	52
Submarine SS	1	3	2	3	2	5	4	1	2	5	2	30	5	35
Combatants - Total	4	5	9 (2)	11	9 (1)	12	16 (2)	11 (1)	17 (6)	18 (2)	14 (1)	126 (15)	17 (3)	143 (18)
Submarine Chaser (173') PC	0	5	4	11	13	12	12	16	13	10	7	109	7	110
Submarine Chaser (110') PC	1	0	5 (1)	16	16	9	19	18	16	22	27	151 (1)	25	176 (1)
Motor Torpedo Boats PT, MPT	7	10	3	0	0	4	13	17	17	11	22	104	31	135
All Others **	240 (41)	132 (69)	324 (132)	295 (63)	506 (128)	577 (52)	786 (66)	1,166 (73)	1,031 (90)	938 (46)	1,168 (39)	7,233 (109)	1,150 (36)	8,385 (845)
GRAND TOTAL	252 (41)	152 (69)	345 (135)	333 (63)	544 (129)	614 (52)	846 (67)	1,228 (74)	1,146 (104)	999 (50)	1,258 (40)	7,717 (825)	1,232 (39)	8,949 (864)

Notes: Table includes Lend-Lease.

Entry in parenthesis refers to conversions included in accompanying figure.

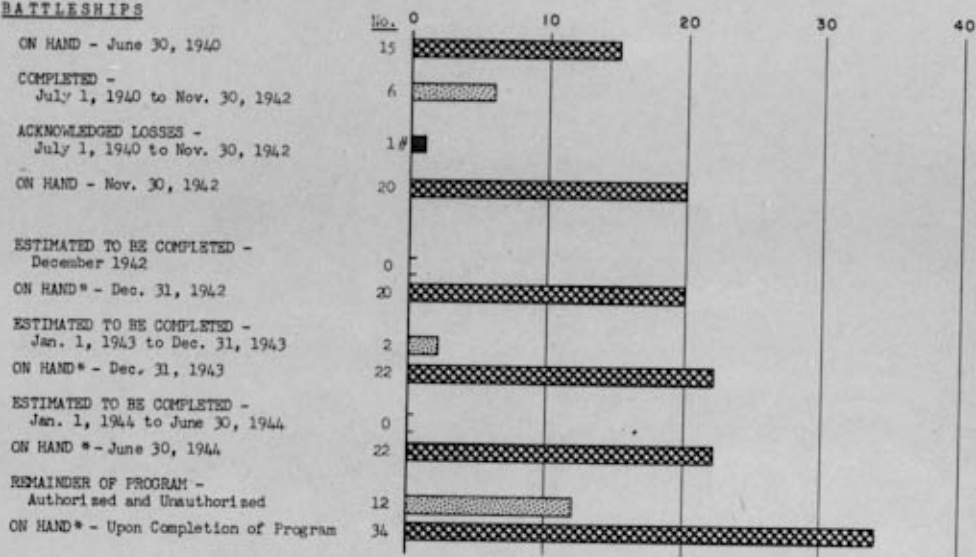
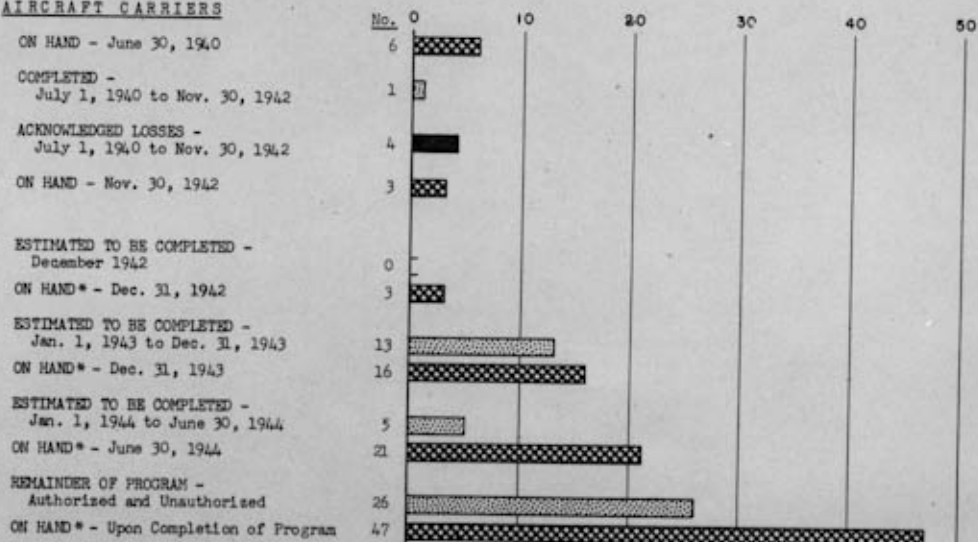
* Estimates of completions are those of the Bureau of Ships as of December 10, 1942.

** Coast Guard vessels, rubber boats, and special small boats not included.

SHIPS

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STATUS AND PROGRESS OF COMBATANT SHIP PROGRAM

BATTLESHIPSAIRCRAFT CARRIERS

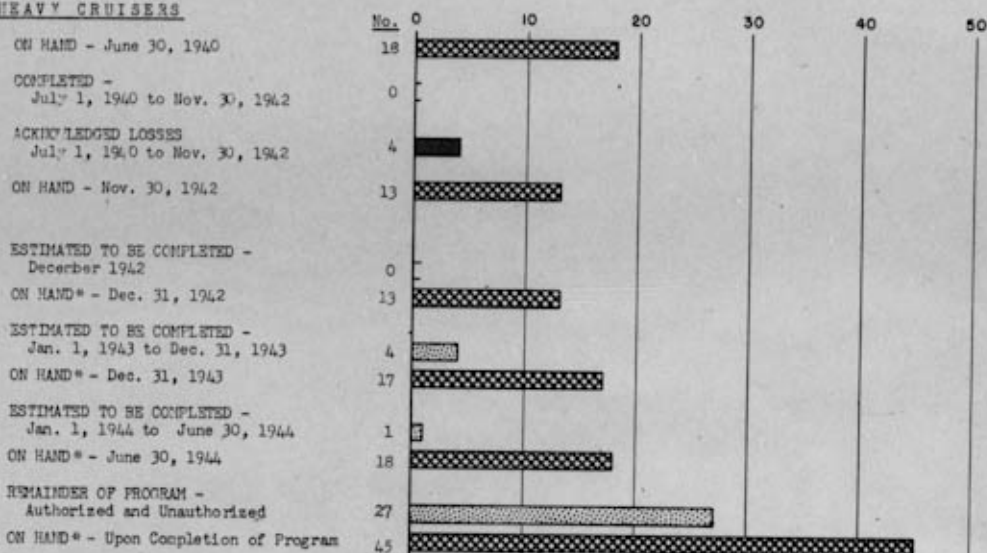
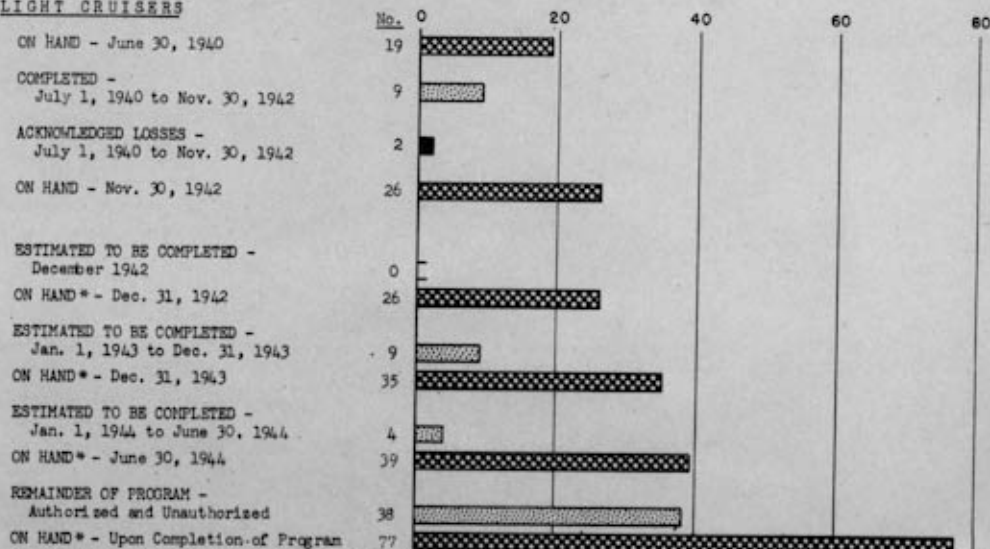
* Assuming no interim losses.

This refers to BB39, the ARIZONA, announced stricken on December 1, 1942.

SHIPS

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STATUS AND PROGRESS OF COMBATANT SHIP PROGRAM

HEAVY CRUISERSLIGHT CRUISERS

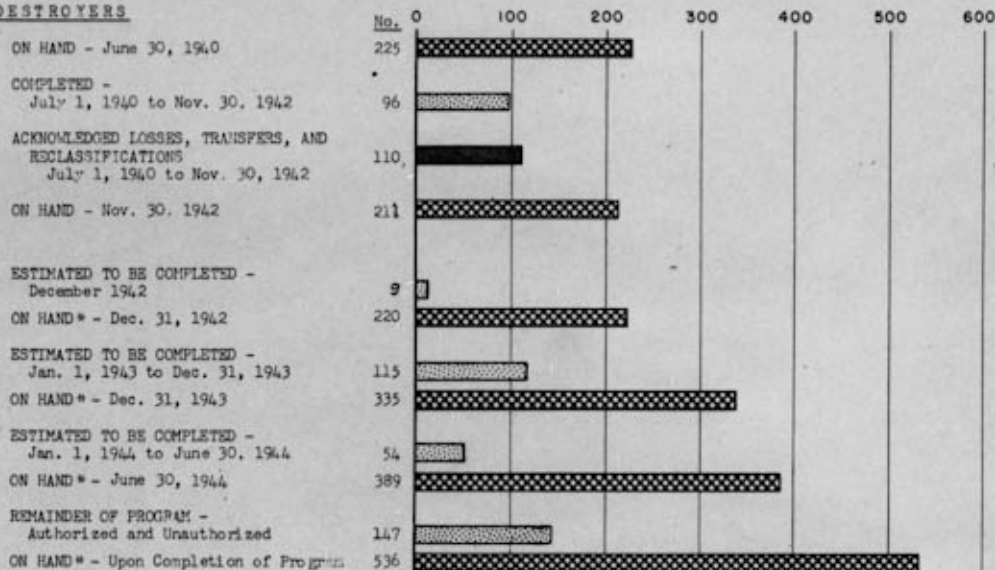
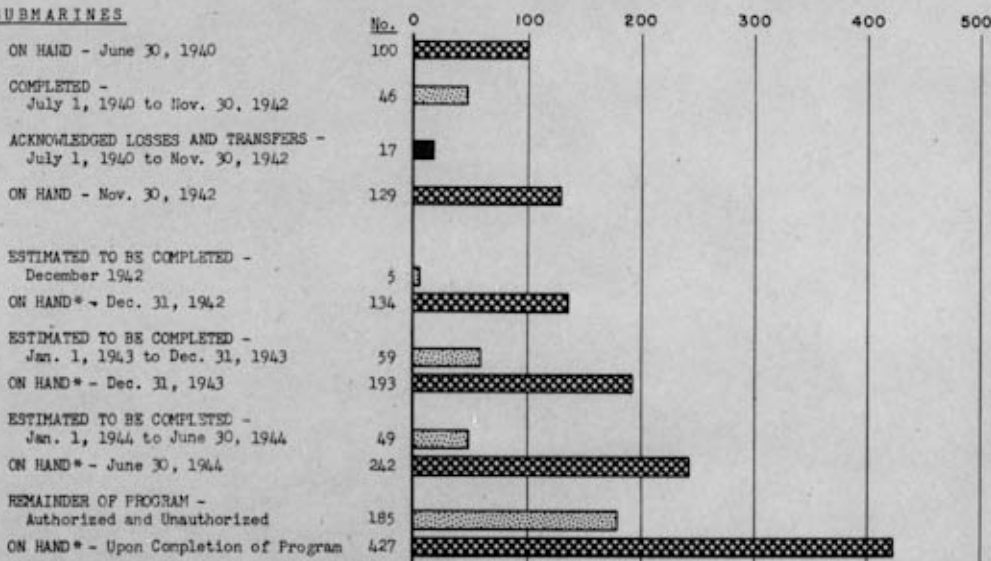
Note: No chart is shown for a program of six large cruisers. One is estimated to be completed during period 1/1/44 to 6/30/44, and the remaining five thereafter.

* Assuming no interim losses.

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STATUS AND PROGRESS OF COMBATANT SHIP PROGRAM

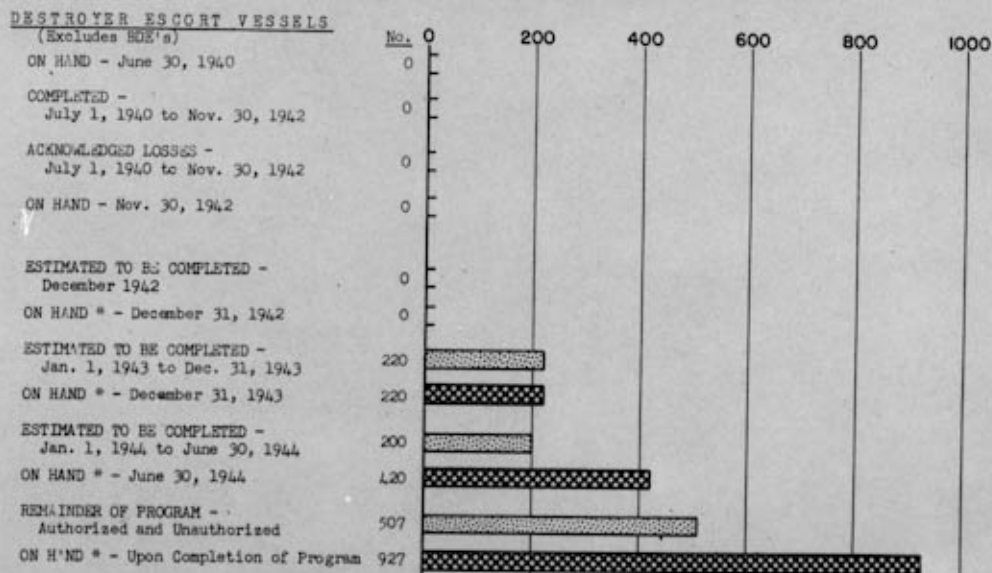
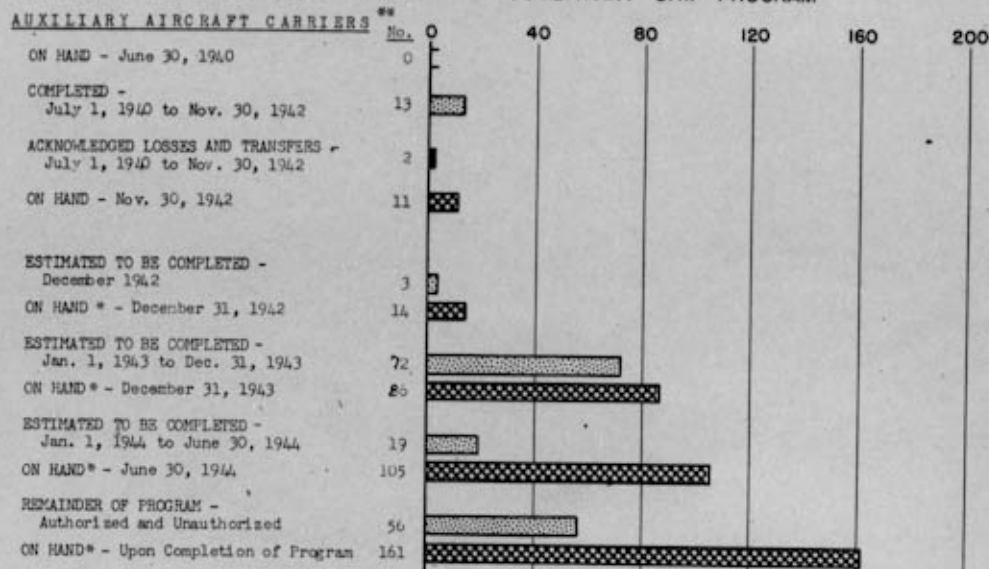
DESTROYERSSUBMARINES

* Assuming no interim losses.

SHIPS

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STATUS AND PROGRESS OF COMBATANT SHIP PROGRAM



* Assuming no interim losses.

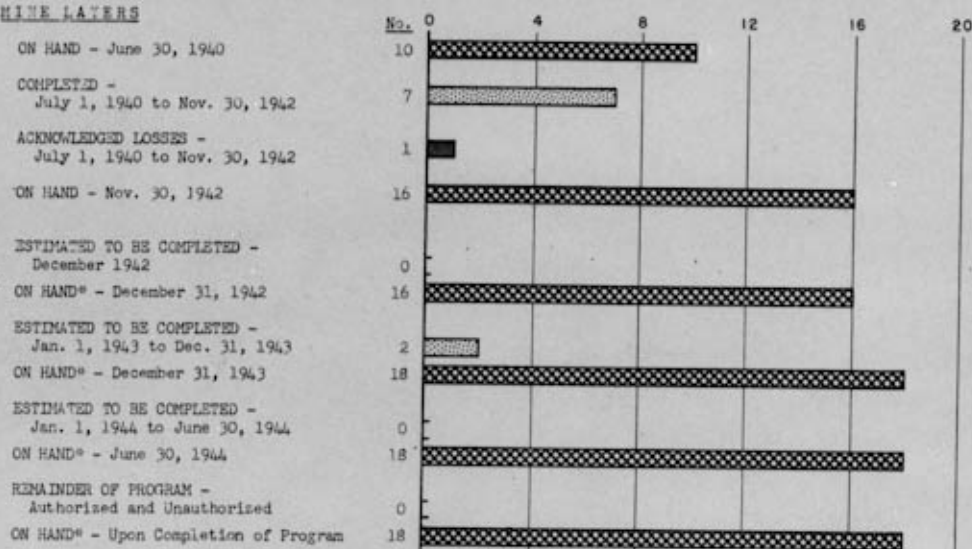
** Reference - For previous data see Q-M, Issue No. 3

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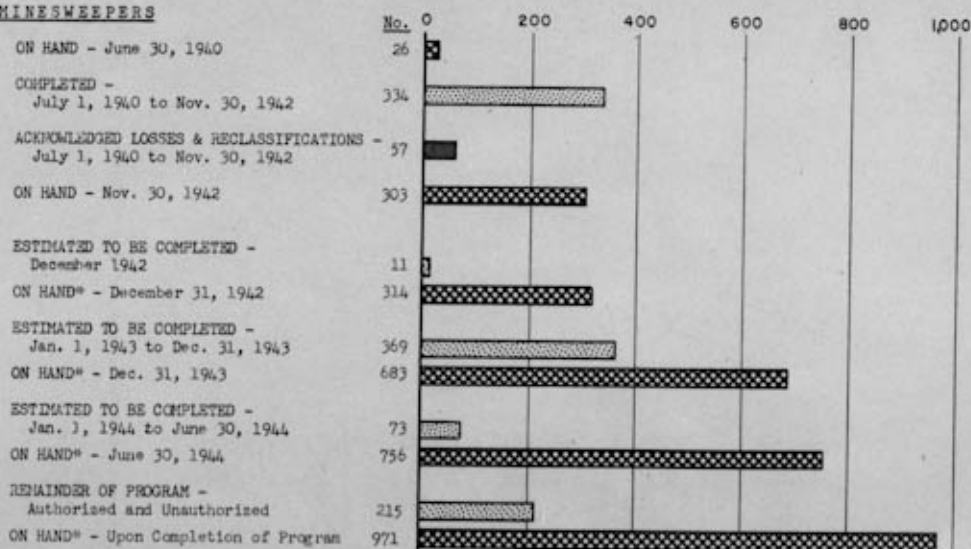
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STATUS AND PROGRESS OF MINE CRAFT PROGRAM

