

War: Reports, Weekly Statistical, 7/10/42

PSF
War Syst.

Weekly Statistical SUMMARY

Number 147

JULY 16 1942

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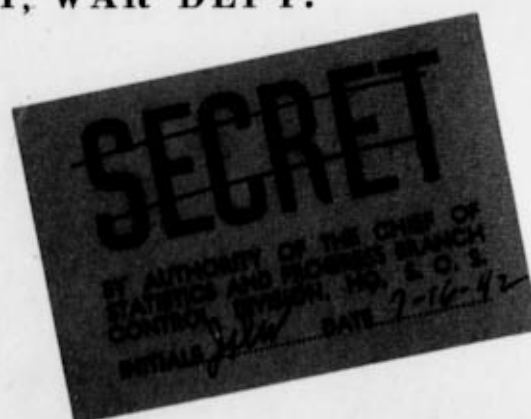
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STATISTICS AND PROGRESS BRANCH,
CONTROL DIVISION, HEADQUARTERS
SERVICES OF SUPPLY, WAR DEPT.

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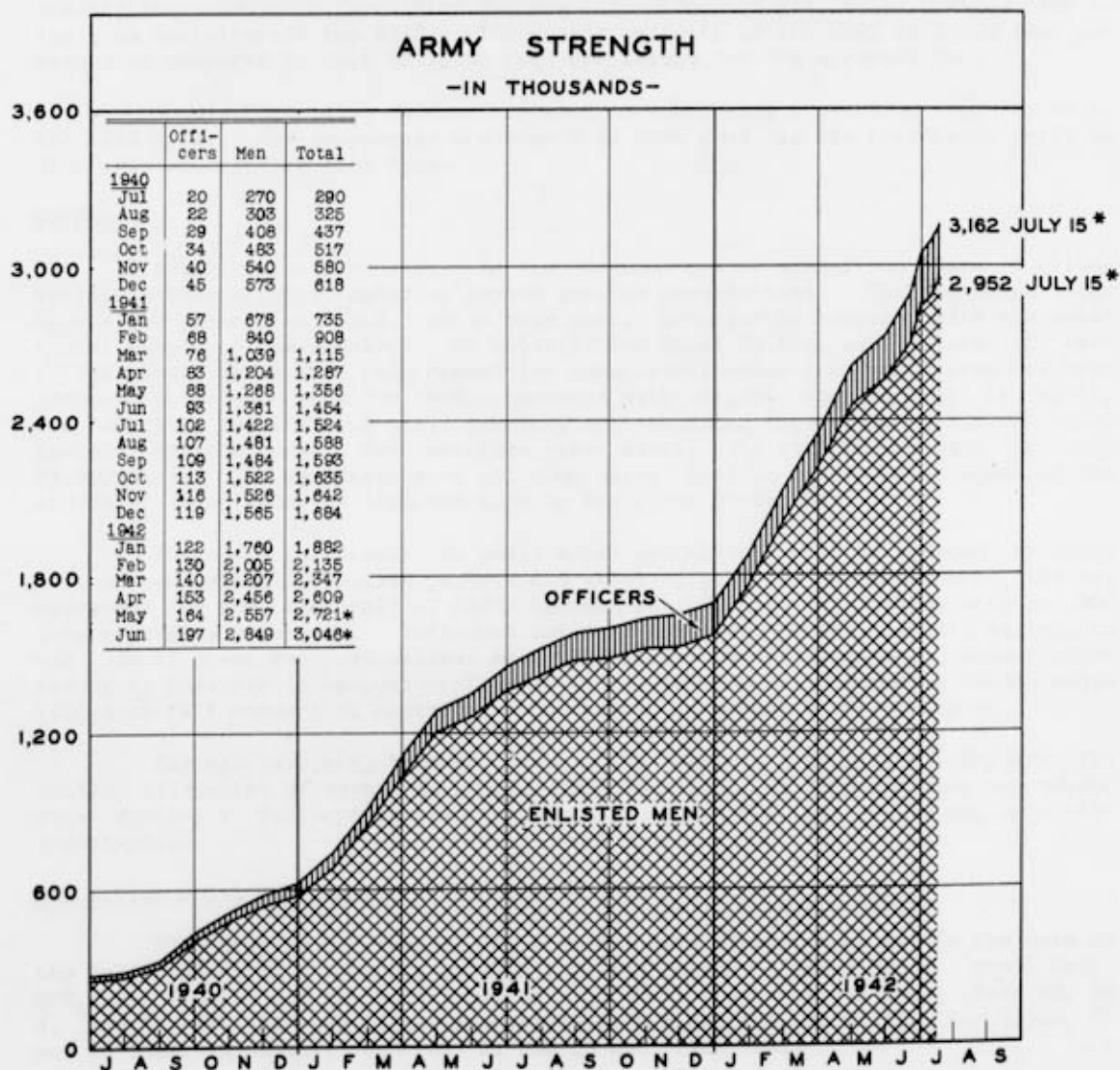
WEEKLY STATISTICAL SUMMARY
REPORT NO. 147
JULY 16, 1942

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ARMY STRENGTH - JULY 15, 1942

Source of Information: Statistics Branch, General Staff



* Estimates

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Personnel
1

STATISTICS AND PROGRESS BRANCH
CONTROL DIVISION - HEADQUARTERS
808 - 7-16-42

TEXT SUMMARY - ORDNANCE DIVISION - JULY 16, 1942

Source of Information: Ordnance Department and Statistics and Progress Branch,
Control Division, Headquarters, SOS

37MM AIRCRAFT GUNS

A more powerful aircraft gun is urgently needed for use against ground vehicles as well as armored enemy planes. The Army Air Forces have, therefore, requested the production facilities for the 37mm aircraft gun M4 be changed over to the 37mm antiaircraft gun M1A2. The muzzle velocity of the M1A2 is 2,800 feet per second as compared to that of 2,000 feet per second for the aircraft gun.

Studies are being made with regard to converting production from the M4 to the M1A2 type. Few components are common to both guns so the conversion will be difficult and require some time.

COPPER

Substitutions for copper in the manufacture of ammunition have provided saving in this critical material beyond earlier expectations. The requirement for copper for ammunition alone, early this year, promised to compare with the total normal supply of the country. By substitution steel in the manufacture of cartridge cases, the copper requirement for ammunition, other than small arms has been reduced to 450,000 tons for 1942, compared with 531,000 tons forecast in April. The reduction for 1943, is still greater, corresponding figures being 365,000 tons, against 861,000 tons. For cartridge cases alone, the 1943 requirement is only 85,000 tons. The manufacture of all 20mm cases will be converted to steel by the middle of August and the 37mm and 40mm by the first of October.

The need for copper in small arms ammunition will be reduced by using plated steel strip for bullet jackets and steel clips. By these measures, the requirement for the last half of 1942 becomes 335,000 tons as compared with 394,000 tons otherwise necessary. This does not take into account the possible savings in the use of steel for .30 caliber and .50 caliber cartridge cases. Some further saving is possible in reduction of the .22 caliber program, which is being maintained at full commercial capacity, considerably in excess of requirements.

Savings have not, however, brought the needs in line with the Supply. The monthly allocation of copper to small arms ammunition in June and July was 40,000 tons against a full-operations requirements of 47,000 tons and 53,000 tons respectively.

AMMUNITION METAL COMPONENTS

1942 Army Supply Program requirements have already been met in the case of the following metal components used in complete rounds of ammunition; Shell Body, M54, for 37mm AC and AA; Bomb Body, M41 for 20-lb Fragmentation Bomb; Fuse BD, MK X, for 8", 12", 14" and 16" AP Projectors; Fuse PD, M51 and M51A1, for 155mm, 6" and 8" Chemical Shells; and Fuse M1 for HE Anti Tank Mine.

Continued production of these items seems inadvisable at the present time because of the shortage of materials.

BALANCE - GUNS VS AMMUNITION - JUNE 30, 1942

Source of Information: Ordnance Department and Statistics and Progress Branch,
Control Division, SOS

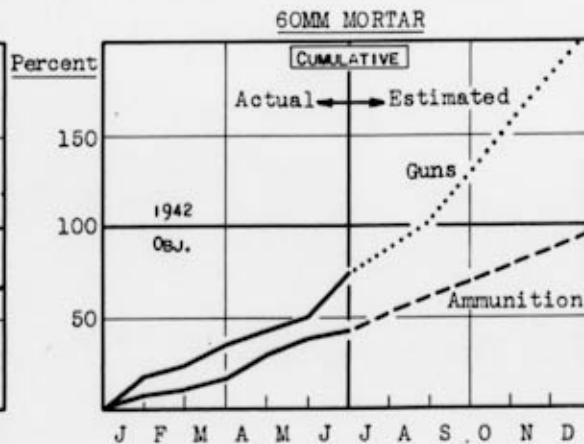
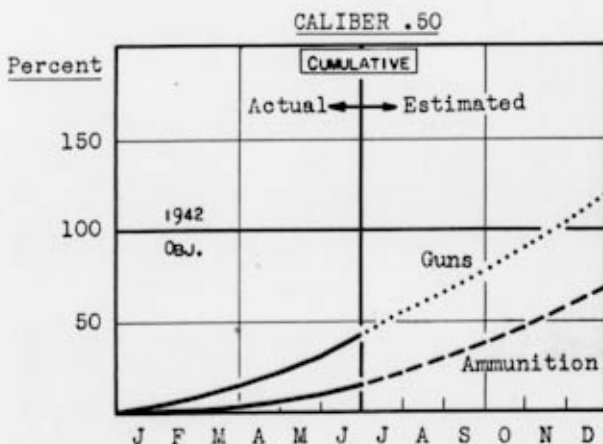
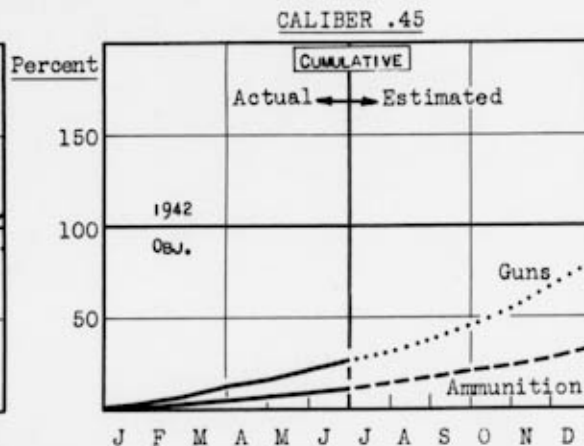
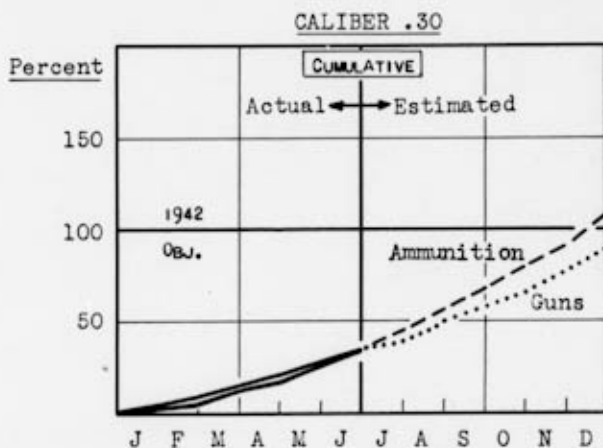
A study of the balance of guns and ammunition is shown in the diagram on this and the two following pages. In each case the lines indicate the percentage of acceptances and schedules against the 1942 production requirements of the Army Supply Program.

The most significant changes since the study made two months ago appear to be:

(1) Improvement in balance in the case of 37mm (all types), 75mm howitzer, 105mm howitzer, 155mm howitzer and 155mm gun.

(2) Further lack of balance in the case of caliber .45, 81mm mortar, and 75mm gun.

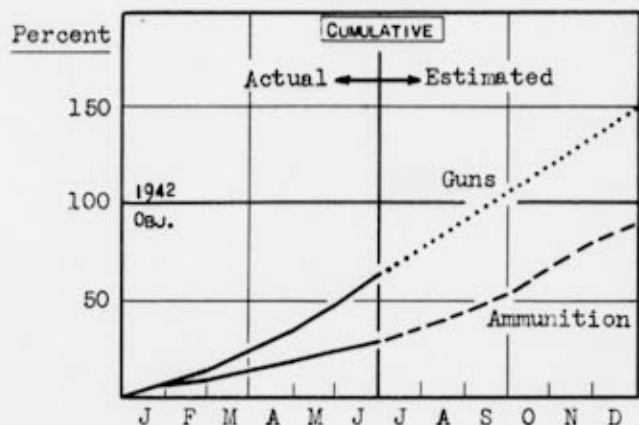
A lack of balance persists in the conversion of manufacture of 37mm AA to 40mm AA guns as compared with ammunition.