MINE LAYERS



MINESWEEPERS

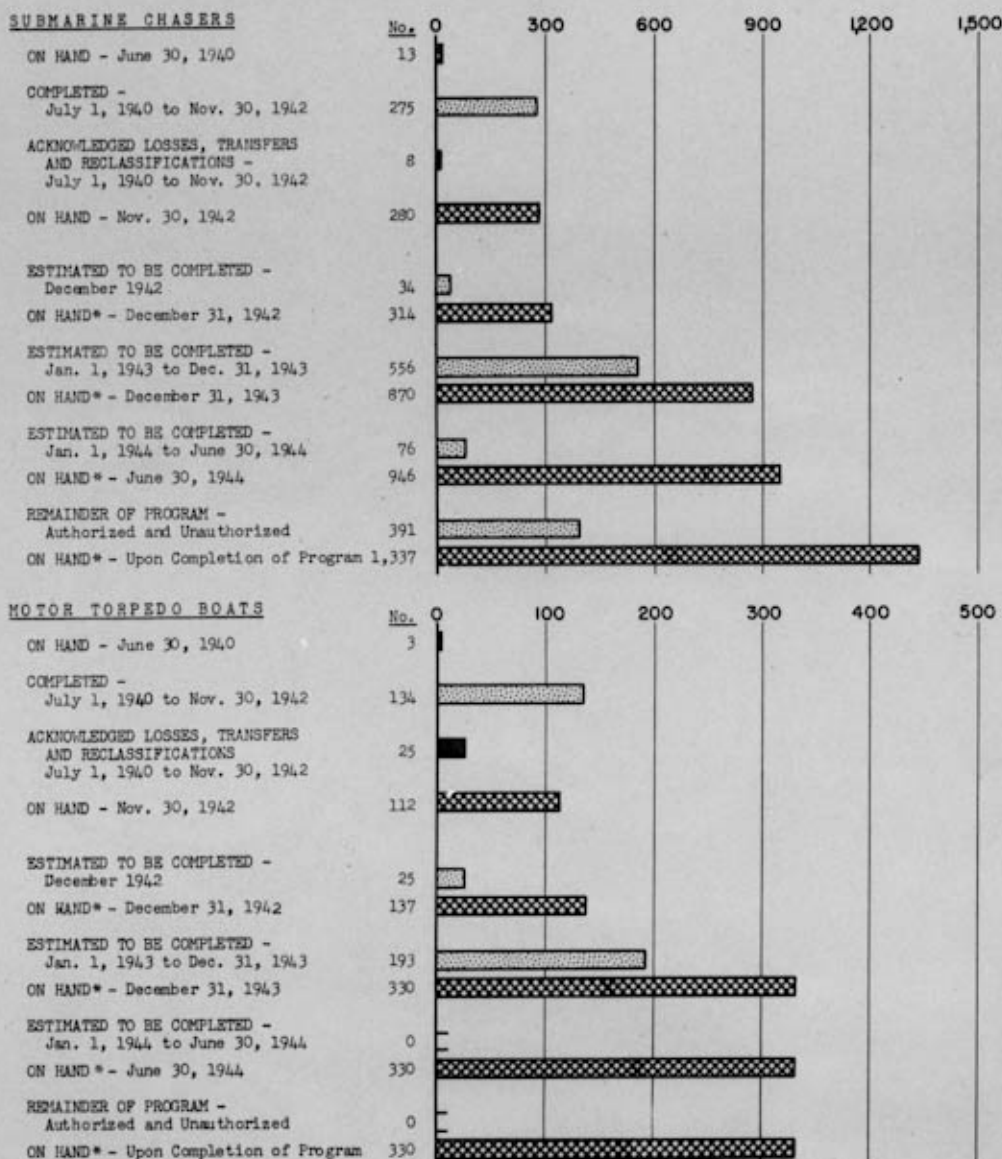


* Assuming no interim losses.

SHIPS

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STATUS AND PROGRESS OF SUBMARINE CHASER AND MOTOR TORPEDO BOAT PROGRAMS



* Assuming no interim losses.

SHIPS

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SHIPBUILDING PROGRAM—PROGRESS AND ON HAND
(Excludes Lend-Lease)

Type and Symbol	Completions Including Conversions						Gain Through 12/15/42 Over 10/1/42 Predictions*	On Hand		
	7/1/40 through 12/15/42 Actual	December 1942				Estimated for January 1943		6/30/40	12/15/42 **	
		New Construction		Conversions						
		Estimate for Month	Actual 12/1/42-12/15/42	Estimate for Month	Actual 12/1/42-12/15/42					
COMBATANTS										
	172	14	6	2	0	18	-5	183	419	
Battleship BB	6	0	0	0	0	0	0	15	20	
Aircraft Carrier CV	1	0	0	0	0	3	0	6	3	
Aux. Aircraft Carrier ACV	11	0	0	3	0	0	0	0	11	
Heavy Cruiser CA	0	0	0	0	0	0	0	18	13#	
Light Cruiser CL	9	0	0	0	0	0	0	19	26	
Destroyer DD	100	9	4	0	0	9	-4	225	215	
Submarine SS	48	5	2	0	0	3	-1	100	131	
PATROL CRAFT										
	974	22	26	16	0	64	-46	98	291	
Submarine Chaser PC	290	34	15	0	0	37	-39	13	295	
Motor Torpedo Boat PT	143	25	9	0	0	25	-10	3	120	
Patrol Yacht PY, PYc	56	0	0	0	0	0	0	1	55	
District Patrol Vessel YP	460	0	0	11	0	2	0	62	484	
Other PE, PG, PR	25	0	2	5	0	0	3	19	37	
MINE VESSELS										
	346	11	5	0	0	12	-23	26	124	
Mine Layer CM, CMc, DM	7	0	0	0	0	0	0	10	16	
Large Mine Sweeper AM	52	4	3	0	0	4	-5	26	53	
Small Mine Sweeper AMc, AMc	139	0	0	0	0	0	0	0	107	
High Speed Mine Sweeper IWS	18	0	0	0	0	0	0	0	18	
Motor Mine Sweeper IWS	130	7	2	0	0	8	-18	0	130	
AUXILIARIES										
	315	31	6	2	4	32	-38	137	224	
Destroyer Tender AD	2	0	0	0	0	1	0	9	9	
Submarine Tender AS	6	0	0	0	0	0	0	6	8	
Submarine Rescue Vessel ASR	1	0	0	0	0	1	-1	6	6	
Seaplane Tender (Large) AV	4	0	0	1	0	0	0	2	5	
Seaplane Tender AVD, AVP	20	2	0	0	0	2	-2	16	28	
Repair Ship AR, ARH	3	0	0	0	0	0	0	4	6	
Salvage Vessel ASB	10	0	0	3	1	3	0	5	35	
Cargo Ship AK, AKF, AMS	35	0	0	1	0	1	0	17	42	
Oiler AO	32	0	0	0	0	1	-2	0	2	
Gasoline Tanker AOG	2	0	0	0	1	19	-28	2	81	
Transport AP, APc, APD	83	25	4	0	0	0	0	0	0	
Net Layer AN	1	0	0	0	0	2	-4	26	42	
Tug AT, ATN	21	4	2	0	0	2	0	42	120	
Other AB, AB, AF, AG, AGS, AH, APH, APS, APV, AVC, IX	95	0	0	4	2	2	0	42	120	
LANDING CRAFT										
	520	119	67	0	0	141	-47	0	420	
Landing Craft, Inf. LCI(L)	116	72	31	0	0	73	-38	0	85	
Landing Craft, Tank LCT(5)	370	1	1	0	0	0	0	0	308	
Landing Ship, Tank LST	34	46	15	0	0	68	-9	0	27	

Note: Table includes those completions on or before December 15, 1942, reported in Bureau of Ships daily reports through December 17, 1942.

* New construction only. October 1, 1942 predictions based on Bureau of Ships estimates as of that date.

** Adjusted to reflect only publicly announced losses, transfers and reclassifications.

One cruiser announced lost (Navy Department Communique #211) and unidentified as to type, assumed to be a heavy cruiser.

SHIPS

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SHIP COMPLETIONS - DECEMBER 1 THROUGH DECEMBER 15, 1942

Type	Built		Converted
	Number, Code and Name	Date of Completion	Number and Code
COMBATANTS	4 Destroyers DD499 RENSHAW DD510 EATON DD571 CLAXTON DD645 STEVENSON	December 4 December 4 December 8 December 14	-
	2 Submarines SS257 HARDER SS278 SCORPION	December 1 December 7	-
PATROL CRAFT	11 110' Submarine Chasers PC679, 684, 701, 716, 723, 741, 765, 769, 978, 1016, 1024	-	-
	4 173' Submarine Chasers PC593, 1077, 1120, 1225	-	-
	9 Motor Torpedo Boats PT83, 86, 87, 160, 162, 163, 164, 165, 166	-	-
	1 Motor Torpedo Boat Lend-Lease - BPT27	-	-
	2 Gun Boats PG89, 101	-	-
MINE VESSELS	3 Large Mine Sweepers AM61, 94, 123	-	-
	2 Motor Driven Mine Sweepers YMS15, 128	-	-
AUXILIARIES	4 Coastal Transports AP66, 11, 27, 35	-	1 Transport - AP64 1 Cargo Ship - AK75
	2 Ocean Going Tugs AT67, 75	-	1 Miscellaneous Auxiliary AG46 1 Unclassified IX78
LANDING CRAFT	31 Landing Craft, Infantry (large) LCI(L)	-	-
	1 Landing Craft, Tank, Mk V LCT(5)	-	-
	8 Landing Craft, Tank, Mk V Lend-Lease - LCT(5)	-	-
	15 Landing Ships, Tank LST	-	-

Notes: Table includes those completions on or before December 15, 1942,
reported in Bureau of Ships daily reports through December 17, 1942.

ATRA6, incorrectly reported as completed during November in Q-M, Issue No.
13, has not yet been completed.

SHIPS

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SHIPBUILDING PROGRAM - STATUS

(Includes Lend-Lease)

Type	Completed 7/1/40 - 12/15/42		Status As of December 15, 1942						
	U.S. Navy	Lend-Lease	New Construction On Order				Con- verting	Additional Authorized	
			Not Yet On Ways	On Ways	Launched	Total			
COMBATANTS									
Battleship	BB	6	0	6	3	2	11	0	3*
Aircraft Carrier	CV	1	0	19	11	6	36	0	4
Aux. Aircraft Carrier ACV, BACV	11(11)	6(6)	10	8	6	24	64	0	0
Large Cruiser	CB	0	4	2	0	6	0	0	0
Heavy Cruiser	CA	0	20	3	2	25	0	5	0
Light Cruiser	CL	9	0	31	8	4	43	0	0
Destroyer	DD	100	0	159	53	64	276	0	5
Escort Vessel	DE, DDE	0	0	771	51	25	800	0	0
Submarine	SS	48	0	141	33	15	189	0	6
PATROL CRAFT									
Submarine Chaser	PC	290	0	368	168	118	654	0	19
Submarine Chaser, 63	RFC	0	0	50	0	0	50	0	0
Motor Torpedo Boat	PT, BPT, SPT	143	16	142	87	52	281	4	0
Patrol Yacht	PY, PYC	56(56)	0	0	0	0	0	1	0
District Patrol Vessel	YP	450(454)	0	10	1	3	14	50	0
Gunboat	FG	25(22)	0	0	14	0	14	0	0
MINE VESSELS									
Mine Layer	CM, CMC	7(6)	0	0	0	2	2	0	0
Large Mine Sweeper	AM, BAM	52(19)	0	96	43	49	188	0	0
Coastal Mine Sweeper	AMC, BMC	139(69)	0	0	0	0	0	0	0
Mine Sweeper (high-speed)	EMS	18(18)	0	0	0	0	0	0	0
Motor Mine Sweeper	YMS, YMSL	130	32	75	157	94	326	0	5
AUXILIARIES									
Destroyer Tender	AD	2(1)	0	4	2	1	7	2	0
Submarine Tender	AS	6(4)	0	3	0	3	6	1	2
Submarine Rescue Vessel	ASR	1	0	0	0	0	4	0	0
Seaplane Tender (large)	AV	4(2)	0	6	2	0	8	1	0
Seaplane Tender (small) AVD, AVP	20(14)	0	18	4	13	35	0	0	0
Repair Ship	AR, ARH	3(2)	0	0	1	2	3	2	0
Salvage Vessel	ARS, BARS	10(10)	0	9	14	8	31	0	0
Cargo Ship	AK, ANF, BAK	35(35)	1	0	0	0	0	22	0
Oiler	AO	32(32)	0	0	0	0	0	23	12(12)
Gasoline Tanker	AOG	2(2)	0	0	6	5	13	0	0
Transport	AP, APC, APD	83(17)	0	20	31	34	85	3	28(28)
Net Layer	AN	1(1)	0	0	4	0	4	0	0
Tug	AT, TR, BAT	21(16)	10	76	34	18	128	0	8
Other	AE, F, G, AGC, AGS, AH, AFR, APS, AFR, APV, VC, IX	95(94)	0	2	0	0	2	15	17(6)
LANDING CRAFT									
Landing Craft, Inf.	LCI(L)	116	0	48	69	69	186	0	0
Landing Craft, Tank	LCT(5)	370	95	4	1	0	5	0	0
Landing Ship, Dock	LSD	0	0	9	6	0	15	0	0
Landing Ship, Tank	LST	34	0	138	110	108	356	0	0

Notes: Table reflects events on or before December 15, 1942 reported in Bureau of Ships daily reports through December 17, 1942.

Entry in parenthesis refers to conversions included in main figure.

* These three battleships, for which over-age replacement tonnage is available (Letter Chief of Bureau of Ships to OP&M, CFS/LB-3(729) probably will not be built.

SHIPBUILDING PROGRAM - LANDING CRAFT
(Includes Lend-Lease)

Type	Total Program	Completed 7/1/40 Through 12/12/42	Estimated Completions by 1/1/43	Promised by 2/15/43	Estimated Completions by 2/15/43	Estimated Completions by 5/1/43	Estimated Completions by 7/1/43	Estimated Completions by 9/1/43
<u>Landing Force Vessels</u>	<u>797</u>	<u>139</u>	<u>223</u>	<u>500</u>	<u>449</u>	<u>533</u>	<u>571</u>	<u>612</u>
Landing Ship, Dock LSD	15	0	0	0	0	0	2	5 #
Landing Ship, Tank LST	390	29	66 *	200	178 *	231 *	267 *	305 **
Landing Craft, Inf. (Large) LCI(L)	302	110	157	300	271	302	302	302
<u>Landing Craft</u>	<u>7,127</u>	<u>2,457</u>	<u>2,475</u>	<u>940</u>	<u>2,987</u>	<u>3,940</u>	<u>4,592</u>	<u>5,057</u>
Landing Craft, Tank, Mk. V. LCT(S)	470	464	470	340	470	470	470	470
Landing Craft, Mechanized, Mk. III LCM(S)	2,429	1,152	1,194	600	1,438	2,126	2,414	2,429
Landing Vehicle, Tracked, (unarmored) LVT	1,225	838	908	0	1,076	1,221 -	1,225	1,225
Landing Vehicle, Tracked, (new design and armored) LVT & LVT(A)	3,003	3	3	0	3	123	483	933 #
<u>Raiding Craft</u>	<u>15,152</u>	<u>6,698</u>	<u>7,339</u>	<u>1,703</u>	<u>2,529</u>	<u>13,431</u>	<u>14,941</u>	<u>15,152</u>
Landing Craft, Personnel, (large) LCP(L)	1,002	869	882		912	1,002	1,002	1,002
Landing Craft, Personnel, (with ramp) LCP(R)	1,587	1,503	1,547	503 **	1,587	1,587	1,587	1,587
Landing Craft, Vehicle and Personnel LCVP	3,374	100	200	0	899	2,414	3,374	3,374
Landing Craft, Vehicle LCV	2,367	1,896	2,074	1,200	2,266	2,367	2,367	2,367
Landing Craft, Support, (small) LCS(S)	150	125	125	0	150	150	150	150
Plastic Surf Boat	12	2	2	0	7	12	12	12
Landing Craft, Rubber, (large) LCR(L)	3,034	1,383	1,444	0	1,649	2,499	2,849	3,034
Landing Craft, Rubber, (small) LCR(S)	3,626	820	1,065	0	2,059	3,400	3,600	3,626
GRAND TOTAL	22,986	9,294	10,137	3,143	12,965	17,904	20,104	20,821

Note: Estimated completions as of December 12, 1942, reported in Bureau of Ships Weekly Summary and Schedule of Deliveries of Landing Craft Program.

* Completion schedule is based upon estimated deliveries of propulsion machinery.

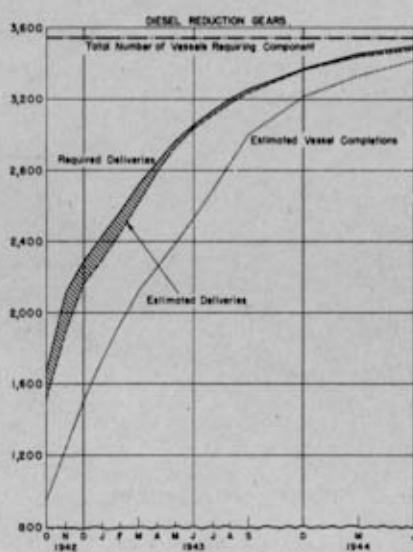
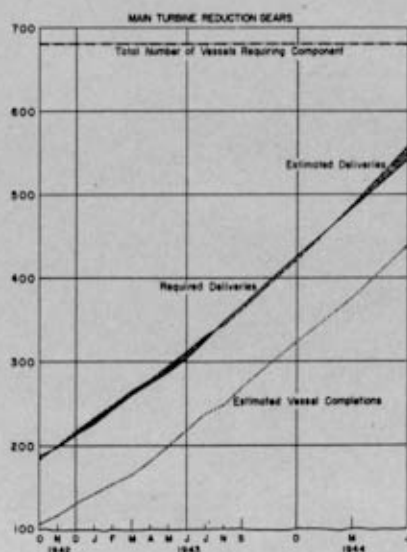
** Figure represents total of LCP(L)'s and LCP(R)'s.

Program to be completed after September 1, 1943.

SELECTED SHIP COMPONENTS

Comparison Of Requirements And Estimated Deliveries

(At End of Month - Cumulative from 7/1/40)



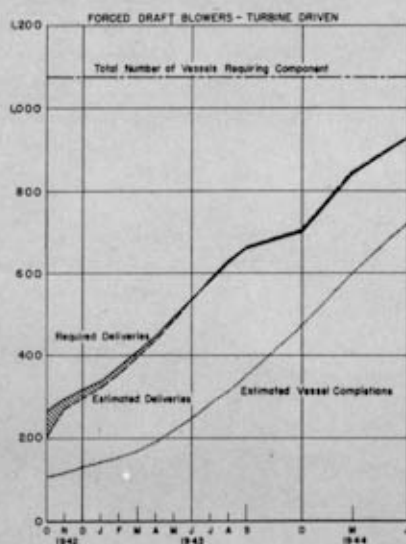
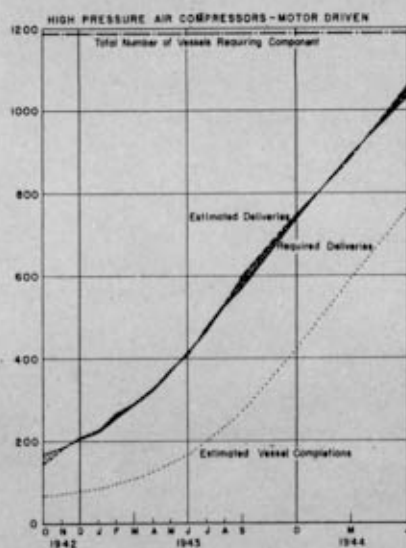
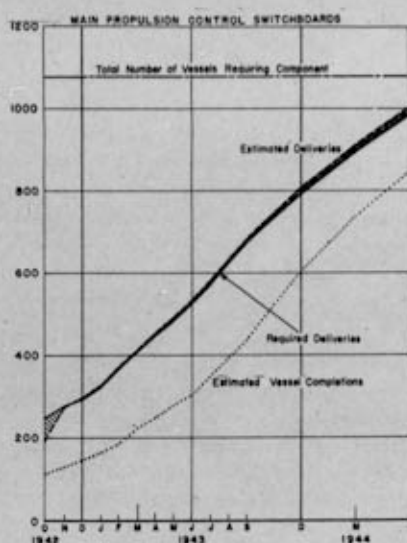
Notes: All figures are presented in terms of "Number of Vessels". In reducing figures in MSR, Issue No. 5, to "Number of Vessels", fractions have sometimes resulted. These have been carried to the next whole unit.

Requirements for BB 67-71 and CB 3-6 are not included in the charts except in the case of the requirements for high pressure air compressors - motor driven for CB 3-6 which are included. The figures for main propulsion control switchboards also apply to main propulsion motors.

SELECTED SHIP COMPONENTS

Comparison Of Requirements And Estimated Deliveries

(At End of Month - Cumulative from 7/1/40)



See preceding page for notes applicable to these charts.