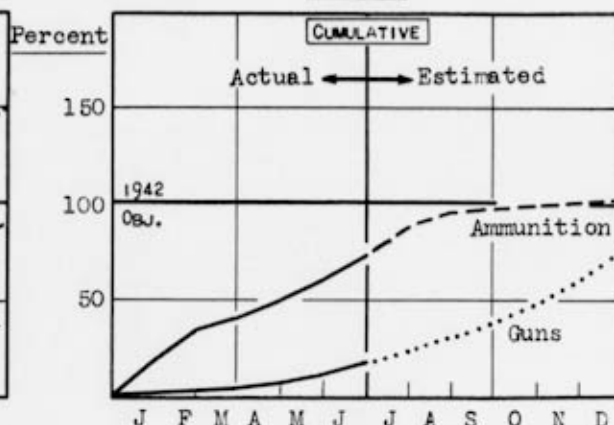
BALANCE - GUNS VS AMMUNITION - JUNE 30, 1942

Source of Information: Ordnance Department and Statistics and Progress Branch,
Control Division, Headquarters, SOS

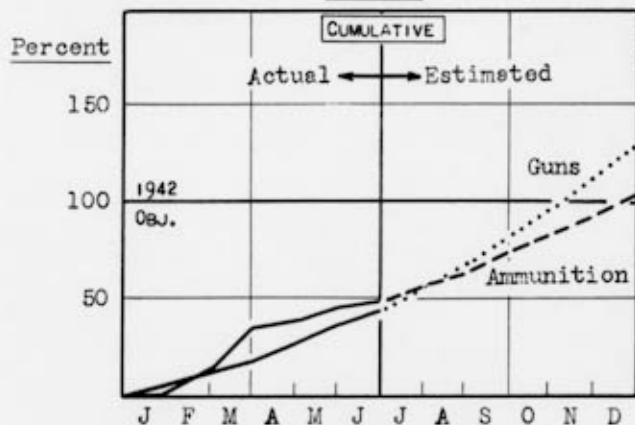
20MM AC



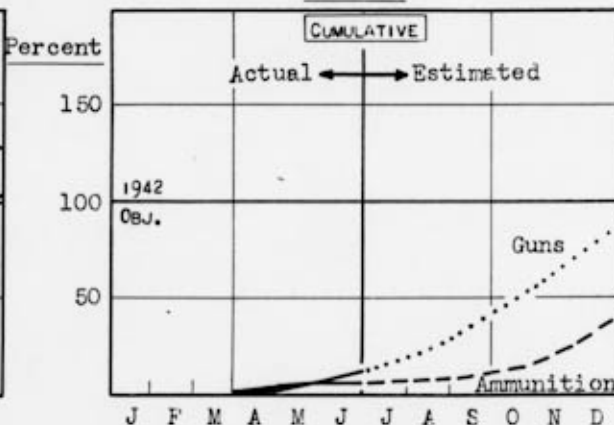
37MM AA



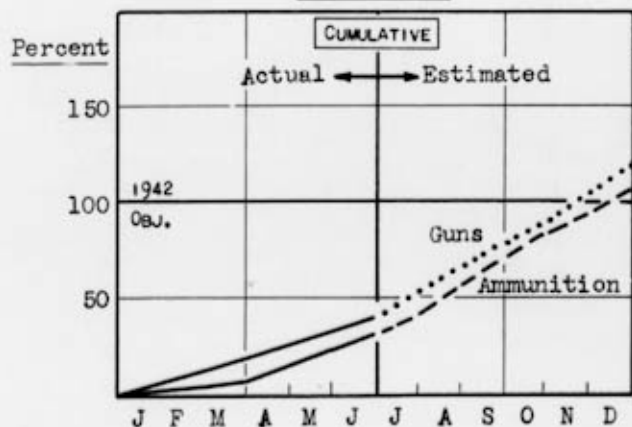
37MM AC



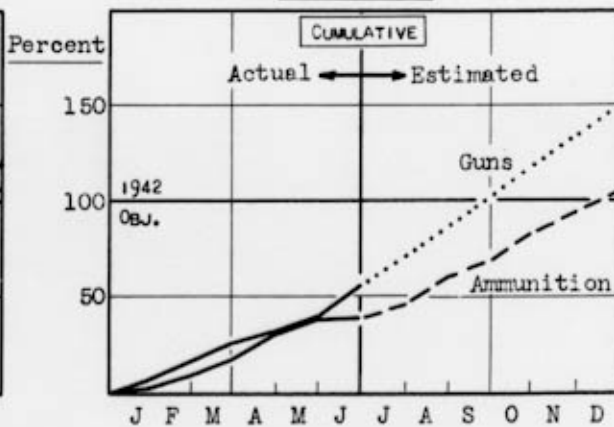
40MM AA



37MM T & AT