CRITICAL ITEMS - WEEK ENDED DECEMBER 12, 1942

The Bureau of Ships reports that there have been no material changes with regard to critical items as previously reported except as follows:

DIESEL ENGINE SPARE PARTS

Considerable difficulty is being experienced in the procurement of Diesel engine spare parts both for the emergency service to operating vessels and depot stock at NSD, Mechanicsburg, Pennsylvania. It is not possible under existing priority regulations for the engine manufacturer to obtain material for the production of spare parts in less than about four months. In order to service operating vessels, it has been necessary to obtain the needed spare parts from main engine contracts. This practice is not strictly in accordance with existing priority regulations.

It is usually impracticable to apply for AAA priority treatment to the spare parts orders. Such a procedure involves a tremendous amount of paper work. A method must be devised between the Bureau of Ships and the War Production Board which will permit the speedy delivery to the manufacturer of the necessary materials for fabrication of spare parts. If this is not done, it is very doubtful that even continuation of the practice of obtaining spare parts from main engine contracts will provide necessary replacement parts to keep in operation the vessels now in service.

MACHINE TOOLS

To date, the Bureau of Ships has been unable to get any of the tools and equipment released by the cut-back of the Army Ordnance program re-assigned to its plants. The Facilities Section of the War Production Board has requested assistance from the Tool Section of the War Production Board in the disposition of available equipment.

It has been decided that the Bureau of Ships will receive preferential treatment in the procurement of its tools for the Destroyer Escort program.

OTHER CRITICAL ITEMS

Certain other items that are still critical include internal combustion engines, lumber, gyrocompasses, propellers for escort vessels, generators, resistor material, valves, and winches for minesweepers, escort vessels and rescue tugs.

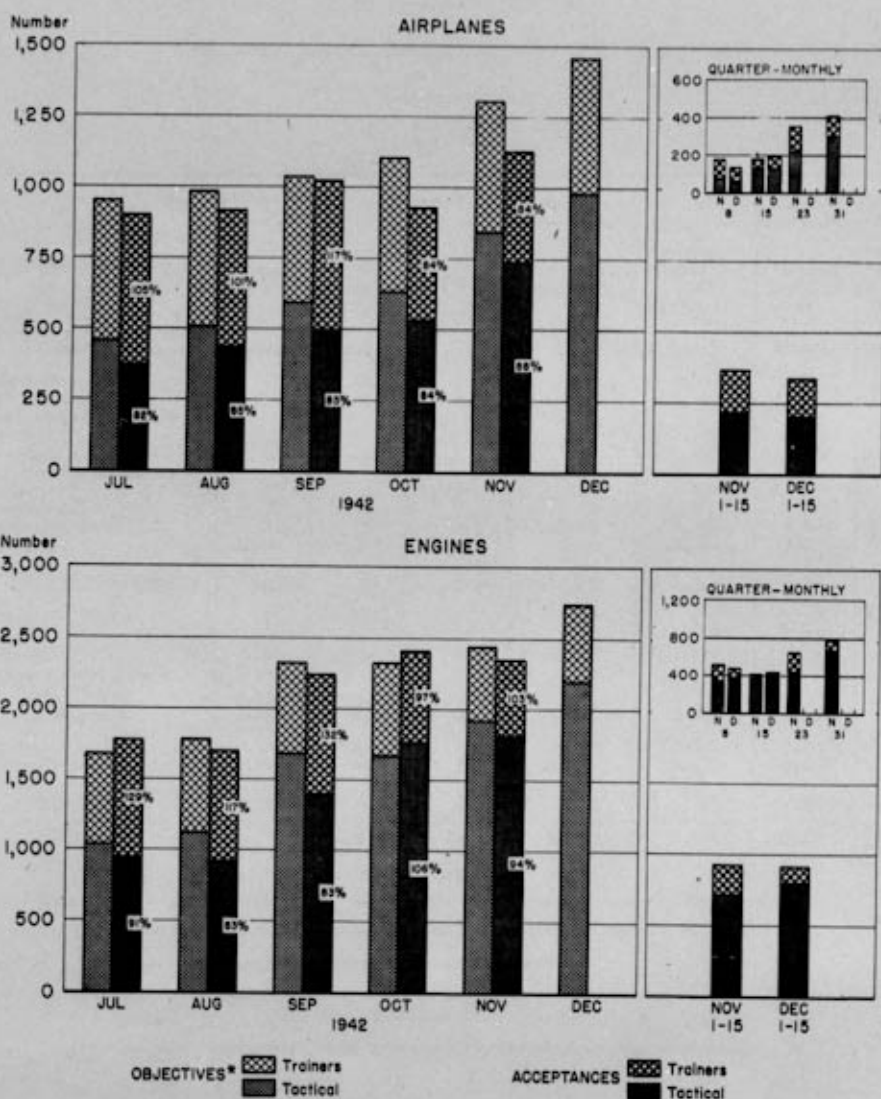
CRITICAL ITEMS - WEEK ENDED DECEMBER 19, 1942

The Bureau of Ships reports that there have been no material changes with regard to critical items as previously reported.

AERONAUTICS

AIRPLANE AND ENGINE ACCEPTANCES vs. OBJECTIVES

Navy Program Only



* Airplane and engine objectives are WPB 8-K and 9-K Schedules, respectively.

Note: Percentages shown indicate the relation of monthly acceptances to the corresponding monthly objectives.

AIRPLANES AND ENGINES ON HAND AND ON ORDER

Navy Program Only
As of December 15, 1942

Class of Airplane	Airplanes					Engines	
	On Hand 12/8/42	Accepted 12/9/42 through 12/15/42	Losses and Transfers Reported 12/9/42- 12/15/42	On Hand 12/15/42	On Order* (Undeliv- ered) 12/15/42	On Hand 12/15/42 **	On Order* (Undeliv- ered) 12/15/42
<u>Tactical Combat</u>	<u>4,923(a)</u>	<u>133</u>	<u>21</u>	<u>5,035</u>	<u>30,106</u>	<u>16,291</u>	<u>45,581</u>
Scout Bomber	895	28	6	917	8,606	3,243	11,224
Torpedo Bomber	510	22	3	529	3,626	1,354	6,227
Patrol Bomber (2-engine)							
Boat	775	20	3	792	1,626	4,740	2,808
Landplane	41	18	1	58	1,893	378	2,232
Patrol Bomber (4-engine)							
Boat	29(a)	4	0	33	397	570	2,461
Landplane	33	5	0	38	362	120	2,212
Observation Scout	1,574	6	2	1,578	2,642	2,849	3,059
Fighter	1,066	30	6	1,090	10,954	3,037	15,358
<u>Tactical Non-Combat</u>	<u>608(a)</u>	<u>1</u>	<u>0</u>	<u>609</u>	<u>1,346</u>	<u>1,321</u>	<u>3,824</u>
Utility	223	0	0	223	150	375	153
Utility (multi-engine)	101(a)	1	0	102	233	291	805
Transport	149	0	0	149	196	180	308
Transport (multi-engine)	135	0	0	135	767	475	2,558
<u>Training</u>	<u>5,543(a)</u>	<u>63</u>	<u>4</u>	<u>5,602</u>	<u>4,080</u>	<u>9,203</u>	<u>5,424</u>
Trainer, primary	2,886(a)	21	1	2,906	1,641	3,791	2,978
Trainer, advanced	2,657(a)	42	3	2,696	2,439	5,412	2,446
<u>Experimental</u>	<u>27(a)</u>	<u>0</u>	<u>0</u>	<u>27</u>	<u>21</u>	<u>300(b)</u>	<u>1,983(b)</u>
GRAND TOTAL	11,101	197	25	11,273	35,563	27,115	56,812

Notes: Data include engines and "useful" and experimental planes for Navy only.

Engines installed in airplanes on hand are included in engine on hand figures.

* Based upon contracts in force November 30, 1942

** Represents engines on hand 10/31/42 plus acceptances reported 11/1/40 through 12/15/42.

(a) Revised.

(b) Includes experimental, test types and lighter-than-aircraft engines.

AIRPLANES ON HAND - COMPARATIVE STATEMENT

As of November 30, 1942

Class of Airplane	On Hand					
	July 1 1940	Dec 31 1940	July 1 1941	Dec 31 1941	July 1 1942	Nov 30 1942
<u>Tactical Combat</u>	<u>1,197</u>	<u>1,360</u>	<u>1,927</u>	<u>2,471</u>	<u>2,191</u>	<u>4,909</u>
Scout Bomber	399	443	635	709	583	909
Torpedo Bomber	114	112	103	100	177	507
Patrol Bomber (2-engine)						
Boat	217	234	329	443	572	760
Landplane	0	0	0	18	16	40
Patrol Bomber (4-engine)						
Boat	0	1	4	5	5	28
Landplane	0	0	0	0	0	33
Observation Scout	278	325	471	682	1,102	1,558
Fighter	189	245	365	514	736	1,064
<u>Tactical Non-Combat</u>	<u>141</u>	<u>169</u>	<u>181</u>	<u>303</u>	<u>441</u>	<u>609</u>
Utility	107	104	104	168	231	221
Utility (multi-engine)	25	33	43	75	87	101
Transport	15	18	18	41	61	150
Transport (multi-engine)	4	14	18	19	82	135
<u>Training</u>	<u>364</u>	<u>638</u>	<u>1,466</u>	<u>2,459</u>	<u>2,378</u>	<u>5,477</u>
Trainer, primary	272	545	1,219	1,732	2,104	2,839
Trainer, advanced	92	93	225	727	1,274	2,638
<u>Experimental</u>	<u>32</u>	<u>33</u>	<u>31</u>	<u>27</u>	<u>28</u>	<u>27</u>
GRAND TOTAL	1,744	2,200	3,585	5,260	7,058	11,022

ENGINES ON HAND - COMPARATIVE STATEMENT

As of November 30, 1942

Class of Airplane to which Allocated	On Hand					
	July 1 1940	Dec 31 1940	July 1 1941	Dec 31 1941	July 1 1942	Nov 30 1942*
<u>Tactical Combat</u>	<u>2,991</u>	<u>3,572</u>	<u>4,676</u>	<u>6,166</u>	<u>9,766</u>	<u>15,491</u>
Scout Bomber	923	1,088	1,285	1,338	1,815	3,011
Torpedo Bomber	178	175	175	308	439	1,287
Patrol Bomber (2-engine)						
Boat	799	951	1,337	1,733	3,081	4,465
Landplane	0	0	0	38	46	318
Patrol Bomber (4-engine)						
Boat	4	20	32	40	277	549
Landplane	0	0	0	0	0	100
Observation Scout	604	741	1,056	1,484	2,369	2,841
Fighter	473	597	791	1,225	1,739	2,924
<u>Tactical Non-Combat</u>	<u>443</u>	<u>463</u>	<u>572</u>	<u>844</u>	<u>1,076</u>	<u>1,316</u>
Utility	202	202	214	324	405	375
Utility (multi-engine)	95	97	151	235	294	291
Transport	55	56	83	91	116	360
Transport (multi-engine)	91	108	124	194	261	470
<u>Training</u>	<u>482</u>	<u>972</u>	<u>1,968</u>	<u>3,264</u>	<u>4,752</u>	<u>9,087</u>
Trainer, primary	403	860	1,567	2,369	2,892	3,781
Trainer, advanced	79	115	401	895	1,860	5,306
<u>Miscellaneous **</u>	<u>91</u>	<u>91</u>	<u>108</u>	<u>126</u>	<u>201</u>	<u>262</u>
GRAND TOTAL	4,001	5,105	7,324	10,400	15,799	26,160

Notes: Data include engines and "useful" and experimental airplanes for Navy only.
Engines installed in airplanes on hand are included in engine on hand figures.

* Preliminary.

** Includes test types, experimental and lighter-than-air engines.

MONTHLY ACTUAL OR ESTIMATED ACCEPTANCES
Airplanes - Navy Program Only
Calendar Year 1942

Type and Manufacturer	A C T U A L A C C E P T A N C E S												ESTIMATED ACCEPTANCES	GRAND TOTAL CALENDAR YEAR 1942
	January	February	March	April	May	June	July	August	September	October	November	Total 1/1/42 Thru 11/30/42	December	
BY TYPE														
Scout Bomber and Bomber	1	4	25	54	68	64	54	74*	79*	121*	142	686	188	874
Torpedo Bomber	1	5	17	25	36	61	75	62	72	79	108	541	115	656
Patrol Bomber (multi-engine)	52	50	50	62	53	33	37	44	112	36	105	654	143	797
Observation Scout	96	101	86	73	94	65	102	163	119	83	90	1,072	37	1,109
Fighter	63	79	57	92	107	122	66	54	98	169	237	1,144	239	1,383
Utility	32	41	2	0	0	0	1	4	2	1	0	83	4	87
Utility (multi-engine)	2	9	1	1	0	2	4	6	3	1	0	29	0	29
Transport	0	7	3	5	5	5	28	11	6	9	34	113	7	120
Transport (multi-engine)	4	5	12	13	17	15	8	12	2	15	21	124	7	131
Tactical - Total	251	301	253	325	380	367	375	430	493	534	737	4,446	740	5,186
Trainer, primary	12	12	32	131	145	103	170	172	143	205	180	1,305	183	1,488
Trainer, advanced	76	37	39	51	173	218	355	310	380	190	210	2,039	241	2,280
Training - Total	88	49	71	182	318	321	525	482	523	395	390	3,344	424	3,768
Experimental	0	0	1	0	1	0	0	0	1	0	0	3	4	7
All Types - Total	339	350	325	507	699	688	900	912*	1,017*	929*	1,127	7,793	1,168	8,961
BY MANUFACTURER														
Beech	0	0	0	2	4	1	13	29	38	6	30	123	31	154
Boeing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brewster	0	0	0	0	0	0	0	0*	0*	3*	12	15	25	40
Consolidated	52	50	50	61	51	31	33	39	73	31	73	544	89	633
Curtiss-Wright	0	0	0	15	33	35	66	88	84	56	81	438	55	493
Douglas	4	5	34	63	79	76	62	86	79	121	135	744	151	895
Eastern Aircraft (Gen. Motors)	0	0	0	0	0	0	0	0	1	4	5	10	17	27
Grumman	96	125	77	117	143	183	143	114	162	213	286	1,659	272	1,931
Howard	0	0	0	0	0	3	14	5	0	1	0	23	7	30
Lockheed	0	0	0	0	5	3	0	0	0	4	6	18	3	21
Martin	0	0	0	1	2	2	5	8	12	25	32	87	32	119
Naval Aircraft Factory	0	10	24	24	19	31	50	50	40	40	19	307	2	309
North American	51	37	39	42	78	151	175	170	489	128	116	1,176	150	1,326
Piper	0	0	6	102	122	0	0	0	0	0	30	260	0	260
Spartan	12	12	24	29	23	5	19	0	0	0	0	124	0	124
Stearman (Boeing)	0	0	0	0	0	98	150	168	140	203	180	939	180	1,119
Tim	0	0	2	0	0	0	1	4	3	2	0	12	3	15
Vega	0	0	0	0	0	0	0	0	27	0	0	27	0	27
Vought-Sikorsky	97	95	65	64	71	30	49	64	21	32	54	622	71	693
Vultee	25	0	0	0	66	37	135	82	146	57	67	615	80	695
Civilian Acquisition	2	16	4	7	3	2	3	3	2	3	1	50	0	50
All Manufacturers - Total	339	350	325	507	699	688	900	912*	1,017*	929*	1,127	7,793	1,168	8,961

Notes: Planes procured for Army and Lend-Lease are not included.

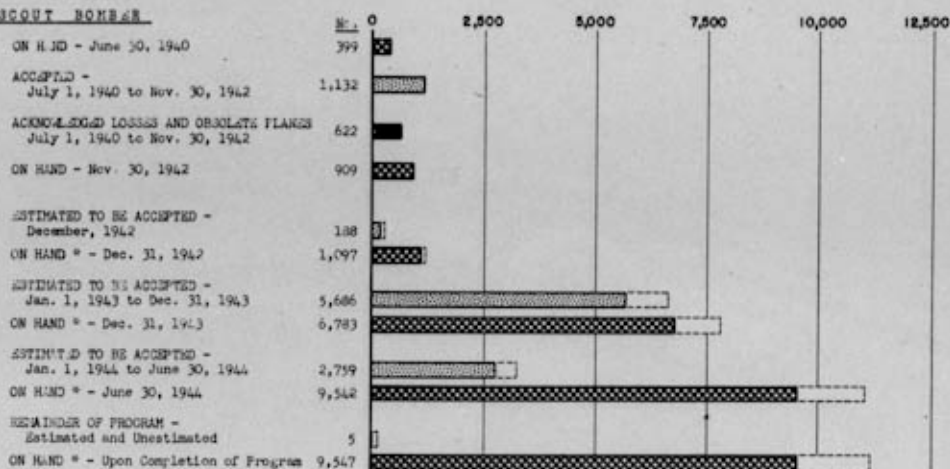
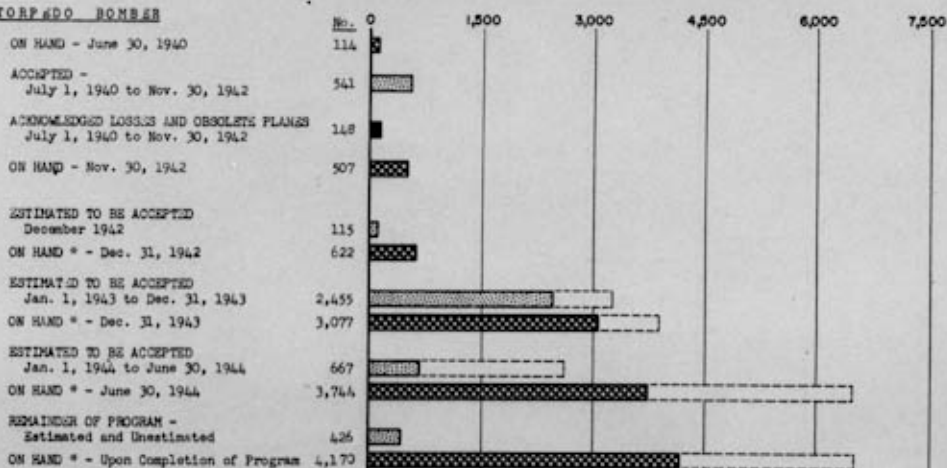
Estimated acceptances are as shown in the Bureau of Aeronautics "Monthly Status of Naval Aircraft", November 30, 1942.

* Revised

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STATUS AND PROGRESS OF COMBATANT AIRPLANE PROGRAM - NAVY ONLY

SCOUT BOMBERTORPEDO BOMBER

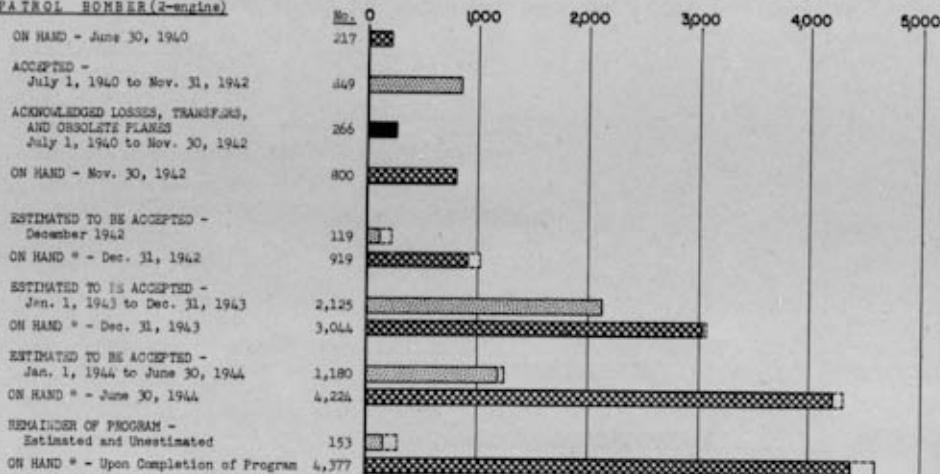
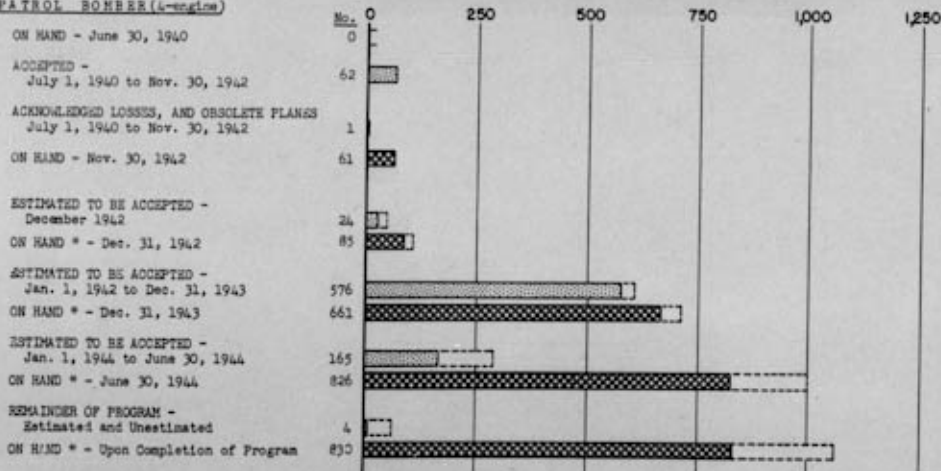
Note: Extended area on bars represents increment over estimated acceptances of contracted planes to meet WPS 8-K (revised) objective for period shown. Shaded area of such bars represents estimated acceptances of contracted planes as shown in Bureau of Aeronautics "Monthly Status of Naval Aircraft," November 30, 1942.

* Figure shown comprises planes only and assumes no interim losses.

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STATUS AND PROGRESS OF COMBATANT AIRPLANE PROGRAM-NAVY ONLY

PATROL BOMBER (2-engine)PATROL BOMBER (4-engine)

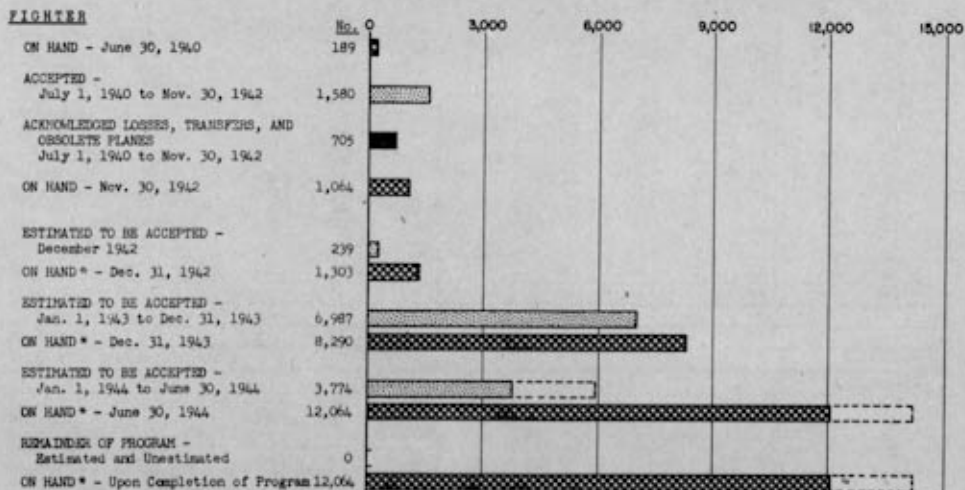
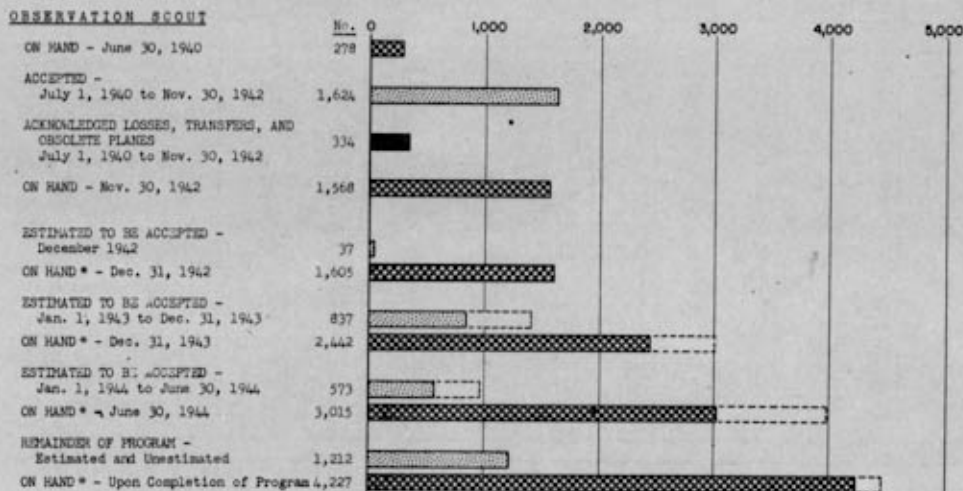
Note: Extended area on bars represents increment over estimated acceptances of contracted planes to meet WPP #4 (revised) objective for period shown. Shaded area of such bars represents estimated acceptances of contracted planes as shown in Bureau of Aeronautics "Monthly Status of Naval Aircraft," November 30, 1942.

* Figure shown comprises planes only and assumes no interim losses.

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STATUS AND PROGRESS OF COMBATANT AIRPLANE PROGRAM - NAVY ONLY



Note: Extended area on bars represents increment over estimated acceptances of contracted planes to meet WPB 8-K (revised) objective for period shown. Shaded area of such bars represents estimated acceptances of contracted planes as shown in Bureau of Aeronautics "Monthly Status of Naval Aircraft," November 30, 1942.

* Figure shown comprises planes only and assumes no interim losses.

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AIRPLANE AND AIRSHIP (LIGHTER-THAN-AIR) PROCUREMENT PROGRAM

Class of Airplane	Procurement Program	July 1, 1940 through Nov 30, 1942				Acceptances						
		Total Ordered	S-E Objective	Total Due	Total Accepted	Actual		Estimated *			Actual	
						Oct 1942	Nov 1942	Dec 1942	Jan 1943	Feb 1943	Dec 1-15	
NAVY PROGRAM ONLY												
<u>Tactical Combat</u>	57,101	36,094	6,134	5,873	5,788	508	682	722	845	964	200	
Scout Bomber	13,721	9,770	1,268	1,496	1,132	121	142	188	252	305	32	
Torpedo Bomber	9,559	4,204	552	315	541	79	108	115	122	145	37	
Patrol Bomber (2-engine)												
Boat	3,353	2,467	854	908	802	37	85	99	110	118	39	
Landplane	2,637	1,959	123	47	47	0	0	20	50	75	19	
Patrol Bomber (4-engine)												
Boat	876	431	62	153	29	7	6	12	20	25	5	
Landplane	400	400	60	0	33	12	14	12	20	20	5	
Observation Scout	4,283	4,283	1,647	1,457	1,624	83	90	37	3	70	17	
Fighter	22,272	12,580	1,588	1,477	1,580	169	237	239	268	206	46	
<u>Tactical Non-Combat</u>	3,568	1,863	600	527	516	26	52	18	24	82	1	
Utility	566	302	152	152	152	1	0	4	4	4	0	
Utility (multi-engine)	631	314	80	76	80	1	0	0	0	0	1	
Transport	1,465	341	219	116	145	9	34	7	36	56	0	
Transport (multi-engine)	906	906	149	183	139	15	21	7	14	22	0	
<u>Training</u>	10,062	9,741	1,568	2,862	2,527	222	290	424	325	387	134	
Trainer, primary	4,870	4,549	2,854	1,899	2,838	205	180	183	183	185	70	
Trainer, advanced	5,192	5,192	2,714	970	2,689	190	210	241	212	202	64	
<u>Experimental</u>	45	45	23	25	14	0	0	4	1	2	0	
Total Navy	70,776	47,743	12,345	9,294	11,845	929	1,127	1,168	1,295	1,435	335	
Total Navy 7/1/40 to 12/15/42											12,180	
NAVY PROCURED FOR ARMY AIR FORCES AND LEND-LEASE												
<u>Tactical Combat</u>	2,704	2,473	726	802	726	120	48	80	134	81	1	
Scout Bomber	4,978	3,948	224	218	227	37	32	35	39	43	0	
Torpedo Bomber	686	586	45	45	0	0	0	0	15	15	0	
Patrol Bomber (2-engine)												
Boat	754	573	153	165	153	55	2	10	10	10	3	
Landplane	288	288	0	0	0	0	0	0	0	0	0	
Patrol Bomber (4-engine)												
Boat	200	200	0	0	0	0	0	0	0	0	0	
Landplane	504	504	154	154	154	0	0	33	67	0	0	
Observation Scout	2,294	2,294	220	220	222	28	14	2	3	15	0	
Fighter												
<u>Tactical Non-Combat</u>	680	680	90	66	62	4	14	4	4	4	0	
Utility	14	14	11	0	14	2	6	0	0	0	0	
Utility (multi-engine)	52	52	35	52	34	2	6	4	4	4	0	
Transport	14	14	14	14	14	0	2	0	0	0	0	
Transport (multi-engine)	600	600	0	0	0	0	0	0	0	0	0	
<u>Training</u>	20	20	20	20	20	0	0	0	0	0	0	
Trainer, advanced	30	30	30	30	30	0	0	0	0	0	0	
Total AAF and L-L	10,414	9,203	916	898	848	124	62	84	138	87	3	
Total AAF and L-L 7/1/40 to 12/15/42											851	
GRAND TOTAL	81,190	56,946	13,261	10,192	12,693	1,053	1,189	1,252	1,433	1,522	338	
GRAND TOTAL 7/1/40 to 12/15/42											13,031	
AIRSHIPS (LIGHTER-THAN-AIR)												
Patrol	234	120	27	-	21	4	2	6	6	6	1	
Training	31	31	8	-	8	1	0	0	1	1	0	
Experimental	1	1	0	-	0	0	0	0	0	0	0	
Total Airships	266	152	35	-	29	5	2	6	7	7	1	

Notes: The Navy procurement program for planes includes items as shown in Buair "Production Program Naval Aircraft" as of November 30, 1942, plus contracts completed since July 1, 1940.
 The Army Air Forces and Lend-Lease procurement program includes items procured by Navy for Army Air Forces and Lend-Lease only as shown in Buair "Production Program Naval Aircraft" as of November 30, 1942, plus contracts completed since July 1, 1940.

* Estimated deliveries are as shown in the Buair "Monthly Status of Naval Aircraft", as of November 30, 1942.

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ENGINE PROCUREMENT PROGRAM

Class of Airplane To Which Allocated	Procurement Program#	July 1, 1940 through Nov 30, 1942				Acceptances					
						Actual		Estimated *			Actual
		Total Ordered	9-K Objective#	Total Due	Total Accepted	Oct 1942	Nov 1942	Dec 1942	Jan 1943	Feb 1943	Dec 1-15
NAVY PROGRAM ONLY											
<u>Tactical Combat</u>	<u>94,455</u>	<u>60,465</u>	<u>13,934</u>	<u>13,663</u>	<u>14,088</u>	<u>1,747</u>	<u>1,766</u>	<u>2,075</u>	<u>1,815</u>	<u>2,001</u>	<u>796</u>
Scout Bomber	19,120	14,025	2,445	2,771	2,569	444	430	309	179	380	232
Torpedo Bomber	13,421	7,249	1,047	1,181	954	200	177	501	412	282	67
Patrol Bomber (2-engine)											
Boat	9,883	6,908	3,349	3,435	3,825	304	353	515	296	395	275
Landplane	7,393	2,794	776	412	502	214	194	179	176	99	60
Patrol Bomber (4-engine)											
Boat	4,944	3,028	611	1,041	546	101	92	247	312	114	21
Landplane	2,248	2,400	344	0	168	48	92	0	0	0	20
Observation Scout	6,143	5,639	2,524	2,545	2,572	83	61	50	70	80	8
Fighter	31,303	18,422	2,841	2,278	2,951	353	367	274	370	651	113
<u>Tactical Non-Combat</u>	<u>8,817</u>	<u>4,803</u>	<u>1,352</u>	<u>991</u>	<u>974</u>	<u>22</u>	<u>52</u>	<u>23</u>	<u>63</u>	<u>54</u>	<u>2</u>
Utility	979	383	240	219	230	0	0	0	0	0	0
Utility (multi-engine)	3,077	1,033	264	228	228	0	0	0	0	0	0
Transport	2,073	461	361	221	153	6	35	0	25	25	0
Transport (multi-engine)	2,688	2,926	487	323	363	16	17	23	38	29	5
<u>Training</u>	<u>13,771</u>	<u>13,395</u>	<u>8,421</u>	<u>6,395</u>	<u>7,855</u>	<u>638</u>	<u>536</u>	<u>559</u>	<u>688</u>	<u>612</u>	<u>116</u>
Trainer, primary	6,425	6,297	4,124	4,029	3,309	100	153	318	260	255	10
Trainer, advanced	7,346	7,098	4,297	2,366	4,546	538	383	241	428	357	106
<u>Lighter-Than-Air</u>	<u>-</u>	<u>594</u>	<u>-</u>	<u>96</u>	<u>93</u>	<u>0</u>	<u>0</u>	<u>30</u>	<u>33</u>	<u>50</u>	<u>2</u>
<u>Miscellaneous**</u>	<u>-</u>	<u>1,598</u>	<u>-</u>	<u>215</u>	<u>78</u>	<u>16</u>	<u>22</u>	<u>131</u>	<u>125</u>	<u>163</u>	<u>29</u>
Total Navy	117,043	80,855	23,712	21,360	23,088	2,423	2,376	2,818	2,724	2,880	955
Total Navy 7/1/40 to 12/15/42											
24,043											

NAVY PROCURED FOR ARMY AIR FORCES AND LEND-LEASE

Procured for AAF	-	59,364	-	24,785	45,947	1,492	1,634	1,667	1,741	1,670	(a)
Procured for Lend-Lease	-	13,370	-	2,447	2,206	194	227	314	285	341	93
Total AAF & L-L	-	72,734	-	27,232	48,153	1,686	1,861	1,981	2,026	2,011	93
Total AAF & L-L 7/1/40 to 12/15/42											48,246
GRAND TOTAL	117,043	153,589	23,712	48,592	71,241	4,109	4,237	4,799	4,750	4,891	1,048
GRAND TOTAL 7/1/40 to 12/15/42											(b)72,289

Note: The engine procurement program represents the installation and spare requirements for the Navy plane procurement program only.

* Estimated as of November 30, 1942, and based upon reports of naval inspectors, compiled and adjusted December 8, 1942.

** Includes experimental and test types.

(a) Deliveries not yet reported.

(b) Includes Army Air Forces deliveries through November 30, 1942.

Spare allowances changed in accordance with Case 1850 (revised).

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ENGINE REQUIREMENTS IN RELATION TO AIRPLANE ACCEPTANCES-NAVY PROGRAM ONLY

Class of Airplane	Airplanes Accepted 7/1/40 through 11/30/42	Engines Procured For Airplanes Accepted 7/1/40 through 11/30/42		Installation Engines Required For the Next Two Months	Total Engine Requirements 7/1/40 through 11/30/42	Engines Accepted 7/1/40 through 11/30/42
		Installation	Spare			
<u>Tactical Combat</u>	<u>5,788</u>	<u>6,832</u>	<u>3,637</u>	<u>2,540</u>	<u>13,009</u>	<u>14,088</u>
Scout Bomber	1,132	1,141	544	634	2,319	2,569
Torpedo Bomber	541	541	252	236	1,029	955
Patrol Bomber (2-engine)						
Boat	802	1,604	1,118	460	3,182	3,825
Landplane	47	94	47	424	565	502
Patrol Bomber (4-engine)						
Boat	29	116	75	220	411	546
Landplane	33	132	56	0	188	168
Observation Scout	1,624	1,624	795	71	2,490	2,572
Fighter	1,580	1,580	750	495	2,825	2,951
<u>Tactical Non-Combat</u>	<u>216</u>	<u>742</u>	<u>362</u>	<u>96</u>	<u>1,207</u>	<u>274</u>
Utility	152	160	80	14	254	230
Utility (multi-engine)	80	166	82	4	252	228
Transport	145	145	68	32	245	153
Transport (multi-engine)	139	278	132	46	456	363
<u>Training</u>	<u>2,227</u>	<u>2,620</u>	<u>1,862</u>	<u>823</u>	<u>8,304</u>	<u>7,811</u>
Trainer, primary	2,838	2,838	944	320	4,102	3,309
Trainer, advanced	2,689	2,782	918	503	4,203	4,546
<u>Experimental</u>	<u>14</u>	<u>20</u>	<u>20</u>	<u>4</u>	<u>44</u>	<u>174*</u>
GRAND TOTAL	11,845	13,221	5,881	3,463	22,565	23,088

ENGINE REQUIREMENTS IN RELATION TO AIRPLANES ON HAND-NAVY PROGRAM ONLY

Class of Airplane	Airplanes On Hand 11/30/42	Engines Required For Airplanes On Hand 11/30/42		Installation Engines Required For the Next Two Months	Total Engine Requirements 11/30/42	Engines On Hand 11/30/42
		Installation	Spare			
<u>Tactical Combat</u>	<u>4,909</u>	<u>5,901</u>	<u>3,217</u>	<u>2,540</u>	<u>11,658</u>	<u>12,605</u>
Scout Bomber	909	918	443	634	1,995	3,011
Torpedo Bomber	507	507	239	236	982	1,287
Patrol Bomber (2-engine)						
Boat	760	1,520	1,090	460	3,070	4,465
Landplane	40	80	40	424	544	318
Patrol Bomber (4-engine)						
Boat	28	112	66	220	398	549
Landplane	33	132	56	0	188	100
Observation Scout	1,568	1,568	770	71	2,409	2,841
Fighter	1,064	1,064	513	495	2,072	2,924
<u>Tactical Non-Combat</u>	<u>609</u>	<u>866</u>	<u>422</u>	<u>96</u>	<u>1,384</u>	<u>1,316</u>
Utility	223	230	115	14	359	375
Utility (multi-engine)	101	216	108	4	328	291
Transport	150	150	71	32	253	180
Transport (multi-engine)	135	270	128	46	444	470
<u>Training</u>	<u>2,477</u>	<u>2,569</u>	<u>1,849</u>	<u>823</u>	<u>8,241</u>	<u>9,087</u>
Trainer, primary	2,839	2,839	946	320	4,105	3,781
Trainer, advanced	2,638	2,730	903	503	4,136	5,306
<u>Experimental</u>	<u>27</u>	<u>41</u>	<u>41</u>	<u>4</u>	<u>86</u>	<u>202*</u>
GRAND TOTAL	11,022	12,377	5,529	3,463	21,369	26,160

Notes: Installation engine requirements for the next two months are based upon 8-M scheduled deliveries.

Airplanes on hand include only service and obsolescent types; engines installed in all airplanes on hand plus obsolete airplanes are included in engine on hand figures.

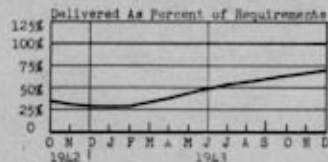
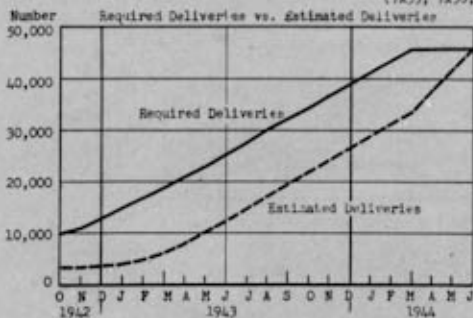
* Includes test types and lighter-than-air engines.

SELECTED FLIGHT AND NAVIGATIONAL INSTRUMENTS REQUIRED DELIVERIES VS. ESTIMATED DELIVERIES

Cumulative from October 31, 1942 through June 30, 1944.