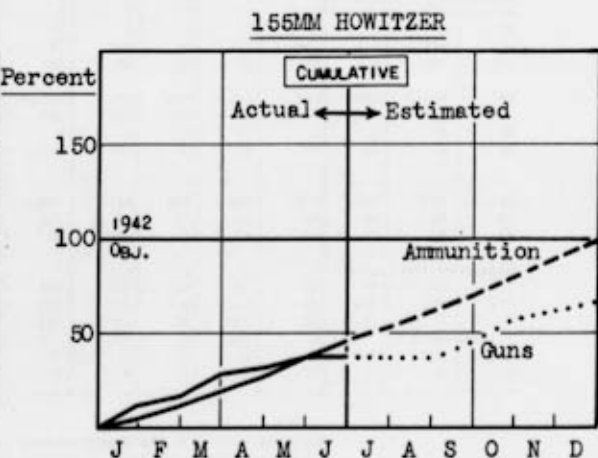
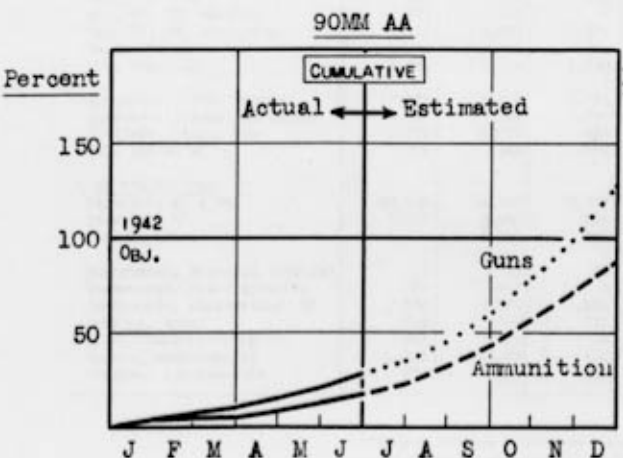
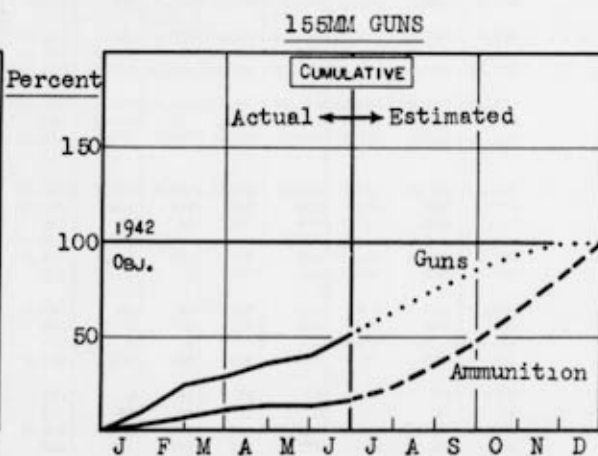
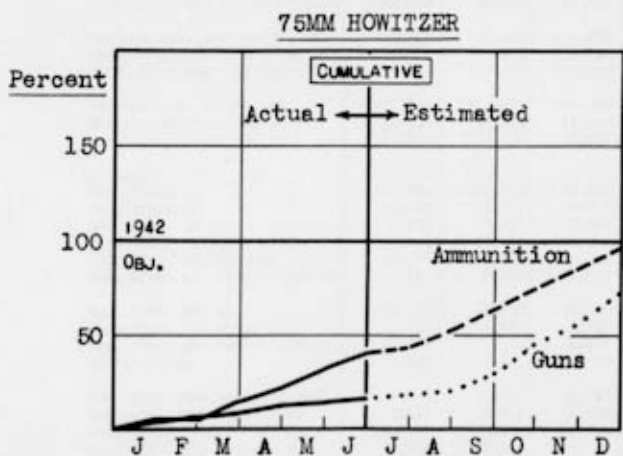
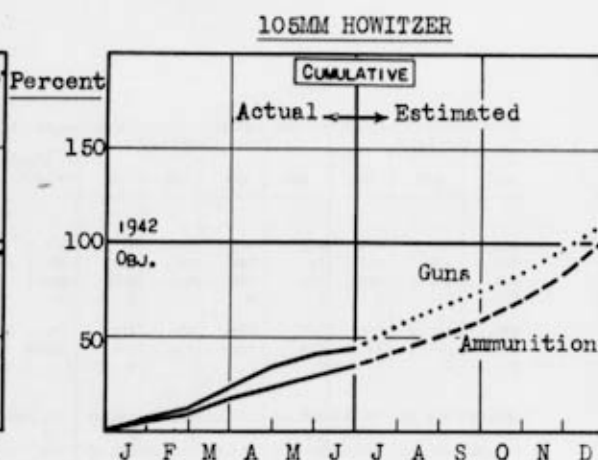
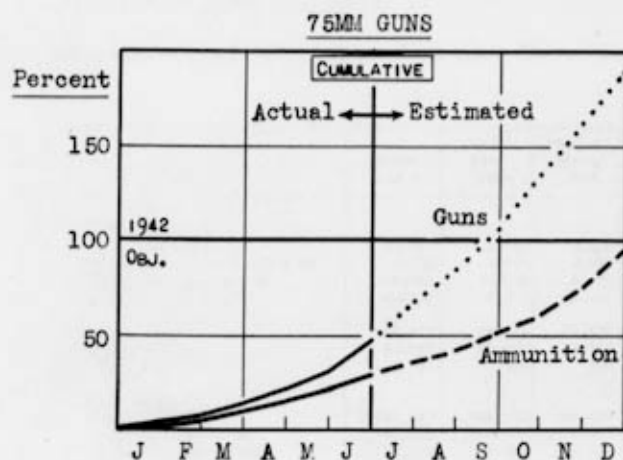


81MM MORTAR



BALANCE - GUNS VS AMMUNITION - JUNE 30, 1942

Source of Information: Ordnance Department and Statistics and Progress Branch,
Control Division, Headquarters, SOS



TABULAR SUMMARY - STATUS OF SELECTED ORDNANCE EQUIPMENT ITEMS ON ARMY SUPPLY PROGRAM - JUNE 30, 1942

Source of Information: Ordnance Department

Item	Author-ized *	Under con-tract *	Req'd prod. 1942	Accepted					Estimated			
				Jan 1 - Jun 30	Mar	Apr	May	Jun	Jul	Aug	Sep	
COMBAT VEHICLES												
Scout car, M3A1	16,538	16,538	9,406	1,499	0	298	390	814	900	1,200	1,200	
Personnel carrier, M2 & M4	9,736	9,736	4,636	2,260	480	220	287	43	300	654	1,000	
Personnel carrier, M3	22,904	20,168	4,547	1,844	192	198	301	390	328	375	287	
Armored cars (all)	22,170	16,860	8,937	0	0	0	0	0	0	10	206	
Tank, light	24,572	24,572	10,588	3,131	418	550	651	771	865	1,114	1,366	
Tank, medium	40,692	40,692	14,000	4,563	672	817	903	965	1,142	1,780	2,230	
Tank, heavy	230	550	115	0	0	0	0	0	2	0	4	
SMALL ARMS												
Rifle, cal.30, M1	1,255,949	1,206,949	983,376	300,811	49,180	53,280	58,481	58,980	60,000	60,500	62,000	
Carbine, cal.30, M1	1,658,458	1,607,243	2,016,901	382	0	0	0	362	3,500	9,200	24,250	
Rifle, cal.30, M1903	1,711,103	707,561	284,931	137,647	21,889	25,982	29,470	32,162	31,000	31,000	36,000	
Rifle, cal.303	560,000	550,000	550,000	107,247	21,128	20,020	29,910	36,192	40,000	46,000	52,500	
Rifle, auto, Brg. cal.30, M1918A2	41,876	39,256	43,520	7,514	900	1,170	2,736	1,730	1,450	1,506	1,619	
Machine gun, cal.30, AC	236,666	159,345	114,957	45,245	6,090	9,221	9,737	10,060	10,100	11,100	9,700	
Machine gun, cal.30 (Var.)	446,609	446,609	132,850	54,223	10,849	11,010	13,335	15,211	17,550	18,900	20,320	
Submachine gun, cal.45	1,619,102	1,583,582	976,183	301,519	48,092	54,340	56,384	57,204	60,000	80,000	83,000	
Machine gun, cal.50, AC	535,840	454,235	188,488	97,252	15,530	15,806	20,495	20,730	22,255	23,200	24,700	
Machine gun, cal.50, AA	62,444	62,444	32,436	17,242	2,035	3,335	4,144	4,946	4,925	5,025	4,825	
Machine gun, cal.50, HB	121,400	121,400	73,489	15,650	2,656	3,339	3,150	3,749	3,650	4,650	5,450	
ARTILLERY												
Gun, 20mm, AC	181,705	141,622	41,710	26,458	3,912	4,738	6,295	6,282	6,000	6,000	6,000	
Gun, 37mm, AC	14,516	14,516	4,983	2,155	350	400	425	463	570	660	715	
Gun, 37mm, AA	2,673	6,873	3,500	557	51	83	150	203	250	250	300	
Gun, 37mm, tank, M3 & M5	67,201	66,762	19,763	9,998	1,496	1,782	1,896	2,006	2,450	2,450	2,450	
Gun, 37mm, AT, wheeled	20,070	16,775	14,451	4,592	394	752	1,002	962	1,400	1,500	1,700	
Gun, 37mm, AT, self-propelled	5,441	5,441	2,539	579	0	0	157	422	1,000	300	300	
Gun, 40mm, AA, M1	15,730	15,730	11,100	1,147	65	65	428	589	800	1,100	1,500	
Gun, 57mm, AT, wheeled	8,860	8,860	1,059	550	2	75	178	295	360	457	630	
Gun, 57mm, AT, self-propelled	2,286	0	1,813	0	0	0	0	0	Schedule not available			
Mortar, 60mm	17,442	17,442	3,729	2,705	379	323	202	854	600	500	1,000	
Howitzer, 75mm, field & pack	2,082	2,530	1,213	284	0	48	54	48	24	24	201	
Howitzer, 75mm, self-prop.	2,616	2,616	1,339	201	68	86	0	0	51	41	54	
Gun, 75mm, tank	45,121	44,949	14,190	6,602	796	922	1,288	2,415	2,491	2,606	3,050	
Gun, 75mm, AT, self-prop.	2,202	2,116	50	704	101	218	206	178	109	68	100	
Gun, 3", tank	115	115	115	0	0	0	0	0	Schedule not available			
Gun, 3", AT, wheeled	100	100	0	0	0	0	0	0	Schedule not available			
Gun, 3", AT, self-prop.	7,419	4,506	5,378	0	0	0	0	0	0	5	68	
Mortar, 81mm	8,741	8,741	3,720	2,137	286	281	320	652	514	536	600	
Gun, 90mm, AA	7,248	8,124	2,750	758	84	137	171	178	214	261	377	
Howitzer, 105mm, wheeled	3,882	5,683	3,035	2,118	479	467	356	126	455	231	99	
Howitzer, 105mm, self-prop.	4,110	4,110	2,782	449	177	181	33	58	250	260	375	
Howitzer, 155mm, new	1,270	1,270	450	0	0	0	0	0	0	0	58	
Gun, 155mm, M1	765	465	458	211	31	31	35	37	40	45	50	
FIRE CONTROL, AA												
Director, M3 & M5	37,108	36,996	19,767	1,588	144	254	442	672	805	955	1,185	
Director, M7	3,517	3,517	985	161	21	27	31	32	38	45	68	
Finder, height	2,101	2,101	942	99	18	17	24	26	26	35	35	
Instrument, binocular training	17	17	11	7	0	0	0	0	Schedule not available			
Instrument, flank spotting	662	608	0	455	100	24	51	76	75	49	0	
Instrument, observation, BC	2,807	2,672	1,231	103	15	6	15	51	105	176	190	
Locator, sound	714	714	930	247	47	36	45	35	40	0	0	
Rule, flank spotting	222	304	0	204	68	0	134	0	Completed			
Tester, stereoscopic	1,039	1,039	414	0	0	0	0	0	200	150	200	
Trainer, stereoscopic	873	351	261	39	5	5	3	7	6	6	6	

Figures include procurement for International Aid and other services.
* Quantity accepted prior to January 1, 1942, has been excluded.

ORDNANCE DEPARTMENT - LAGS IN REQUIRED PRODUCTION - JUNE 30, 1942

Source of Information: Ordnance Department, Monthly Status Report

The tabulation below lists selected items which are shown in the June 30, 1942 Status Report, Equipment Section, Army Supply Program and on which less than 30 percent of the 1942 required production has been delivered.

EQUIPMENT

Item	Required Production 1942	Del. Jan 1 - Jun 30		Item	Required Production 1942	Del. Jan 1 - Jun 30	
		Number	Percent			Number	Percent
Tank, light	10,588	3,062	29	Howitzer, 105mm, SP	2,782	449	16
Gun, 90mm, AA	2,750	758	28	System, remote cont., 40mm AA	11,118	1,664	15
Unit, generating, 37mm, AA	25,090	6,685	27	Pistol, cal.45 (M1911A1)	305,627	38,824	13
Locator, sound	930	247	27	Howitzer, 75mm, SP	1,839	201	11
Mount, tripod, cal.30	100,998	25,879	26	Truck, artillery repair	96	11	11
MG, cal.30, M1917A1	9,085	2,259	25	Truck, instrument repair	62	7	11
Gun, 37mm, AT, SP	2,539	579	23	Gun, 40mm, AA, M1	11,100	1,147	10
System, remote cont., 37mm AA	4,008	886	22	Rifle, cal.55, AT	35,900	1,267	4
Carrier, Universal	12,400	2,724	22	Director, 37mm & 40mm, AA	15,297	481	3
MG, cal.50, Brg, HB (flex.)	73,174	15,500	21	Mount, MG, cal.30, M29	2,384	0	0
Rifle, cal.303	550,000	107,247	19	Carbine, cal.30, M1	2,015,901	382	2
Mount, cal.50, M2, AA, MG	23,183	4,091	18	Rifle, US, cal.30, M1917	100,000	0	0
System, remote cont., 90mm AA	1,156	211	18	Tank, heavy	115	0	0
Howitzer, 75mm, M1A1, pack	1,213	220	18	Gun, 3", tank (heavy)	115	0	0
Gun, 37mm, M1A2, AA	3,500	557	16	Gun, 3", antitank, SP	5,378	0	0
Director, AA, 90mm	988	161	16	Howitzer, 155mm, M1	450	0	0