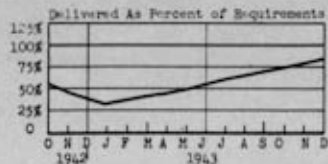
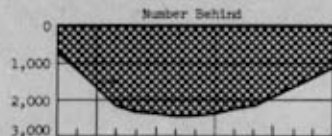
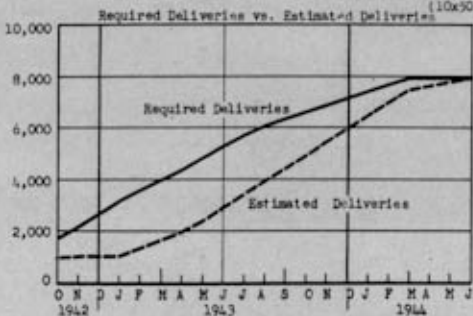
BINOCULARS

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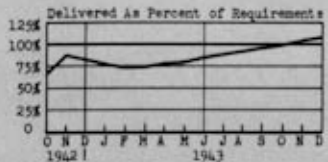
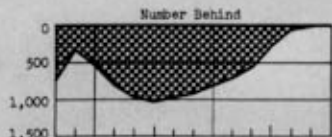
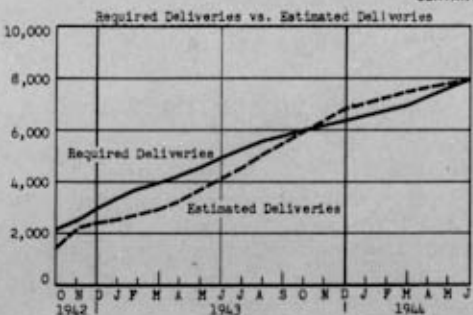


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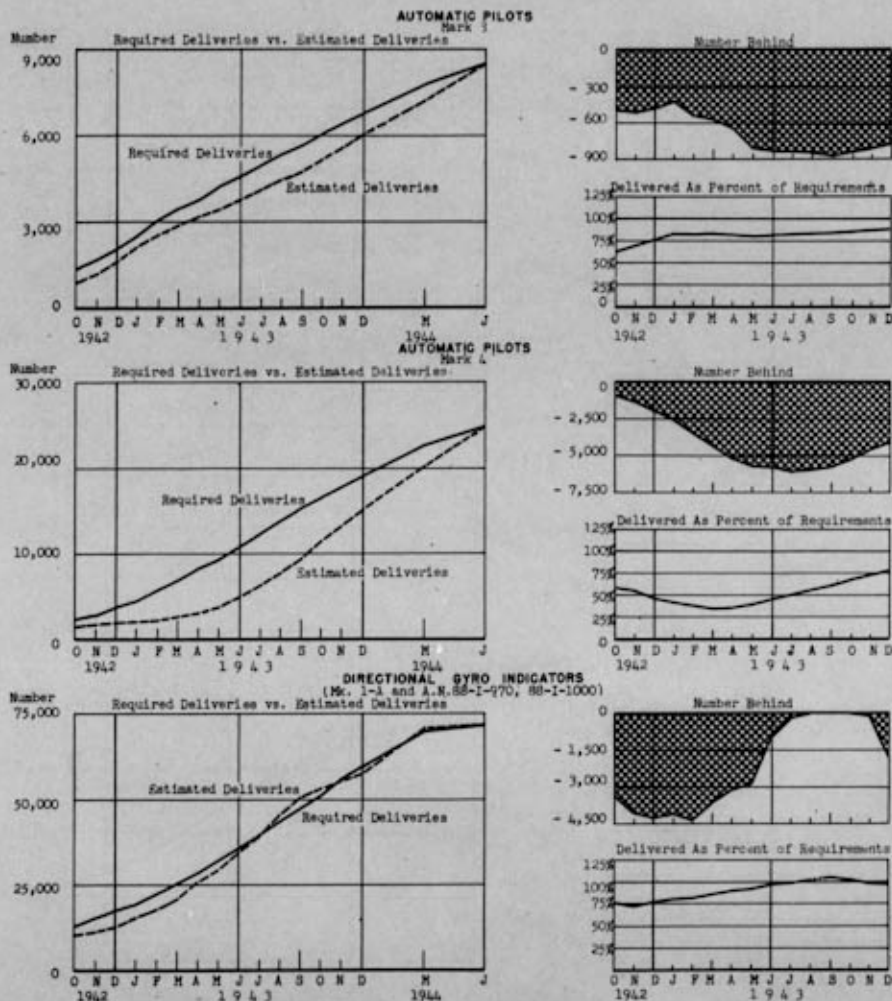
SEXTANTS



Notes: Requirements are based upon the WPS S-K Schedule with appropriate lead factor plus allowances for spares.

SELECTED FLIGHT AND NAVIGATIONAL INSTRUMENTS REQUIRED DELIVERIES VS. ESTIMATED DELIVERIES

Cumulative from October 31, 1942 through June 30, 1944.



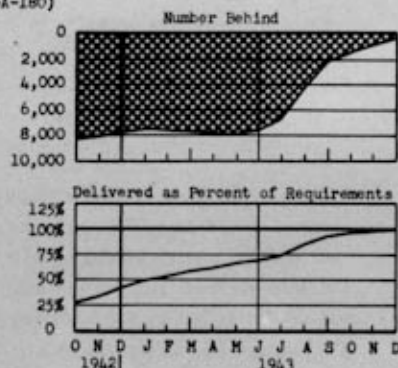
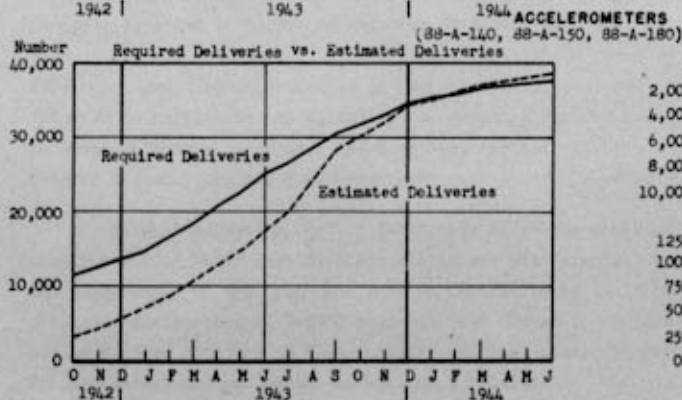
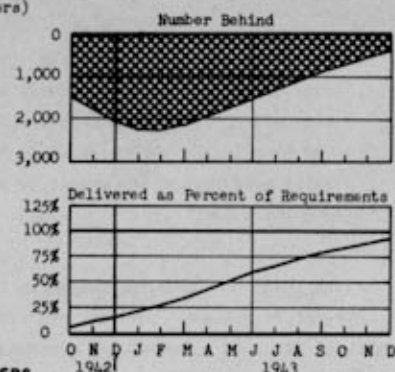
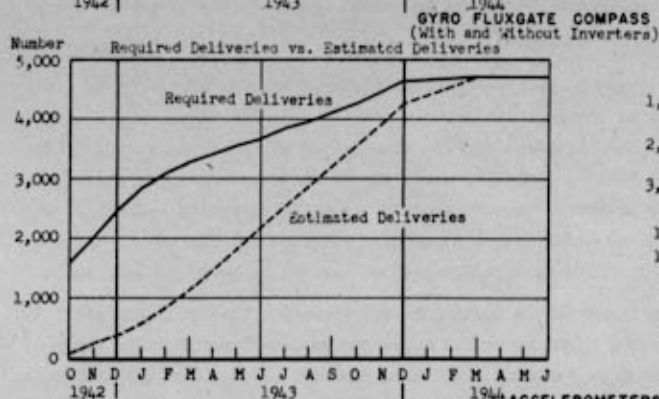
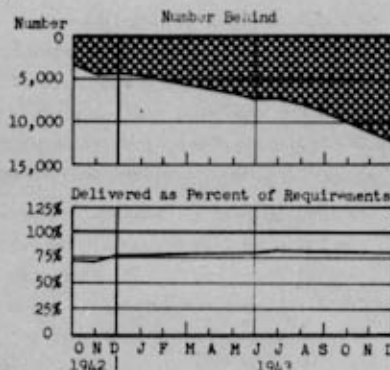
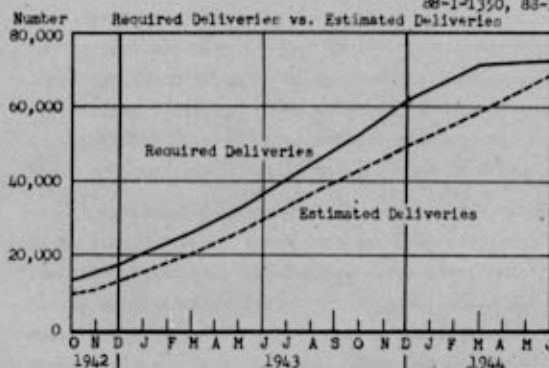
Notes: Requirements are based upon the WFB S-K Schedule with appropriate lead factor plus allowances for spares.

SELECTED FLIGHT AND NAVIGATIONAL INSTRUMENTS REQUIRED DELIVERIES VS. ESTIMATED DELIVERIES

Cumulative from October 31, 1942 through June 30, 1944.

GYRO HORIZON INDICATORS

(AN5736, 88-H-775, 88-H-780,
88-I-1350, 88-I-1355)



Notes: Requirements are based upon the WFB 8-K Schedule with appropriate lead factor plus allowances for spares.

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CRITICAL ITEMS - WEEK ENDED DECEMBER 12, 1942

GENERAL

The flow of raw materials and the procurement of small parts and hardware items continue to be the problems most frequently reported by aircraft manufacturers. The continuous turnover in labor and the difficulty encountered in finding new workers to meet expansion needs are other troublesome factors. Steel forgings, steel rod and bar, and aluminum alloy items are reported as especially tight, with warehouse stocks depleted, while slow deliveries of subcontracted items and scarcity of small fittings and hardware items cause further delays.

A warehousing plan has been approved for "earmarked" aircraft hardware. A list of products to be handled by the warehouses has been prepared; bolt and nut manufacturers will be asked to list items that they can furnish warehouses; and aircraft contractors will be requested to indicate their choices for warehouse locations. Elastic stop nuts still carry a tremendous backlog, despite the suggested substitutions, and required a rescheduling directive to prime contractors to base their orders on actual needs and scheduled deliveries.

RAW MATERIALS

The shifting of copper orders to lessen the load on copper mills has been found necessary again for January's allocation. The Production Resources Section, in charge of this operation, states that this procedure in February will be based on contractor furnished data. PRS also suggests a supplementary form to the present Exhibit A (form to be reported by applicant under the Controlled Materials Plan) to obtain a broader breakdown of copper and copper base alloy products to provide for specific allotments and definite milling capacities. This form, however, has not been approved as yet by the Copper Division, WPB.

The ASU approved a schedule for additional airframe and miscellaneous aluminum forgings for December after Alcoa Cleveland announced orders on their books for November totalled 16,553,926 pounds as against 8,500,000 pounds capacity. Computed requirements for February aluminum forgings are also reported in excess of capacity at Alcoa, Bohn Aluminum, and J. H. Williams companies, necessitating a realignment to come within capacities. January shipping schedules of blade forgings, agreed to in principle by propeller manufacturers, were given to the forge shops. In order to facilitate the allocation of forgings for Curtiss (SB2C) scout bombers and (SO3C) observation scouts, a request has been made for coordination in methods of ordering by the Curtiss Columbus plant and sub-contractors.

Additional magnesium casting facilities have been provided to meet Pratt & Whitney's peak requirements of their East Hartford and Kansas City plants. A principal problem now involves the procurement of new crankcase casting facilities in addition to Bohn Aluminum to meet the proposed acceleration of R-2800 engines. Two companies, Howard Foundry and American Radiator, are to receive patterns of this casting and will attempt to get into production within 60 days. Production for current schedules will be sufficient for six months but additional sources will be required if the proposed increased schedule is approved by the Joint Aircraft Committee.

(Concluded on next page)

CRITICAL ITEMS - WEEK ENDED DECEMBER 12, 1942 (Concluded)

The methyl-methacrylate (transparent plastic sheeting for visual outlets) shortage is especially pronounced for the heavy type of .375 thickness, with demand substantially exceeding current production and no relief in sight. This item will be handled as a special item of allocation, and the problem of increased production of this heavy type will be discussed with the producers.

The adoption of standard crating lumber sizes for crating Wright Aeronautical engines is being sought to eliminate the difficulty of procuring unpopular odd sizes.

TOOLS

The procedure for transferring Defense Plant Corporation tools and equipment has been shortened. A list of surplus machine tools also will be prepared and used by the Production Resources Section to relieve critical shortages. Thence, the list will be forwarded to the district procurement offices and to ANGE for recording.

ENGINES AND ACCESSORIES

The Aircraft Scheduling Unit approved an increase in aluminum piston allocations to Continental Motors, Muskegon, Michigan, for the R-670 engine. Continental reports that spare requirements and past deficiencies raised their total requirements to 21,000 pistons per month for the first quarter of 1943, as compared to their allocation of 8,400 per month. The larger number is reported within subcontractor Wyman-Gordon's production capacity.

ORDNANCE

MONTHLY ACTUAL OR ESTIMATED PRODUCTION
Torpedoes, Mines, Depth Charges, Bomb Cases, and Bombs
Calendar Year 1942

Item	ACTUAL PRODUCTION											ESTIMATED PRODUCTION	GRAND TOTAL CALENDAR YEAR 1942
	January	February	March	April	May	June	July	August	September	October	November	Total 1/1/42 Thru 11/30/42	
TORPEDOES (a)													
Aircraft - Mark 13	57	25	12	12	139	249	245	138	109	252	210	1,548	1,907
Submarine - Mark 14 & 16	157	162	154	125	137	146	185	249	256	254	279	2,106	2,486
Surface Craft - Mark 15	0	0	9	1	115	29	14	4	21	1	0	274	275
MINES (b)													
Aircraft - Mks. 12-1 and 13	Monthly data are not available prior to August 1942											4,388(c)	4,438
Submarine - Mark 12												50	50
Surface Craft - Mks. 6 & 16	1,049	2,500	3,000	4,000	5,000	6,036	0	0	0	4,660	1,745	27,990	31,990
DEPTH CHARGES (f)													
600 Lb. Mark 7	741	437	2,651	2,982	3,047	3,235	6,000	2,779	228	1,115	3,020	26,235	30,235
300 Lb. Marks 6 & 9	4,351	6,536	10,085	12,478	7,549	11,720	12,932	5,887	7,940	7,314	13,766	19,500	120,060
BOMB CASES (g)													
Navy Procured													
1600 Lb. A.P. Mark 1	80	125	429	599	564	1,302	1,405	1,570	1,595	1,505	713	9,627	11,037
1000 Lb. A.P. AN-Mk. 33	0	0	0	0	0	0	0	17	152	263	532	964	1,664
1000 Lb. G.P. Mk. 13 Mod. 2	1,620	2,400	3,480	4,170	4,029	4,287	4,753	4,361	5,258	4,186	4,046	43,190	5,500
650 Lb. Depth Mks. 29 & 37	0	0	0	0	1,260	4,260	4,660	5,220	5,107	13,732	11,614	52,227	14,500
500 Lb. G.P. Mk. 12 Mod. 2	6,120	5,410	8,640	5,500	6,120	4,660	5,580	5,220	5,107	5,473	5,041	62,671	5,000
325 Lb. Depth AN-Mk. 17	9,114	6,174	9,889	9,702	10,878	11,750	12,974	16,754	15,167	15,616	16,993	141,241	17,500
100 Lb. G.P. Mark 4 & Mod. 1	3,024	14,920	10,044	7,640	4,172	6,706	7,332	3,238	5,000	5,000	5,000	72,276	10,000
100 Lb. Incendiary (h)	0	10,752	6,526	16,832	4,490	1,012	0	0	0	0	0	40,020	40,020
30 Lb. Fragmentation Mk. 5	5,400	5,400	7,200	8,405	3,000	7,200	4,402	3,600	2,608	0	2,090	45,145	1,750
Mod. 3 (i)													
BOMBS (j)													
Army Procured													
2000 Lb. G.P. AN-Mk. 34	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 Lb. S.A.P. AN-Mk. 59	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 Lb. G.P. AN-Mk. 44	0	0	0	0	0	0	0	0	0	0	1,128	1,128	2,500
500 Lb. G.P. AN-Mk. 43	0	0	0	0	0	0	0	0	3,524	9,451	15,601	28,576	7,000
250 Lb. G.P. AN-Mk. 57	0	0	0	0	0	0	0	0	17,011	30,514	14,351	61,876	12,000
100 Lb. G.P. AN-Mk. 30	0	0	0	0	0	0	0	0	11,441	21,622	0	33,663	1,000
20 Lb. Frag. AN-544(f)	0	0	0	0	0	0	0	0	35,605	70,448	96,572	202,625	10,000
4 Lb. Incendiary AN-Mk. 5 & AN-Mk. 4(k)(f)	0	0	11,409	34,141	16,299	77,491	4,750	3,310	2,425	4,592	2,512	164,949	1,400

- (a) Complete loaded and proved.
(b) Production figures represent complete mines available for issue.
(c) Included in this total are 3236 mines produced during the period from January 1, 1942 through August 31, 1942.
(d) Included in this total are 71 Mark 12 mines produced during the period from January 1, 1942 through October 31, 1942.
(e) Includes 2000 Mark 6 for which firing devices only are required as other parts are on hand.
(f) Figures represent complete assemblies.

- (g) Represents actual or estimated production on U.S. Navy contracts only.
(h) Eventually the Army is to supply the Navy with its full requirements of General Purpose, Fragmentation and Incendiary Bombs. Actual and estimated production of Armor Piercing Bombs includes an amount to meet certain U.S. Army requirements.
(i) Item no longer required and production has been discontinued.
(j) To be replaced by 20 Lb. Fragmentation Bombs under requisition from the Army.
(k) Past deliveries shown for the Army are for loaded cases and do not represent complete assemblies as certain components are not yet in balance.
(l) Data shown represent number of clusters, each containing 34 bombs.

Source: MSR, Issue No. 6 and Bureau of Ordnance

Reference - For previous data see Q - M, Issue No. 10

Navy - O P & M

MONTHLY ACTUAL OR ESTIMATED PRODUCTION
 Ammunition, Gun and Mount Assemblies
 Calendar Year 1942

Item	A C T U A L P R O D U C T I O N											ESTIMATED PRODUCTION	GRAND TOTAL CALENDAR YEAR 1942	
	January	February	March	April	May	June	July	August	September	October	November	Total 1/1/42 Thru 11/30/42	December	
AMMUNITION #														
16" A.P., Mks. 5 and 8	30	2,265	2,025	74	317	300	1,241	2,468	696	1,269	0	10,685	660	11,345
16" H.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	75
14" A.P.	0	0	871	133	0	13	3	422	1,834	757	510	4,543	510	5,053
14" H.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	75
12" 50 A.P.	0	0	0	450	0	0	0	110	0	0	0	560	0	560
8" 55 A.P., Mk. 19	1,338	2,000	7,676	1,559	4,682	3,139	253	0	14	1,224	2,585	24,470	775	25,245
8" 55 H.C.	0	0	0	0	0	0	0	322	850	1,412	850	3,434	1,000	4,434
6" 53 & 6" 50 Common	440	3,162	1,250	6,250	1,104	1,710	4,232	3,495	1,423	0	0	23,066	0	23,066
6" 53 & 6" 47 H.C.	0	0	0	0	0	0	250	2,050	7,975	6,163	2,035	18,473	6,000	24,473
6" 47 Special Common & A.P.	0	0	323	0	2,578	453	6,112	0	1,417	2,881	9,626	23,390	3,570	26,960
5" 51 H.C.	0	0	0	0	0	0	0	0	775	0	944	1,719	2,500	4,219
5" 51 Illum.	0	0	1,200	1,272	2,372	0	60	0	0	0	300	5,204	0	5,204
5" 38 Common	3,000	3,000	1,000	0	8,000	6,000	4,000	1,000	1,000	1,000	0	28,000	3,000	31,000
5" 38 Illum.	233	3,880	6,819	3,364	3,067	5,990	1,800	4,171	9,779	3,800	6,342	49,245	9,000	58,245
5" 38 A.A.C.	7,000	21,000	27,000	50,000	34,000	38,000	70,000	51,000	64,000	49,000	72,000	483,000	126,000	609,000
5" 25 Illum.	900	600	0	311	555	0	0	2,155	0	0	0	4,521	500	5,021
5" 25 A.A.C.	11,000	2,000	5,000	20,000	4,000	12,000	13,000	2,000	3,000	0	2,000	74,000	17,000	91,000
4" 50 Common	5,501	13,568	14,847	2,450	13,705	1,900	8,501	16,337	28,681	10,211	17,566	133,267	10,000	143,267
4" 50 H.C.	0	0	0	0	0	0	0	0	0	0	0	0	2,000	2,000
4" 50 Illum.	0	0	1,100	0	3,229	498	3,124	226	1,158	0	987	10,322	710	11,032
3" 50 Common & A.P.	8,000	26,000	3,000	18,000	20,000	22,000	35,000	27,000	21,000	24,000	30,000	234,000	20,000	254,000
3" 50 Illum.	5,000	2,379	6,388	10,547	12,037	17,809	14,728	13,475	27,700	11,211	0	111,274	10,000	121,274
3" 50 A.A.	30,000	22,000	50,000	30,000	41,000	14,000	36,000	16,000	89,000	80,000	94,000	502,000	250,000	752,000
3" 23 A.A.	0	7,232	11,228	3,278	6,040	4,686	6,550	7,260	3,502	2,920	5,079	57,775	5,000	62,775
40mm.	0	0	15,000	10,000	253,000	588,000	598,000	790,000	1,216,000	1,439,000	1,868,000	6,777,000	2,500,000	9,277,000
171 A.A.	644,000	1,169,000	770,000	724,000	663,000	783,000	955,000	1,154,000	1,151,000	1,214,000	1,410,000	10,627,000	1,500,000	12,127,000
20mm. H.E. & H.E.T.	2,366,000	2,973,000	3,860,000	5,410,000	4,430,000	7,477,000	13,308,000	15,430,000	18,269,000	20,607,000	28,201,000	122,231,000	36,000,000	158,231,000
GUN AND MOUNT ASSEMBLIES														
Triple Turrets	0	0	0	0	0	0	0	0	0	0	0	0	1	1
16" 50 Cal.	0	0	0	0	0	0	3	0	0	0	0	12	0	12
16" 45 Cal.	3	0	6	0	0	0	0	0	0	0	0	0	0	0
8" 55 Cal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" 47 Cal.	0	4	4	4	4	4	5	4	3	0	3	35	0	35
Anti-aircraft	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5" 38 Cal. Twin	17	10	12	18	10	19	15	10	15	10	12	148	13	161
5" 38 Cal. Single Base Ring	39	13	27	64	55	77	61	58	63	57	59	573	40	613
5" 38 Cal. Mod. Type B.R.	0	0	0	0	0	0	11	11	26	29	12	89	17	106
5" 38 Cal. Single Pedestal	0	0	0	0	0	0	1	3	2	4	6	22	10	32
3" 50 Cal. D.P. Dry	123	125	134	178	201	216	272	196	234	196	245	2,152	274	2,426
3" 50 Cal. D.P. Wet	0	0	0	0	0	0	0	11	10	5	0	26	5	31
40mm. Twin - Power Driven	0	0	0	0	0	22	36	45	68	94	113	378	115	493
40mm. Quad - Power Driven	0	0	0	0	6	17	18	21	26	29	44	161	50	211
20mm.	602	772	1,416	2,150	2,636	2,948	3,138	3,267	3,284	3,356	3,546	27,115	3,800	30,915

Data are expressed in complete rounds.