AMMUNITION

Item	Required Production 1942	Del. Jan 1 - Jun 30		Item	Required Production 1942	Del. Jan 1 - Jun 30	
		Number	Percent			Number	Percent
Cartridge, tracer, cal.30	793,281	223,836	28	Link, metallic belt, cal.30	2,578,562	235,530	9
Grenade, rifle, M9, cal.30	3,064,828	842,964	28	Shot, AP, M59, 37mm, AA	683,270	53,307	8
Shell, WP, M60, 105mm how.	1,262,490	275,778	22	Bomb, chem., HS, 100#, M47A1	2,104,124	152,243	7
Shell, HE, M48, no, 75mm	8,722,723	1,828,972	21	Bomb, GP, 2000#, M34	38,234	2,522	7
Bomb, frag., 20#, M41	1,227,196	260,040	21	Cart., HE, incendi., 20mm, AC	43,508	2,755	6
Cartridge, AP, cal.50	1,437,262	285,260	20	Shell, HE, Wk II, 40mm, AA	20,653,153	1,227,818	6
Link, metallic belt, cal.50	2,765,443	547,695	20	Cartridge, incendiary, cal.30	348,738	17,938	5
Shell, HE, M63, 37mm, T & AT	12,376,673	2,333,158	19	Bomb, SAP, 500#, M58	490,600	25,442	5
Shell, HE, M71, 90mm, AA	5,866,008	1,097,114	19	Bomb, GP, 1000#, M44	723,849	27,563	4
Bomb, GP, 250#, M57	1,251,991	231,110	18	Cartridge, incendiary, cal.50	309,350	12,267	4
Cartridge, AP, cal.30	1,423,746	236,674	17	Shot, AP, M62, 3", T & AT	2,399,010	80,225	3
Shell, HE, M101, 155mm gun	545,060	86,414	16	Shell, SAP, M112, 155mm gun	292,560	4,404	2
Cartridge, ball, cal.45	3,198,627	355,247	11	Cartridge, carbine, cal.30	715,241	4,122	2
Cartridge, tracer, cal.50	444,859	48,643	11	Shot, AP, M75, 20mm, AC	35,522	64	2
Shell, HE, M42, 3", T & AT	903,986	87,600	10	Shell, HE, M107, 155mm how.	1,994,880	0	0
Shell, HE, M56, 81mm mortar	925,575	89,292	10	Bomb, SAP, 1000#, M59	289,428	0	0

2 Less than one percent.

* Thousands.

ANTI-AIRCRAFT MATERIEL - JUNE 30, 1942

Source of Information: Ordnance Department

90MM AND 4.7"

The availability of Radar equipment to make up shortages of the optical height finders will in a large degree control the 90mm gun program. Work will be initiated on the Radar equipment as soon as possible.

Directors will be the controlling component in the output of complete units for the next few months. The Ford Motor Company has had difficulties with special tooling and will not meet its former production plan for the manufacture of directors.

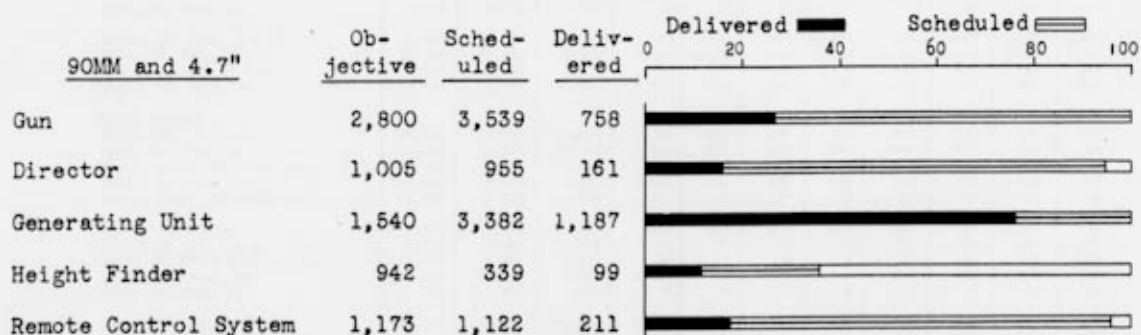
All facilities are being tooled for the manufacture of the new 4.7" AA gun. Production is expected to start in October, 1942.

37MM AND 40MM

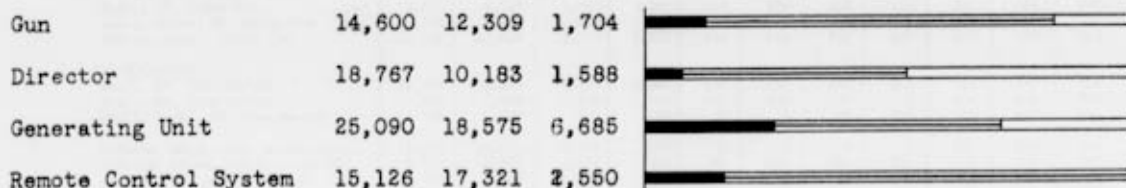
Machine tools are still the principal choke points of the 40mm anti-aircraft gun program. Efforts are being made to divert machine tools from other less critical programs.

Director production is still adequate to meet gun requirement; however, guns will undoubtedly have to be issued without directors this year. The use of a director increases the efficiency of the gun by about 300 percent.

Percent of 1942 Objective



37MM and 40MM



TABULAR SUMMARY - STATUS OF SELECTED ORDNANCE AMMUNITION ITEMS ON ARMY SUPPLY PROGRAM - JUNE 30, 1942

Source of Information: Ordnance Department

(Figures in thousands)

Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated			
				Jan 1 - Jun 30	Mar	Apr	May	Jun	Jul	Aug	Sep	
BOMBS AND PYROTECHNICS												
Bomb, frag., 20#	(a)	3,261	3,215	1,227	260	110	0	0	0	120	180	180
Bomb, chem., 100#	(ab)	2,181	2,033	2,104	153	25	31	36	45	118	120	120
Bomb, demo., 100#	(a)	5,240	5,468	1,897	710	279	137	180	38	59	80	100
Bomb, demo., 250#, 300#	(a)	4,921	4,000	1,252	230	39	44	40	23	59	80	100
Bomb, demo., 500#	(a)	1,899	1,509	815	259	23	45	31	54	35	50	50
Bomb, demo., 1000#	(a)	1,314	932	724	28	(a)	2	8	8	15	18	25
Bomb, demo., 2000#	(a)	191	191	38	3	0	0	0	0	1	5	
Bomb, SAP, 500#	(a)	1,257	927	491	26	0	0	4	22	15	15	50
Bomb, SAP, 1000#	(a)	563	419	289	0	0	0	0	0	0	0	5
Flares		4,455	1,719	976	90	15	11	12	51	71	77	125
Signals, aircraft		16,219	14,877	4,039	377	62	40	20	125	293	745	745
SMALL ARMS												
Cartridge, cal.30	**	16,563	15,786	6,342	2,205	306	417	521	592	638	685	739
Cartridge, cal.45	**	6,902	6,752	3,199	358	66	74	66	59	82	95	109
Cartridge, cal.50	**	5,703	5,547	2,279	376	45	58	99	124	138	172	194
Link, metallic belt, cal.30	**	3,714	2,372	2,579	235	35	41	47	47	55	113	168
Link, metallic belt, cal.50	**	5,216	5,124	2,765	547	101	100	108	133	153	159	162
MINOR CALIBER												
Cartridge, 20mm, AC		247,113	205,111	108,454	29,033	3,592	6,127	5,524	4,581	7,467	9,900	11,600
Shell, HE, 37mm, AC		12,486	9,510	1,658	912	441	49	165	9	160	200	200
Shot, AP, 37mm, AC		692	543	567	140	12	22	27	79	0	(s)	0
Shell, HE, 37mm, AA		17,255	14,868	5,105	4,167	383	534	485	780	633	400	0
Shot, AP, 37mm, AA		2,016	2,016	685	53	0	0	0	53	165	150	100
Shell, HE, 37mm, T & AT		52,268	21,706	12,377	2,333	432	466	705	556	1,457	1,500	1,500
Shot, AP, 37mm, T & AT		76,208	47,878	22,926	7,810	1,011	1,905	1,855	2,125	2,540	3,650	3,000
Canister, 37mm, T & AT		5,332	4,103	1,374	680	0	79	171	430	319	350	150
Shell, HE, 40mm, AA		70,989	28,918	20,653	1,228	50	153	621	196	272	300	500
MEDIUM CALIBER												
Shell, HE, 75mm gun		23,138	9,725	10,594	2,724	473	595	450	608	400	575	750
Shot, AP, 75mm gun		23,546	23,546	7,189	2,393	227	505	539	783	607	500	700
Shell, smoke, WP, 75mm gun	(a)	407	782	138	280	0	88	87	0	Not scheduled		
Shell, HE, 75mm how.		15,442	11,319	6,748	2,694	541	505	659	562	232	625	705
Shell, smoke, WP, 75mm how.		1,801	618	801	111	0	0	22	89	39	60	60
Shell, HE, 3", AA		1,958	1,662	759	1,362	226	404	228	152	100	150	75
Shell, HE, 3", T & AT		4,738	4,081	904	88	15	0	0	58	62	150	150
Shot, AP, 3", T & AT		13,481	9,017	2,399	80	0	0	0	80	120	200	300
Shell, HE, 90mm, AA		12,095	10,417	5,865	1,097	0	177	300	292	280	600	700
Shot, AP, 90mm, AA		854	675	360	0	0	0	0	0	5	10	25
Shell, HE, 105mm how.		32,856	28,360	10,855	3,831	810	752	554	706	802	75	665
Shell, smoke, WP, 105mm how.		4,149	3,745	1,262	276	19	95	41	121	84	100	150
SEPARATE LOADING												
Shell, HE, 155mm gun	(a)	1,403	1,376	758	167	55	20	0	26	55	100	100
Shot, AP, 155mm gun		301	280	293	4	0	0	1	3	5	24	27
Charge, prop., 155mm gun		1,923	1,902	954	695	132	175	101	151	80	41	140
Shell, HE, 155mm how.	(a)	9,511	9,769	4,089	1,853	319	282	414	352	280	365	300
Shell, smoke, WP, 155mm how.	(a)	783	385	263	41	10	0	0	31	29	30	10
Charge, prop., 155mm how.		11,438	11,425	4,772	2,775	645	298	353	449	489	350	225
MISCELLANEOUS												
Shell, HE, 60mm mortar		26,969	28,299	9,159	4,020	591	1,120	818	532	780	850	800
Shell, HE, 81mm mortar		7,943	7,694	4,402	1,655	402	465	395	0	414	550	500
Shell, smoke, WP, 81mm mortar		765	745	473	185	0	2	77	107	13	100	150
Grenade, hand, frag. & offensive		13,059	12,911	2,402	270	0	0	0	0	285	610	400
Grenade, rifle, cal.30 & cal.50		3,707	3,707	3,874	844	80	280	200	225	132	225	300
Grenade, HC, smoke, Gd & AC		6,720	6,590	1,725	34	(c)	34	0	0	66	140	340
Mine, antitank		6,035	6,026	2,450	1,055	125	203	478	198	0	0	95

Figures include procurement for International Aid and other services.
 * Quantity accepted prior to January 1, 1942, has been excluded.
 ** Figures in millions

(a) Unfused.
 (b) Unfilled.
 (c) Less than 1,000.

TEXT SUMMARY - BASIC ITEMS OF SUPPLY - JULY 16, 1942

Source: Statistics Branch, Office of the Quartermaster General

PROCUREMENTS - OUTSTANDING BOTTLENECKS AND SOLUTIONS

Lantern, gasoline

The deliveries of this item as of June 30, 1942 were 12,926, or the equivalent of 84 percent of the scheduled production through June. The 16 percent behind scheduled production was due to an official delay pending standardization on a single type for all arms and services. This problem has now been solved, and production is expected to increase rapidly in the next few months.

Ranges, field

This item is only three percent behind scheduled production through June 30, and this was due mainly to the shortage of copper-silicon tubing which is also used in other Army items. A low priority rating has been obtained which should solve the difficulty in obtaining the tubing.

Saddles, Phillips' pack, cargo

The deliveries on this item were 850 as of June 30. This represented 85 percent of the scheduled production through June. The delinquency is not due to lack of production, but rather to a concentration of production on cavalry and International Aid saddles. Additional production facilities are being selected, and this is expected to increase production sufficiently to meet 1942 production requirements.

Rubber problems

In view of the critical condition that is developing in regard to rubber, the United States Government has made an exchange of 20 Motor Transport Service approved synthetic tires for 20 Russian synthetic tires to enable the Motor Transport Service to test the quality of the Russian synthetics. It is understood that the Russians have been very successful in developing synthetic tires of satisfactory quality. It is hoped that scientific tests will prove highly beneficial in our efforts to remedy our rubber problems.

TABULAR SUMMARY - STATUS OF SELECTED Q.M. ITEMS ON ARMY SUPPLY PROGRAM - JUNE 30, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