* Contract completed and requirements are filled.

Source: MSH, Issue No 6 and Bureau of Ordnance

Reference - For previous data see O - M, Issue No. 10

Navy - OP&M

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SELECTED ORDNANCE ITEMS - ACTUAL AND ESTIMATED PRODUCTION

Item	Actual Production		Estimated Production		Percent Increase or Decrease November Actual vs. Estimated Production					
	October	November	November*	December	Percent	% Decrease			% Increase	
					75	50	25	0	25	50
<u>Anti-Aircraft Gun and Mount Assemblies</u>										
5"/38 Modified Type for Merchantmen - Mks. 30 and 37	29	12	11	17	+ 9%					
20mm	3,356	3,546	3,500	3,800	+ 1					
5"/38 Pedestal Mount	6	6	6	10	0					
3"/50 Jet Type	5	0	0	5	0					
3"/50 Double Purpose	196	245	250	274	- 2					
40mm Twin - power driven	94	113	115	115	- 2					
5"/38 Single Base Ring	57	59	65	40	- 9					
40mm Quad. - power driven	29	44	50	50	- 12					
5"/38 Twin	10	12	14	13	- 14					
<u>Bomb Cases (a)</u>										
1,000 lb. General Purpose Mk. 13, Mod. 2	4,186	4,646	4,000	5,500	+ 16					
500 lb. General Purpose Mk. 12, Mod. 2	5,073	5,041	5,000	5,000	+ 1					
325 lb. Depth Bomb Cases AN- Mk. 17	18,816	16,993	17,000	17,500	- 1					
650 lb. Depth Bomb Cases AN - Mks. 29 & 37	13,732	11,614	14,500	14,500	- 20					
1,000 lb. Armor Piercing AN - Mk. 33	263	532	750	700	- 29					
100 lb. General Purpose Mk. 4 and Mods.	5,000	5,000	10,001	10,001	- 50					
1,600 lb. Armor Piercing Mk. 1	1,505	713	2,150	1,150	- 67					
<u>Depth Charges</u>										
300 lb. Marks 6 and 9	7,314	13,768	12,000	19,500	+ 15					
600 lb. Mark 7	1,115	3,020	3,000	4,000	+ 1					
<u>Torpedoes</u>										
Aircraft - Mark 13	252	260	202	339	+ 29					
Submarine - Marks 14 and 18	254	279	270	380	+ 3					
Surface Craft - Mark 15	1	0	0	1	0					

* From MSR, Issue No. 5, as of October 31, 1942.

(a) Represents actual or estimated production on U.S. Navy contracts only. Eventually the Army is to supply the Navy with its full requirements of general purpose bombs.

SELECTED AMMUNITION ITEMS - ACTUAL AND ESTIMATED PRODUCTION

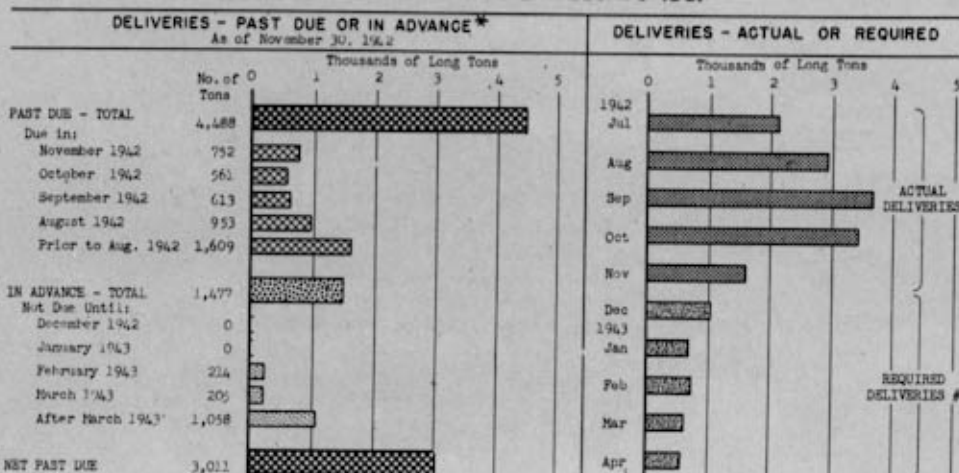
I t e m	Actual Production		Estimated Production		Percent Increase or Decrease Nov. Actual vs. Estimated Production									
	October	November	November *	December	Percent	% Decrease				% Increase				
						100	75	50	25	0	25	50		
4"/50 Illum.	0	987	0	710	-									
5"/51 Illum.	0	300	0	0	-									
8"/55 A.P.	1,224	2,585	1,000	775	+159%									
4"/50 Common	10,211	17,566	12,000	10,000	+46									
3"/23 A.A.	2,920	5,079	3,500	5,000	+45									
5"/38 Illum.	3,800	6,342	5,000	9,000	+27									
5"/38 A.A.C.	49,000	72,000	60,000	126,000	+20									
20mm H.E. and H.E.T.	20,607,000	28,201,000	26,500,000	36,000,000	+ 6									
14" A.P.	757	510	510	510	0									
5"/38 Common	1,000	0	0	3,000	0									
3"/50 Common and A.P.	24,000	30,000	30,000	20,000	0									
3"/50 A.A.	80,000	94,000	100,000	250,000	-6									
191 A.A.	1,214,000	1,410,000	1,500,000	1,500,000	-6									
40mm A.A.	1,439,000	1,868,000	2,000,000	2,500,000	-7									
8"/55 H.C.	1,412	850	1,500	1,000	-43									
5"/25 A.A.C.	0	2,000	5,000	17,000	-60									
5"/51 H.C.	0	944	2,500	2,500	-62									
6"/53 and 6"/47 H.C.	6,163	2,035	8,000	6,000	-75									
3"/50 Illum.	11,211	0	20,000	10,000	-100									
16" A.P.	1,269	0	1,020	660	-100									

Note: All high capacity ammunition is newly developed and production is just getting under way.

* From MSR, Issue No. 5, as of October 31, 1942.

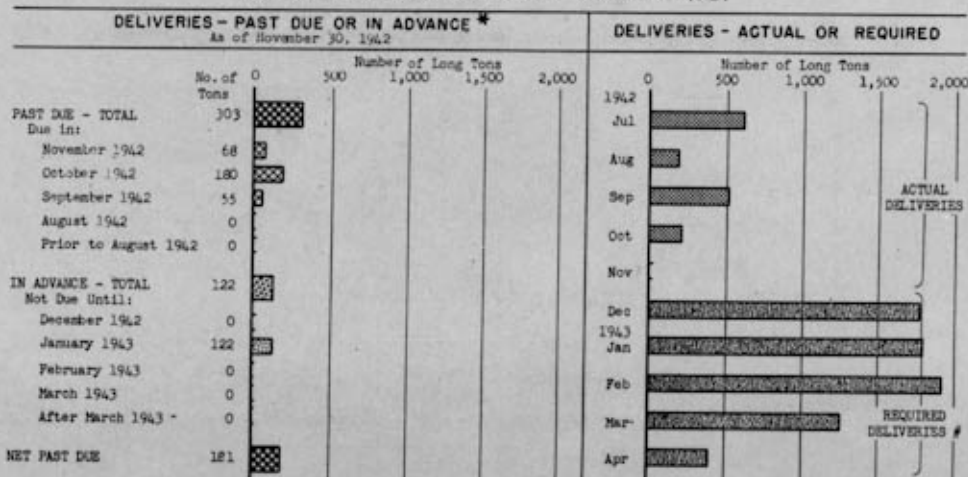
STATUS AND PROGRESS OF ARMOR DELIVERIES - BY TYPE OF SHIP

ARMOR DELIVERIES FOR BATTLESHIPS (BB)



Note: As of October 31, 1942, deliveries past due, in advance, and net past due were 5,224; 1,244; and 3,980 long tons respectively.

ARMOR DELIVERIES FOR LARGE CRUISERS (CB)



Note: As of October 31, 1942, deliveries past due, in advance, and net past due were 235; 122; and 113 long tons respectively.

* Based on shipbuilders' yard requests through November 30, 1942. Failure to meet yard request dates does not necessarily indicate that ship completions will be delayed.

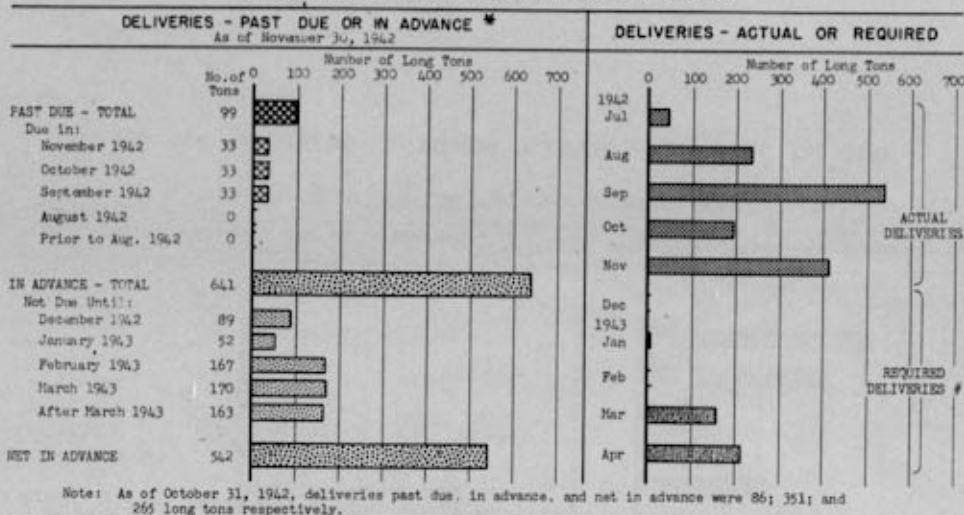
Required monthly deliveries represent the yard request for each month, less the number of tons which have already been delivered in advance for the month.

ORDNANCE

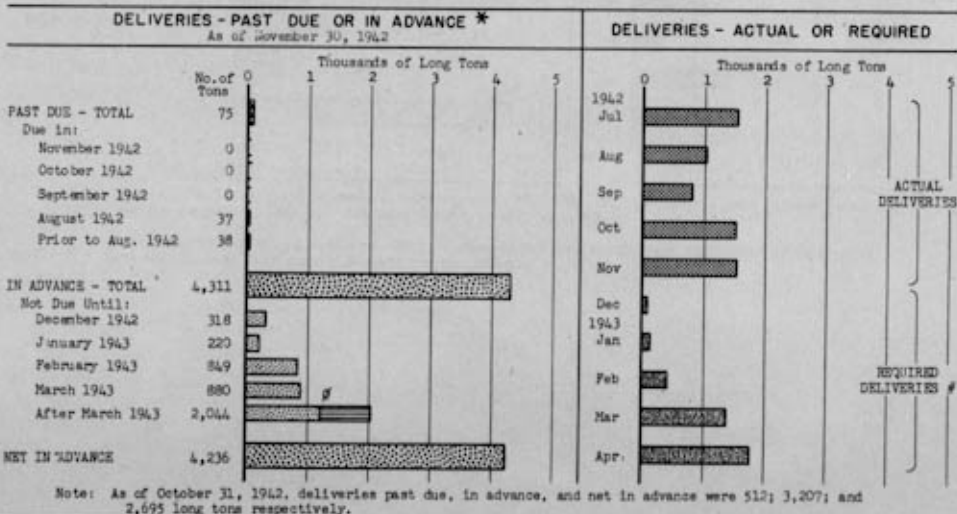
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STATUS AND PROGRESS OF ARMOR DELIVERIES-BY TYPE OF SHIP

ARMOR DELIVERIES FOR HEAVY CRUISERS (CA)



ARMOR DELIVERIES FOR LIGHT CRUISERS (CL)



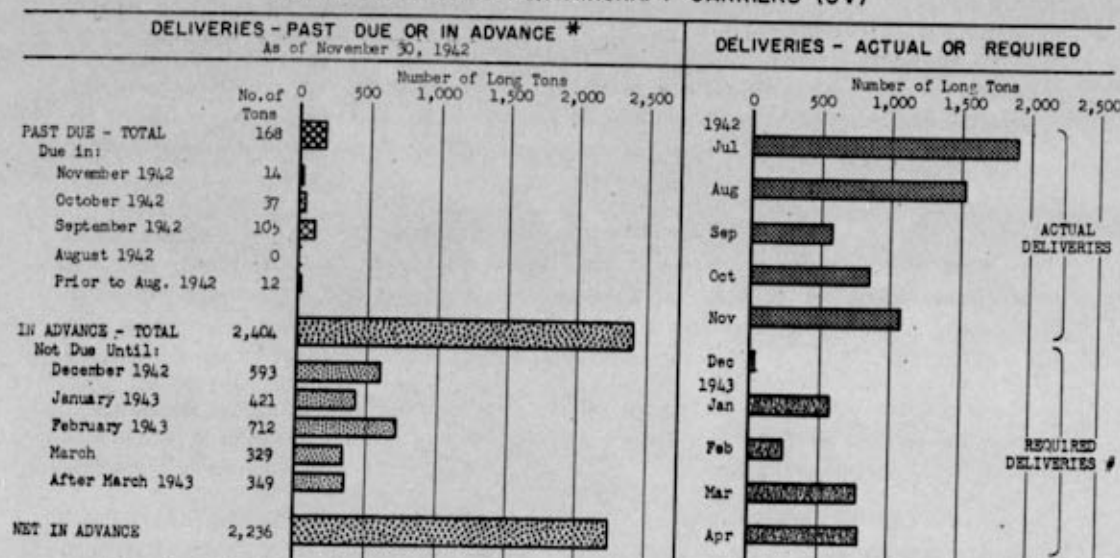
* Based on shipbuilders' yard requests through November 30, 1942. Failure to meet yard request dates does not necessarily indicate that ship completion will be delayed.

Required monthly deliveries represent the yard request for each month, less the number of tons which have already been delivered in advance for the month.

§ Represents deliveries for CL's which were later converted to CV's. Those deliveries will be used on CL's in the new program.

STATUS AND PROGRESS OF ARMOR DELIVERIES-BY TYPE OF SHIP

ARMOR DELIVERIES FOR AIRCRAFT CARRIERS (CV)



CRITICAL ITEMS - WEEK ENDED DECEMBER 12, 1942

Torpedoes - Production of submarine, destroyer and aerial torpedoes is lagging behind requirements. It has been decided that aircraft torpedoes are to be components of the aircraft program and are to have corresponding urgency.

Aluminum Ingot - Blanket percentage cuts in ingot to foundries threatens to throw all programs out of balance. The Bureau is balancing aluminum within allocations, and specific requests are being made when this is not possible. The Bureau has requested the OP&M to obtain sufficient ingot to produce the entire casting allocation.

Aluminum Wire, Rod and Bar - Authorizations are still insufficient to meet requirements although they are improved over the 3rd quarter. Material procurement for the Airplane Program restricts the present supply and threatens to interfere still more seriously. Projectile fuses affected by these items are barely sufficient for actual needs and any interruption in production would cause an acute situation.

Mark 14 Sights - Gyro deliveries, which have been a bottleneck in production of mark 14 sights, have improved; however, lack of suitable copper beryllium springs continues to be critical. The Bureau has requested the OP&M for aid in obtaining small quantities of satisfactory copper beryllium for use in springs. The mark 14 sight is new and has been in production for only several months. The demand for the sights has increased heavily.

20mm and 40mm Cartridge Cases - Lack of brass rolling and discing capacity has limited production. A satisfactory annealing process for steel has been developed. Steel cases are expected to be in production by mid-January.

1"/28 Breech Housings - Machine deliveries for current suppliers have been arranged satisfactorily to obtain limit of capacity at the earliest possible date. Full needs of the merchant ship arming program will not be met as a result of the shortage of this item.

3"/50 Breech Housings - Contractors' immediate tool requirements have been met by transfers and diversions within the Bureau's tool resources. Shortage of 3" guns for merchantmen is expected to continue.

Copper and Brass - A close check is being maintained on inventories of companies to ensure the most advantageous use of available supplies of copper and brass. The Bureau has requested the OP&M to ensure distribution of brass mill rod capacity among the services so that all branches will receive equitable treatment.

Ball Bearings - Production of completed bombsights is affected by the shortage of ball bearings. Present production is insufficient to fill both Navy and Army requirements.

Fuses, Mark 28 - Relaxation of tolerances is expected to result in increased production. Shortage affects 5" anti-aircraft common ammunition. Ammunition fitted with a substitute fuse which is not satisfactory in all respects has been issued to the fleet because of the shortage of the Mark 28 fuse.

MEDICINE & SURGERY

MEDICINE & SURGERY

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CRITICAL ITEMS—WEEK ENDED DECEMBER 12, 1942

Seven items are reported critical for the first time this week, as follows:

	Now Due	Delinquent
Metal pole litters, folding	2,400	1,628
Phorometers, trial frame & stand	0	0
Cassettes, X-Ray, double intens. Scr.	4,750	3,073
Catheters, urethral, semi-rigid, var.	7,200	4,014
Dressing basins	7,500	5,844
Foot tubs	4,800	4,584
Medical equipment boxes *	-	-

* No statistics reported; output delayed by lumber, plywood & hardware shortages.

OP&M is following up these equipment items with the naval advisors nearest to each manufacturer.

The remaining critical items this week were also reported critical last week. An improved rate of deliveries noted for several items. The naval advisor at Chicago informs OP&M that assistance has been rendered to the manufacturer of metal pole litters, steel rigid, so that shipment of 400 was made on December 10 and shipment of 200 each day is expected thereafter. Twelve thousand of these litters are due and none have been thus far received.

The delivery situation is as follows for the remaining medical supplies and equipment on the critical list:

Deliveries			I t e m	Total No. of Units Delivered to Date	Number of Units Delinquent
Week Ended					
Nov 28	Dec 5	Dec 12			
9,600	4,800	9,600	Clinical thermometers	212,400	47,600
5	0	0	Field autoclave sterilizers	69	231
0	0	0	Developing units, comp.	7	5
0	90	45	Large operating tables	270	130
8	11	15	Dental oper. chairs, motorless	131	169
0	20	18	Dental oper. units, Jr.A	98	142
39	0	22	Dental oper. Sr.A (Ritter)	187	38
0	0	0	Dental oper. units (White)	28	197
0	0	0	Splints and appliances	0	7,200
0	750	0	Wool field blankets, green	5,000	0
10	5	24	Sterilizers, var. (Amer.)	68	192
300	0	300	Sterilizers, (Felton & Crane)	1,200	0
0	0	50	Microscopical outfits	300	50
84	250	0	Human albumin serum (pgs.)	334	42,166

(Concluded on Next Page)

CRITICAL ITEMS—WEEK ENDED DECEMBER 12, 1942 (Concluded)

Human Albumin Serum

The senior naval advisor at Philadelphia interviewed an albumin serum manufacturer in that city and reports that production equipment is on hand but in the testing stage, awaiting sample approvals of Prof. Cohn of Harvard. Deliveries will be affected by the possibility of breakdowns of the complicated and delicate processing machinery and by shortages of human blood. The latter, according to the manufacturer, was discussed with Red Cross officials in Washington on December 14.

The naval advisor at Indianapolis interviewed an albumin serum manufacturer there and learned that 84 units had been delivered and approved by Dr. Cohn; additional units are manufactured and on hand, but shipment is withheld. The manufacturer is not satisfied with the specifications and has reported to BuMed that the present serum when subjected to climatic changes becomes cloudy and toxic.

Sterilizers, Field Autoclave

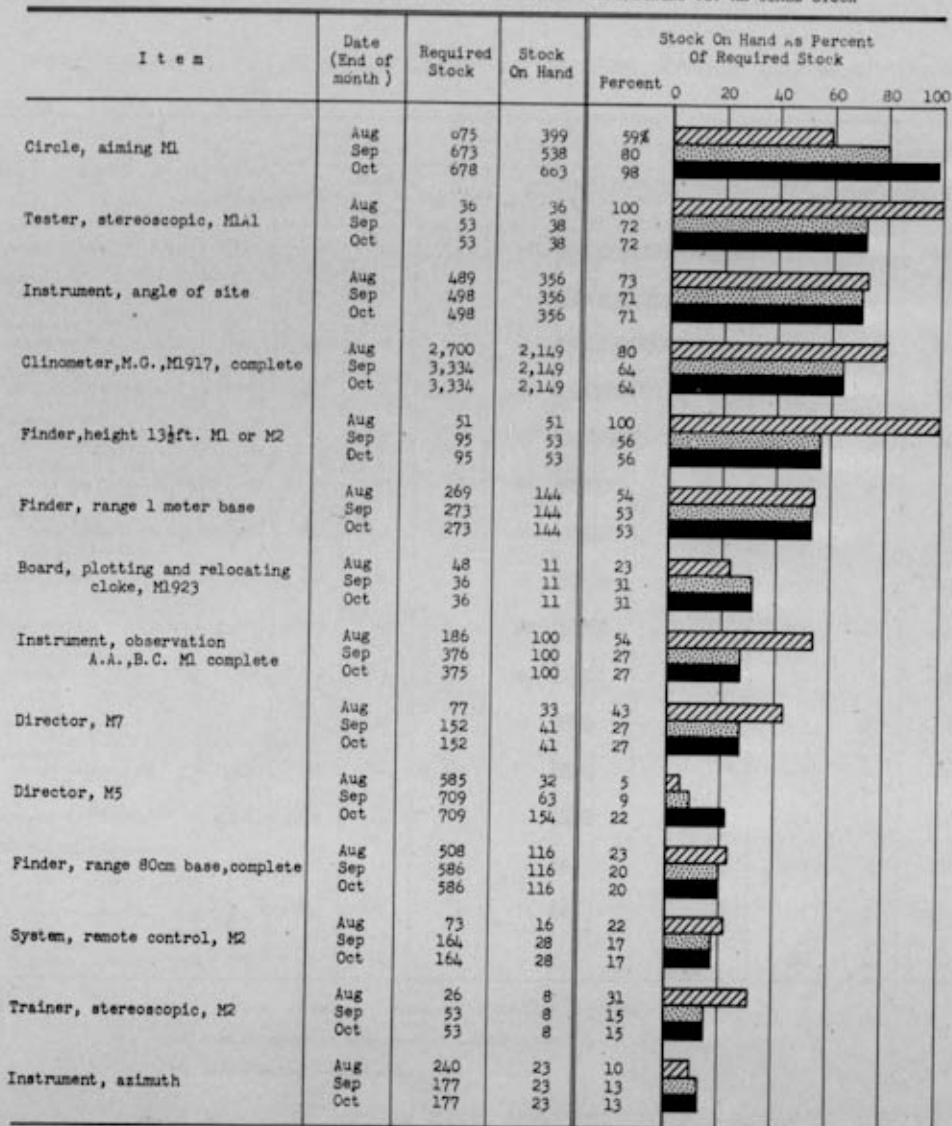
The senior naval advisor at New York advises as of December 15, 1942 that 75 valves were shipped express on December 14, and another 139 are promised for shipment on December 20, from Detroit to the Long Island City manufacturer of autoclave sterilizers. Lack of these valves has delayed completion of the Sterilizers. The manufacturer states that he can ship twelve sterilizers per day after the valves are received.

U. S. MARINE CORPS

U. S. MARINE CORPS

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SELECTED SIGHTING AND FIRE CONTROL EQUIPMENT ITEMS - INVENTORIES VS. REQUIRED STOCK



Note: All items procured from Chief of Ordnance, U.S. Army.

Reference - For previous data see Q-M, Issue No. 6

Source: MSR, Issue No. 5

Navy - OP & M

U. S. MARINE CORPS

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PROCUREMENT STATUS OF SELECTED SIGHTING AND FIRE CONTROL EQUIPMENT ITEMS

I t e m	Total Program 7/1/40 to 12/31/44	Required 7/1/40 to 11/1/42		Delivered 7/1/40 to 11/1/42						Past Require- ments Unfilled*	Future Requirements		
		Quantity	Percent of Total Program	Quantity	Deliveries As Percent of Quantity Required						On Order	Not On Order	
					0	20	40	60	80	100			
Circle, aiming M1	1,081	742	69%	727	98%						15	0	339
Tester, stereoscopic, M1A1	84	55	65	40	73						15	0	29
Instrument, angle of site	644	417	65	275	66						142	0	227
Clinometer, M.G., M1917, complete	6,085	3,518	58	2,333	66						1,185	1,819	748
Finder, height 13 1/2 ft. M1 or M2	165	78	47	36	46						42	0	87
Board, plotting and relocating clocks, M1923	45	39	87	14	36						25	18**	0
Finder, range 1 meter base	426	181	42	52	29						129	0	245
Director, M7	273	154	56	43	28						111	0	119
Director, M5	1,380	766	56	211	28						555	156	458
Trainer, stereoscopic, M2	89	60	67	15	25						45	0	29
Instrument, azimuth	228	196	86	42	21						154	47**	0
System, remote control, M5	1,383	769	56	163	21						606	0	614
Quadrant Gunner, M1	2,512	1,600	64	328	20						1,272	0	912
Instrument, observation A.A., B.C. M1 complete	562	299	53	24	8						275	0	263
System, remote control, M2	263	144	55	8	6						136	0	119
Finder, range 80cm base, complete	778	497	64	27	5						470	0	281

Note: All items are procured from Chief of Ordnance, U.S. Army.

* Past requirements have not been totally ordered for 12 of the items listed.

** Orders exceed requirements.

U. S. COAST GUARD

U. S. COAST GUARD

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STRENGTH OF U.S. COAST GUARD FLEET

AUTHORIZED AND PLANNED

November 31, 1942 through June 30, 1944

(Estimated on hand figures assume no interim losses)

Type and Symbol	On Hand 11/30/42	Estimated Completions		Estimated On Hand 12/31/42	Estimated Completions				Estimated On Hand 12/31/43	Estimated Completions		Estimated On Hand 6/30/44
		1942	December		1943					1944		
					1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.				
<u>Vessels - Cruising Cutters</u>	<u>83</u>	<u>2</u>		<u>86</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>26</u>	<u>0</u>	<u>6</u>	<u>100</u>
327' Gunboat PG	6	0		6	0	0	0	0	6	0	0	6
290' Ice Breaker, Great Lakes AG	0	0		0	0	0	0	1	1	0	0	1
269' Ice Breaker, Greenland AG	0	0		0	0	0	1	3	4	0	0	4
255' Gunboat PG	0	0		0	0	0	0	0	0	0	6	6
240' Gunboat PG	4	0		4	0	0	0	0	4	0	0	4
165' (A) Gunboat PG	6	0		6	0	0	0	0	6	0	0	6
165' (B) Patrol Craft PC	17	0		17	0	0	0	0	17	0	0	17
125' Patrol Craft PC	33	0		33	0	0	0	0	33	0	0	33
Misc. Cutters Over 100'	17	3		20	5	0	0	0	25	0	0	25
<u>Cutters, Tender Class AGI</u>	<u>82</u>	<u>2</u>		<u>85</u>	<u>0</u>	<u>6</u>	<u>2</u>	<u>8</u>	<u>106</u>	<u>6</u>	<u>2</u>	<u>114</u>
230' Greenland	1	0		1	0	0	0	0	1	0	0	1
180'	7	0		7	0	4	6	2	19	1	3	23
114' Western River Tow Boat	1	0		1	0	0	0	0	1	0	0	1
113' River Tender	2	1		3	0	0	1	1	5	3	0	8
100' River Tender	0	2		2	0	2	0	3	7	2	0	9
73' River Tender	1	0		1	0	0	0	2	3	0	0	3
100' and Over, Miscellaneous	55	0		55	0	0	0	0	55	0	0	55
Less than 100', Miscellaneous	15	0		15	0	0	0	0	15	0	0	15
<u>Cutters, Harbor and Inshore</u>	<u>13</u>	<u>0</u>		<u>13</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>22</u>	<u>0</u>	<u>0</u>	<u>22</u>
92' to 120' Harbor Tug YT	13	0		13	0	0	0	0	13	0	0	13
110' Harbor Tug YT	0	0		0	4	5	0	0	9	0	0	9
<u>Barges</u>	<u>81</u>	<u>10</u>		<u>91</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>0</u>	<u>101</u>
110'	1	0		1	0	0	0	0	1	0	0	1
Over 65'	15	0		15	0	0	0	0	15	0	0	15
Less than 65'	45	0		45	0	0	0	0	45	0	0	45
Fire	3	10		13	10	0	0	0	23	0	0	23
Quarter	17	0		17	0	0	0	0	17	0	0	17
<u>Other Vessels</u>	<u>2,121</u>	<u>16</u>		<u>2,137</u>	<u>18</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>2,166</u>	<u>0</u>	<u>0</u>	<u>2,166</u>
Lightship	37	0		37	0	0	0	0	37	0	0	37
Weather	4	0		4	0	0	0	0	4	0	0	4
Special Craft	19	13		32	18	10	0	0	60	0	0	60
Reserve Boat												
(accepted for limited period)	2,059	0		2,059	0	0	0	0	2,059	0	0	2,059
Ice Flow	1	3		4	0	0	0	0	4	0	0	4
Dry Dock	1	0		1	0	0	0	0	1	0	0	1
<u>Small Boats, Cutters</u>	<u>151</u>	<u>10</u>		<u>161</u>	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>	<u>289</u>	<u>0</u>	<u>0</u>	<u>289</u>
83' Cutter	86	10		96	30	36	36	26	224	0	0	224
80' Cutter	9	0		9	0	0	0	0	9	0	0	9
78' Cutter	6	0		6	0	0	0	0	6	0	0	6
75' Cutter	44	0		44	0	0	0	0	44	0	0	44
72' Cutter	3	0		3	0	0	0	0	3	0	0	3
65' Cutter	3	0		3	0	0	0	0	3	0	0	3
<u>Patrol Boats</u>	<u>261</u>	<u>48</u>		<u>309</u>	<u>278</u>	<u>0</u>	<u>0</u>	<u>6</u>	<u>593</u>	<u>1</u>	<u>2</u>	<u>599</u>
64' Harbor Craft	0	0		0	0	0	0	6	6	3	3	12
50' Harbor Patrol Boat	0	0		0	50	0	0	0	50	0	0	50
38' Cabin Picket Boat	261	48		309	228	0	0	0	537	0	0	537
<u>Other Small Boats</u>	<u>1,527</u>	<u>88</u>		<u>1,615</u>	<u>160</u>	<u>24</u>	<u>24</u>	<u>26</u>	<u>1,869</u>	<u>0</u>	<u>0</u>	<u>1,869</u>
Fire Boat	145	24		169	56	0	0	0	225	0	0	225
Life Boat	1,064	16		1,080	34	11	9	15	1,129	0	0	1,129
Work Boat	61	4		65	12	7	8	0	92	0	0	92
Utility Boat	28	5		33	12	3	1	3	52	0	0	52
Miscellaneous Small Boats	249	39		288	46	13	6	18	371	0	0	371
GRAND TOTAL	4,319	178		4,497	505	91	68	80	5,241	9	12	5,262

Source: U.S. Coast Guard

Reference - For previous data see Q-M, Issue No. 10

Navy - OP&M

MONTHLY ACTUAL OR ESTIMATED COMPLETIONS

Vessels - Coast Guard

Calendar Year 1942

T y p e	A C T U A L C O M P L E T I O N S												ESTIMATED COMPLETIONS *	GRAND TOTAL CALENDAR YEAR 1942
	January	February	March	April	May	June	July	August	September	October	November	Total 1/1/42 Thru 11/30/42	December	
<u>Cutters</u>														
83' Class	4	5	6	4	1	0	7	10	13	7	8	65	10	75
Miscellaneous, 100' and Over	0	0	0	0	1 (1)	0	4 (4)	1 (1)	2 (2)	3 (3)	0	11 (11)	3 (3)	14 (14)
<u>Tenders</u>														
230' Class	0	0	0	0	0	0	0	0	0	1	0	1	0	1
160' Class	0	0	0	0	0	0	0	0	1	2	4	7	0	7
113' Class	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100' Class	0	0	0	0	0	0	0	0	0	0	0	0	2	2
<u>Barges</u>														
Over 65'	0	0	0	0	1	3	4	0	0	0	0	8	0	8
Fire	0	0	0	0	0	0	1	0	0	0	2	3	10	13
<u>Miscellaneous</u>														
Special Craft	0	0	0	0	0	0	0	0	2 (2)	0	1 (1)	3 (3)	13 (13)	16 (16)
Reserve Boats **	172	172	172	172	172	173	248	219	290	290	99	2,059	0	2,059
114' River Tow Boat	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Floating Drydock	0	0	0	0	0	0	1	0	0	0	0	1	0	1
GRAND TOTAL	176	177	178	176	175 (1)	176	265 (4)	230 (1)	268 (4)	260 (3)	75 (1)	2,159 (14)	39 (16)	2,198 (30)

Note: Entry in parenthesis refers to conversions included in accompanying figure.

* Estimates of completions are those of the U.S. Coast Guard as of December 10, 1942.

** Reserve boats accepted from owners for a limited period.

U. S. COAST GUARD

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DELIVERY OF RADIO ITEMS DURING 1942

Item	Status of 1942 Required Deliveries										Monthly Deliveries				
	Total Re-quired	Deliveries			Deliveries, as Percent of Total Required						Actual				
		Actual 1/1 to 10/31	Esti-mated 11/1 to 12/31	Total Year	Actual 1/1 to 10/31	Esti-mated for Year						Oct	Oct 5	Nov	Dec
							0	20	40	60	80				
Receiver R-100 (Ships-Shore Stations)	91	0	70	70	0%	77%						0	70	30	40
Alarm Device LSR-635 (Ships-Shore)	117	0	87	87	0	74						0	0	87	0
Direction Finder DAE (83' Patrol Boats)	169	112	12	124	66	73						75	30	12	0
Receiver R-115 (Ships Radiobeacon-Misc.)	359	100	160	260	28	72						0	0	80	80
Direction Finder RDSC-121	115	51	31	82	44	71						35	61	21	10
Transmitter T-106 (Ships)	13	0	9	9	0	69						0	0	9	0
Trans-Receiver TRC-120 (Small Boats)	2,000	949	301	1,250	47	63						374	200	176	125
Transmitter-Portable TPC-119 (Ships)	276	170	0	170	62	62						74	74	0	0
Trans-Receiver TRC-115 (Ships & Patrol Boats)	386	206	30	236	53	61						0	0	0	30
Transmitter-Power Amplifier LSR-520 (Ships-Shore)	62	0	36	36	0	58						0	0	36	0
Trans-Receiver TRC-109 (Small Boats - Ships)	2,220	1,095	175	1,270	49	57						26	26	60	115
Analyzer MM-115	377	48	160	208	13	55						0	25	160	0
Microvolter	20	0	10	10	0	50						0	0	0	10
Receiver RC-123 (Ships)	508	212	21	233	42	46						121	62	21	0
Transmitter ET-8019 (Offshore Patrol Boats)	18	3	0	3	17	17						0	5	0	0
Transmitter ET-8010 (Offshore Patrol Boats)	15	2	0	2	13	13						2	5	0	0
Trans-Receiver TRC-121 (Small Boats)	300	0	20	20	0	7						0	0	0	20
Trans-Receiver TRF-3 (Ships)	95	0	0	0	0	0						0	0	0	0
Trans-Receiver TCF	15	0	0	0	0	0						0	15	0	0
FM Radio-Telephone TC-122-RC-125 (Small Boats)	200	0	0	0	0	0						0	0	0	0
Receiver R-116 (Ships)	160	0	0	0	0	0						0	0	0	0
Transmitter TB-107 (Ships-Shore)	20	0	0	0	0	0						0	0	0	0
Transmitter TCE (Ships)	40	0	0	0	0	0						0	0	0	0

* Estimated MSR, Issue No. 4, as of September 30, 1942.

CRITICAL ITEMS - WEEK ENDED DECEMBER 12, 1942

As reported in past issues, completion of 83' cutters, which are urgently needed by the Sea Frontier Command, has been impeded by continuous shortages of materials and component parts. Causes for this vary from time to time but recently the schedules have been held up due to slow deliveries of switchboards, heat exchangers, TRC-115 trans-receivers and $\frac{1}{2}$ " Flexi glass. While it is reported that the bottlenecks in switchboards and heat exchangers have been temporarily alleviated, the other items remain critical.

It is again reported that deliveries of gasoline engines needed for replacement machinery on purchased offshore picket boats are being delayed because of small items of bearing material expected from Both Aluminum and Brass Company.

FACILITIES

FACILITIES

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NAVY FACILITIES EXPANSION PROGRAM

(Includes Lend-Lease but does not include Coast Guard)

July 1, 1940 through October 31, 1942

(Figures in Thousands)

Type of Facilities and Bureau	Author-izations	Obliga-tions	Other Commitments	Uncommitted Balance
<u>PRODUCTION FACILITIES</u>	<u>\$3,929,374</u>	<u>\$2,734,024</u>	<u>\$154,234</u>	<u>\$1,041,116</u>
<u>Shipbuilding and Repair Facilities</u>	<u>2,501,385</u>	<u>1,629,956</u>	<u>12,961</u>	<u>858,468</u>
Financed by Bureau of Ships (a)	2,375,512	1,504,083	12,961	858,468
Financed by Bureau of Yards and Docks	125,873	125,873	-	0
<u>Ordnance Facilities</u>				
Financed by Bureau of Ordnance (a)	<u>765,680</u>	<u>562,782</u>	<u>97,248</u>	<u>105,650</u>
<u>Aircraft Facilities</u>				
Financed by Bureau of Aeronautics	<u>662,309</u>	<u>541,286 (b)</u>	<u>44,025 (b)</u>	<u>76,998</u>
<u>NON-PRODUCTION FACILITIES</u>	<u>4,486,351</u>	<u>4,072,603</u>	<u>-</u>	<u>413,748</u>
Fleet Facilities	245,814	245,814	-	0
Aeronautics Facilities	1,131,370	1,130,083	-	1,287
Ordnance Facilities (c)	304,222	304,222	-	0
Storage Facilities	437,910	437,910	-	0
Structures for Naval Personnel	356,749	356,749	-	0
Marine Corps Facilities	130,062	130,062	-	0
Hospital Facilities	111,938	111,938	-	0
Advance Bases	801,408	597,286	-	204,122
British Bases	135,039	135,039	-	0
Lend-Lease	146,570	146,570	-	0
Not Distributed	203,152	13,178	-	189,974
All Other	482,117	463,752	-	18,365
<u>GRAND TOTAL NAVY FACILITIES EXPANSION</u>	<u>\$8,415,725</u>	<u>\$6,806,627</u>	<u>\$154,234</u>	<u>\$1,454,864</u>

Notes: Authorizations: Consist of specific legislative authorizations and administrative allocations.

Obligations: Represent the total amount of contracts, project orders, requisitions, letters of intent issued, and allocations, including amounts furnished initially by DPC, except for BuAero-DPC projects - see Note (b) below.

Other Commitments: Represent the total amount of "letters of intent not yet issued", "project orders not yet issued", "contracts being prepared", and "applications awaiting approval of WFB" (BuAero), including amounts to be furnished initially by DPC, except for BuAero-DPC projects - see Note (b) below.

(a) Include relatively small amounts for non-production facilities.

(b) For BuAero-DPC projects, obligations and other commitments include the estimated contingent liability of BuAero to DPC where such liability is charged against authorizations by BuAero.

(c) Represent Ordnance facilities financed by BuDocks, including transfers of minor amounts from Secretary's Office and President's Emergency Fund, and include an undetermined amount of production facilities.

Reference - For previous data see Q - M, Issue No. 10

Source: Bureau of Ships, Ordnance, Aeronautics, and Yards and Docks

Navy - OP&M

FACILITIES

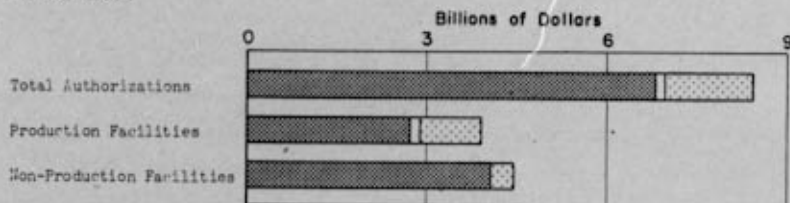
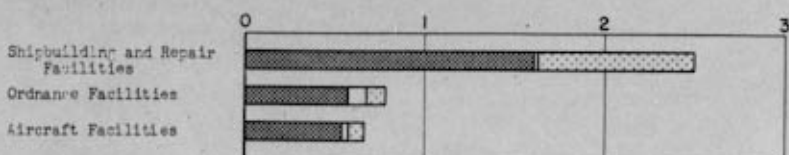
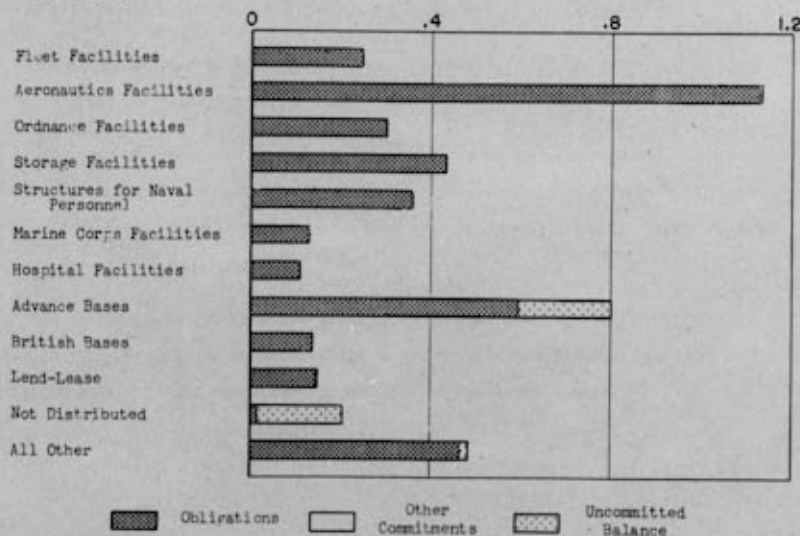
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NAVY FACILITIES EXPANSION PROGRAM

(Including Lend-Lease)

As of October 31, 1942

TOTAL NAVY

PRODUCTION FACILITIES
By PurposeNON-PRODUCTION FACILITIES
By Purpose

Note: All data are exclusive of Coast Guard.

Reference - For previous data see Q-M, Issue No. 10

Source: Bureau of Ships, Aeronautics, Ordnance, and Yards and Docks

Navy - OP & M

CRITICAL ITEMS--WEEK ENDED DECEMBER 12, 1942

The Bureau finds that conditions relative to the procurement of fabricated items remains more or less unchanged. The most critical items at the present time appear to be pipe flanges, pumps, ventilating fans, blast heaters, air conditioning units, wire and copper products, electric generators and motors, electric switchgear, forgings of all types, castings and valves. Explosion-proof motors for special uses and explosion-proof fixtures also present a difficult problem in procurement.

The chief bottleneck in most of these instances appears to be the lack of sufficient fabricating facilities to handle orders received in the time specified. The raw material needed for manufacture of items noted is generally on hand or immediately available.

Procurement of reinforcing steel is evidently satisfactory in that there have been no reports received in the Bureau requesting assistance in this line.

Cement deliveries in a few isolated cases appear to be a little tight; however, by rescheduling, the situation is generally relieved.

It is to be noted that kitchen equipment for use at training stations is particularly difficult to procure due principally to the fact that manufacturing facilities for this class of work are entirely inadequate to meet the present-day demands. This item often causes delays in occupancy of a facility.

The situation regarding lumber procurement continues to be fairly satisfactory. No great difficulty is being encountered in the procurement of dimensioned material and only slight delays are being experienced in delivery of boards and timber.

PERSONNEL

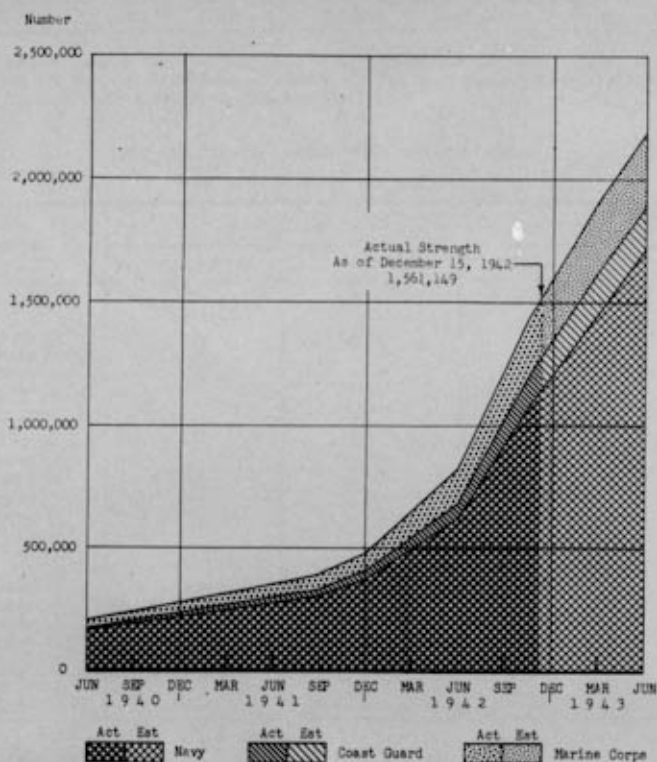
PERSONNEL

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ACTIVE DUTY STRENGTH - NAVY, MARINE CORPS AND COAST GUARD

As of December 15, 1942

Branch of Service	Officers	Enlisted Men	Nurses	Total
NAVY	116,192	1,073,062	2,925	1,192,179
Regulars	21,163	303,844	1,154	326,161
Reserves	95,029	769,818	1,771	866,618
MARINE CORPS	12,753	221,603	-	234,356
Regulars	3,859	87,250	-	91,109
Reserves	8,894	134,353	-	143,247
COAST GUARD	5,098	129,116	-	134,214
Regulars	2,488	27,860	-	30,348
Reserves	2,610	101,256	-	103,866
GRAND TOTAL	134,043	1,424,181	2,925	1,561,149



Source: Bureau of Naval Personnel, U.S. Marine Corps and U.S. Coast Guard

Navy - OP & M

PERSONNEL

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SEMI-MONTHLY ENLISTMENTS - NAVY ONLY

November 1-15 and 16-30, 1942

Type of Enlistment	Regulars		Reserves		Total		Percent Increase
	Nov 1-15	Nov 16-30	Nov 1-15	Nov 16-30	Nov 1-15	Nov 16-30	
<u>First Enlistments</u>	2,988	2,662	24,261	25,590	27,249	28,252	1.8%
Apprentice Seaman	2,920	2,574	31,343	31,608	34,263	34,182	-0.2
Mess Attendant	68	88	749	812	817	900	10.2
Rated	0	0	12,725	12,767	12,725	12,767	.3
Non-Rated	0	0	9,444	10,403	9,444	10,403	10.2
<u>Reenlistments</u>							
Broken Service	72	41	302	289	374	330	-11.8
<u>Officer Candidates</u>			2,492	2,981	2,492	2,981	19.6
V-1, College Students	-	-	283	369	283	369	30.4
V-5, Aviation Cadets	-	-	2,102	2,386	2,102	2,386	13.5
V-7, Reserve Midshipmen	-	-	107	136	107	136	27.1
GRAND TOTAL	3,060	2,703	57,055	58,860	60,115	61,563	2.4

Note: Number of men on inactive duty, but under jurisdiction of recruiting stations was 23,567 on July 31; 31,094 on August 31; 39,412 on September 30; 41,839 on October 31; and 44,231 on November 30, 1942.

WEEKLY ENLISTMENTS - MARINE CORPS AND COAST GUARD

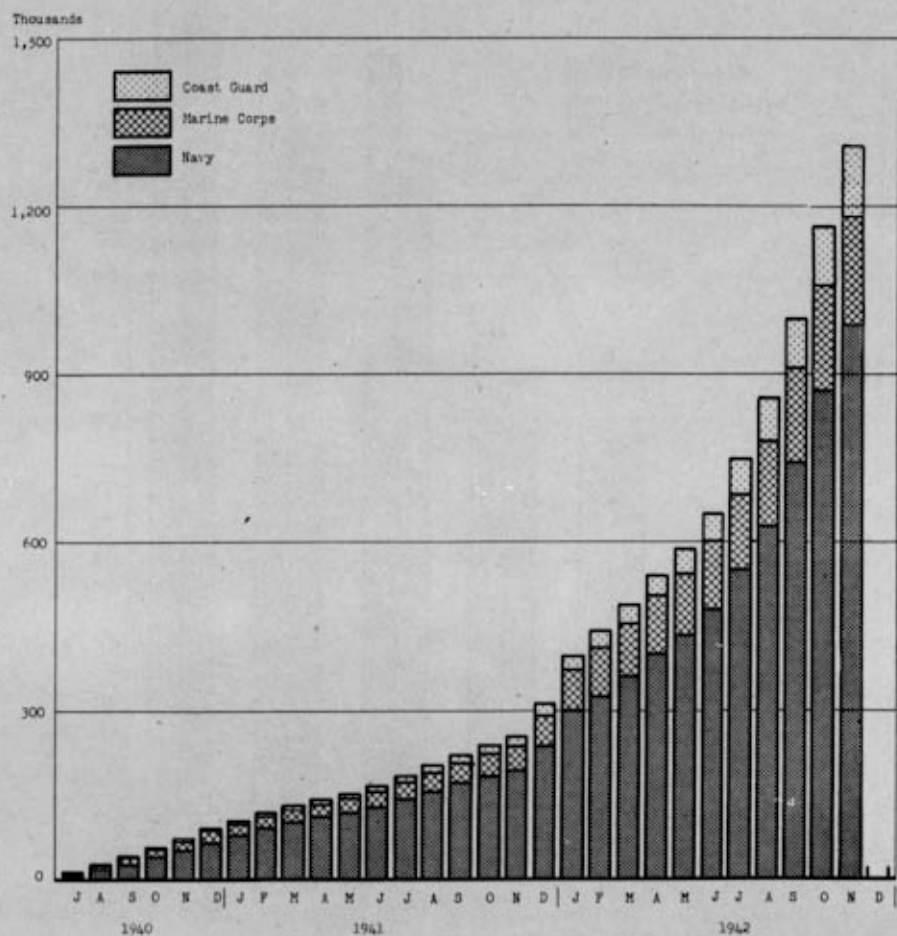
Week Ended December 12, 1942

Enlistment - Period	Marine Corps			Coast Guard*
	Regulars	Reserves	Total	
<u>First Enlistments</u>				
Week Ended November 21	22	3,501	3,523	2,864
Week Ended November 28	8	2,646	2,654	2,614
Week Ended December 5	18	4,128	4,146	1,958
Week Ended December 12	1	8,525	8,526	4,064
<u>Reenlistments</u>				
Week Ended November 21	37	113	150	0
Week Ended November 28	39	96	135	0
Week Ended December 5	36	104	140	0
Week Ended December 12	40	120	160	0
<u>Total</u>				
Week Ended November 21	59	3,614	3,673	2,864
Week Ended November 28	47	2,742	2,789	2,614
Week Ended December 5	54	4,232	4,286	1,958
Week Ended December 12	41	8,645	8,686	4,064
Percent Increase in Total Enlistments 12/5 to 12/12	-24.1	104.3	102.7	107.6

* All enlistments are in the Reserve.

ENLISTMENTS IN NAVY, MARINE CORPS AND COAST GUARD

Cumulative July 1, 1940 Through November 30, 1942.

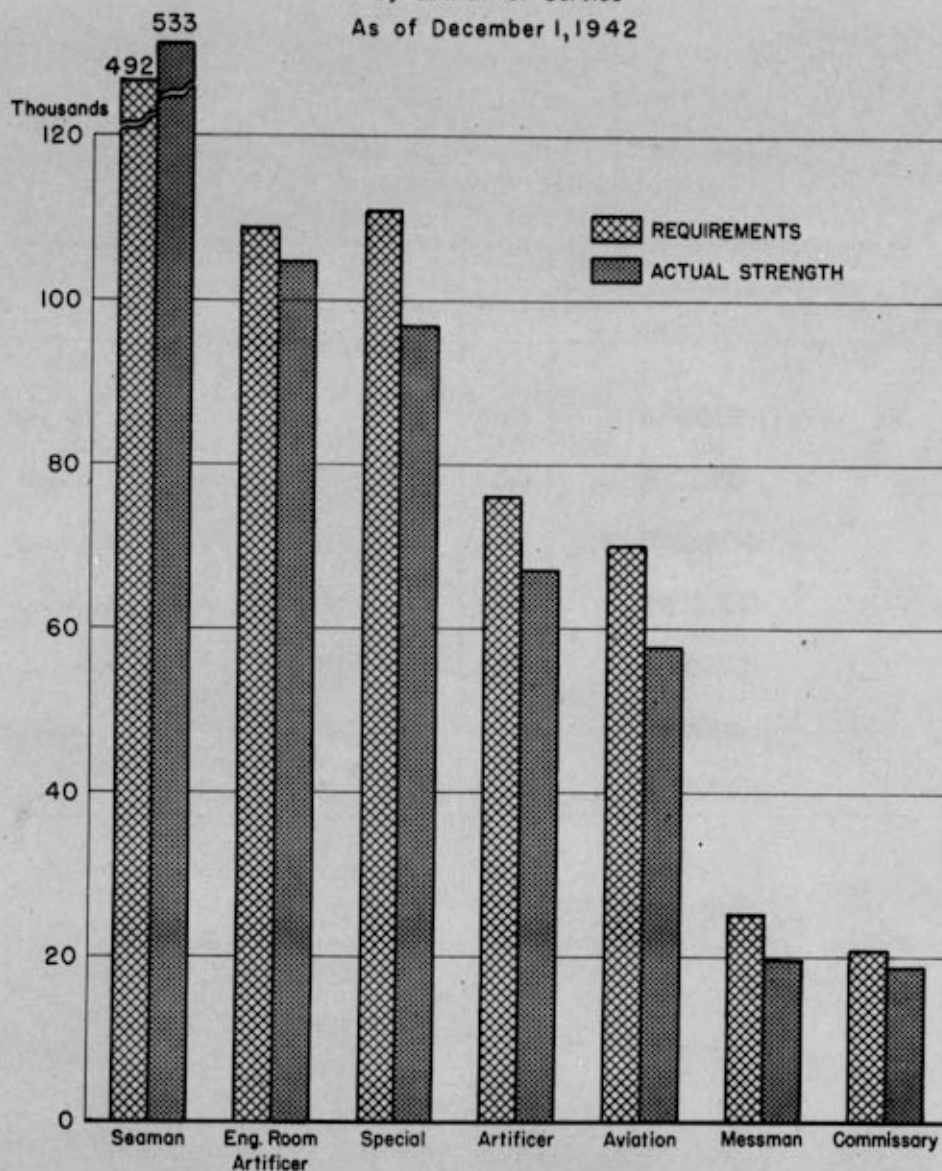


Reference - For previous data see Q-M, Issue No. 10

Source: Bureau of Naval Personnel, U.S. Marine Corps and U.S. Coast Guard

Navy - OP & M

ENLISTED PERSONNEL REQUIREMENTS AND ACTUAL STRENGTH
By Branch of Service
As of December 1, 1942



Reference - For previous data see Q-M, Issue No. II

Source: Bureau of Naval Personnel

Navy - OP & M

REGULAR AND RESERVE NAVAL OFFICERS ON ACTIVE DUTY - BY RANK
As of November 30, 1942

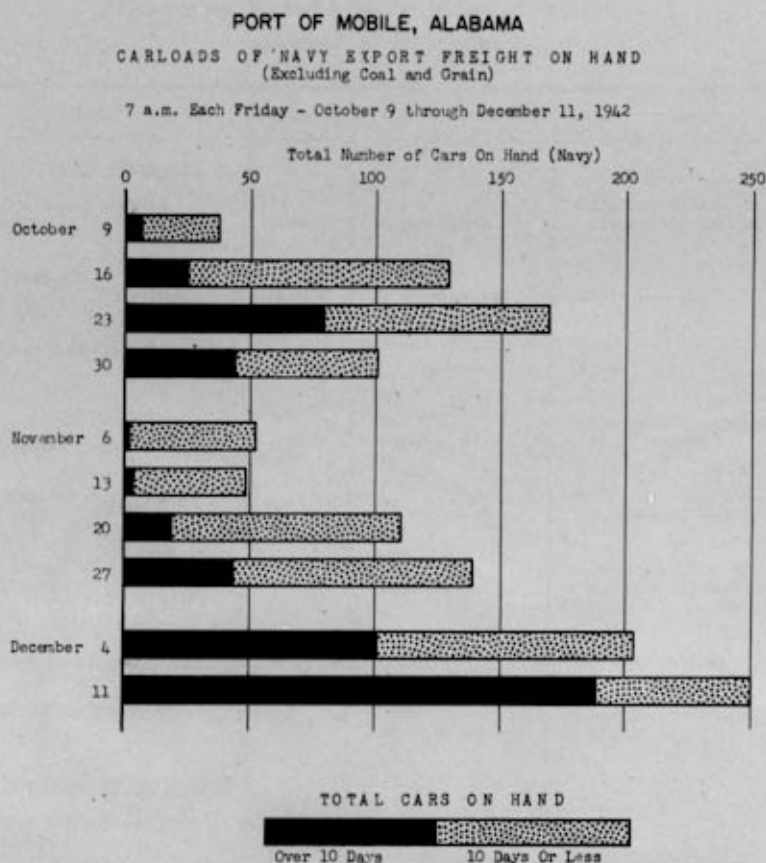
Rank	Within U.S.	Sea or Foreign Duty	Total	Percent On Sea or Foreign Duty					
				Percent	0	25	50	75	100
Admiral*	143	68	211	32%					
Captain	1,036	516	1,552	33					
Commander	1,391	864	2,255	38					
Lieutenant Commander	6,145	3,509	9,654	36					
Lieutenant	15,259	6,820	20,079	34					
Lieutenant (j.g.)	17,742	8,723	26,465	33					
Ensign	26,740	17,604	44,344	40					

Notes: Includes Retired Officers.

Includes Naval Officers serving with the U.S. Coast Guard.

* Includes 11 Admirals, 24 Vice Admirals and 176 Rear Admirals.

MISCELLANEOUS



MISCELLANEOUS

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STRIKES IN PLANTS WITH NAVAL CONTRACTS

Week Ended December 12, 1942

Plant	Duration	Workers Involved	Issue
<u>STRIKES SETTLED DURING WEEK</u>			
Aluminum Company of America New Kensington, Pa.	2 days	94 machinists	Assignment of day shift employees to night shift work
Bethlehem Steel Co. Johnstown, Pa.	2 days	3,000 employees	Double time pay
Detroit Steel Products, Detroit, Mich.	2 days	100 employees	Wages
Durham Mfg. Co. Munsie, Ind.	1 hour	Undetermined	Discharge of one worker for slowdown
Elgin National Watch Co. Elgin, Ill.	2 days	500 employees	Employment of women
Hurd Lock & Mfg. Co. Adrian, Mich.	6 days	1,100 workers	Alleged violation of contract agreements
U. S. Rubber Co. Detroit, Mich.	4 days	900 workers	Wage negotiations
Wright Aeronautical Corp. Paterson, N. J.	1 day	150 women workers	Objection to staggering of shifts
<u>STRIKES CONTINUING AT END OF WEEK</u>			
Pohn Aluminum & Bronze Co. Detroit, Mich.	Began Dec. 10	1,900 workers	Wages
Geo. Fuller Co. (Contractors on U.S. Navy Advance Base Depot, Davisville, R. I.)	Began Dec. 11	200 plumbers	Jurisdictional dispute