Item	Author- ized **	Under con- tract **	Req'd. prod. 1942 ***	Accepted ***				Estimated ***			
				Jan 1- Jun 30	First Quarter 1942	Apr	May	Jun	Jul	Aug	
CLOTHING											
*Belt, web, waist	12,788	10,788	5,599	4,260,250	2,240,000	539,000	822,500	658,750	2,926,600	1,035,000	1,500,000
*Boots, rubber, knee	185	185	291	185,000	111,232	52,607	20,286	875	0	0	0
Coat, wool, serge	8,126	8,126	6,777	3,106,679	1,199,291	575,030	553,035	779,323	1,264,572	723,179	879,000
*Drawers, cotton	35,300	35,300	1,486	13,281,409	5,352,500	2,071,942	3,110,748	2,746,219	4,763,924	3,667,761	2,087,384
Gloves, wool	11,610	9,610	7,476	3,397,043	1,578,234	489,318	617,409	712,082	597,475	1,010,533	966,200
Jacket, field	11,960	11,960	8,647	2,864,710	1,078,139	547,701	549,750	689,120	1,197,350	518,726	1,311,450
Jacket, HBT	11,475	11,475	5,333	4,302,887	1,557,446	819,596	889,537	1,036,308	1,460,013	1,205,934	672,478
Leggings, canvas, dismt.	13,963	13,963	8,826	3,139,737	1,287,633	489,626	545,262	817,216	1,144,552	1,728,837	1,304,390
Liner, helmet, steel	13,567	10,567	7,381	2,216,959	767,650	154,084	609,016	646,209	750,000	1,367,959	2,002,000
Overcoat, wool, o.d.	6,172	6,172	3,367	2,243,855	1,022,158	455,601	355,728	410,368	578,552	196,425	434,150
*Raincoat, mtd. & dismt.	8,466	8,466	4,968	1,606,287	920,367	303,974	174,574	207,372	494,049	706,349	1,054,500
*Shirt, cotton	17,970	17,970	5,026	8,721,744	3,693,880	1,816,221	1,760,972	1,450,671	2,971,076	1,114,463	1,480,395
Shirt, flannel	20,919	20,919	9,991	5,733,362	2,236,719	925,917	1,168,279	1,402,447	1,995,684	1,625,272	1,626,351
*Shoes, service (I. low)	23,979	23,979	11,804	16,436,878	6,739,124	2,974,090	3,171,294	3,552,370	1,820,992	2,831,515	3,088,336
*Socks, cotton	26,894	26,894	7,399	5,636,029	4,770,122	248,312	197,111	420,484	657,041	2,294,187	2,940,000
Suits, one-piece, HBT	6,463	6,463	3,508	2,435,935	919,912	450,869	518,286	546,868	1,703,591	206,166	465,427
*Trousers, cotton, khaki	21,626	21,626	12,868	5,973,743	2,277,397	840,909	1,308,883	1,546,554	1,937,211	1,093,073	1,827,570
Trousers, HBT	11,174	11,174	4,061	4,764,618	1,872,290	870,185	984,286	1,037,857	1,184,706	665,671	613,061
Trousers, wool, o.d.	14,877	14,877	12,773	5,012,805	2,073,068	874,802	761,295	1,303,640	725,676	1,780,976	1,710,390
*Undershirt, cotton	41,466	41,466	4,148	15,602,017	5,414,351	2,636,338	3,469,984	3,881,344	5,137,897	5,137,603	4,499,742
EQUIPAGE											
Bag, barrack	17,754	17,754	8,963	4,546,091	1,073,900	852,143	979,330	1,640,718	1,087,495	1,601,364	2,309,537
Bag, canvas, w. ster.	130	130	38	52,058	25,842	2,616	10,384	13,216	12,000	13,000	13,000
Bar, mosquito	13,252	9,652	5,830	1,165,021	101,698	378,998	318,659	365,666	200,000	238,250	300,000
Belt, cart., dismt.	4,177	4,177	1,583	1,267,245	466,940	220,350	314,020	265,935	468,000	231,420	298,730
*Belt, pistol	6,049	6,049	2,413	1,726,078	677,878	353,209	368,957	326,034	636,680	81,000	201,127
Blanket, wool, o.d.	14,019	14,019	9,278	5,121,067	2,256,667	769,459	963,879	1,151,062	578,842	152,000	742,022
*Can, meat	8,857	8,857	5,037	3,653,163	2,790,496	466,688	504,720	602,259	1,000,000	500,000	610,000
*Canteen, M-1910	4,145	4,145	3,852	2,099,631	1,350,375	234,200	462,800	367,256	580,000	368,000	400,000
Carrier, pack	5,301	5,301	2,534	1,282,827	456,027	276,400	335,400	215,000	400,827	200,000	445,600
Comforter, cotton-filled	9,173	9,173	4,104	2,834,035	786,070	475,442	558,336	1,014,187	875,495	1,790,005	1,201,528
Haversack	6,806	6,806	2,452	1,460,316	570,587	218,018	250,599	421,112	400,000	400,000	900,000
*Headnet, mosquito	3,995	3,995	1,641	837,810	221,528	302,594	184,116	129,572	50,004	118,000	232,000
Pouches, first-aid	9,890	9,890	5,628	3,805,672	1,511,271	475,175	588,336	1,230,890	744,000	1,749,000	977,302
Roll, bedding, w. proof.	552	552	168	88,235	35,340	15,488	7,172	30,235	26,000	18,000	42,000
Sling, carrying, mg.	118	118	183	82,016	16,716	12,900	30,200	22,200	5,000	4,000	4,000
Suspender, belt	5,653	5,653	2,813	1,857,125	551,340	416,400	383,550	505,735	101,000	800,000	662,400
Tent, pyramidal	1,635	1,635	503	245,464	35,678	44,827	72,877	92,082	79,513	110,000	120,000
Tent, shelter-half	12,993	12,993	5,048	1,732,585	472,273	225,134	307,091	728,087	255,000	1,300,000	2,000,000
GENERAL SUPPLIES											
Can, galvanized, 10-gal.	154	154	172	25,415	6,673	0	14,742	4,000	6,000	2,000	5,585
Can, galvanized, 32-gal.	155	155	436	24,850	5,931	7,325	3,986	7,608	5,000	11,000	12,000
Container, water, 5-gal.	3,213	3,213	1,245	82,620	27,812	5,030	26,666	23,112	35,000	10,000	40,000
Lantern, gasoline	102	102	169	12,926	10,861	494	51	1,520	933	600	4,000
Range, field	42	42	28	2,420	1,524	0	850	46	300	100	400
Scabbard, rifle	372	372	355	69,710	1,553	0	9,201	58,956	10,000	103,000	89,000
Stove, tent	483	483	580	469,034	311,132	70,778	56,084	31,040	100,000	101,200	0
MOTOR VEHICLES											
Ambulances	13	12	9	1,639	553	366	180	540	1,216	1,900	1,520
Passenger cars	11	11	5	10,554	10,465	64	9	16	complete	complete	complete
Motorcycles	90	86	43	16,762	7,878	397	3,512	4,975	4,600	4,700	4,719
Trucks, 1/4-ton	201	196	131	83,206	30,232	17,574	15,411	19,989	20,542	16,700	16,700
Trucks, 1/2 & 3/4-ton	94	89	58	30,619	17,703	3,907	3,970	5,039	5,517	8,970	7,720
Trucks, 1-1/2-ton	200	199	181	85,764	43,637	15,792	9,321	17,014	14,889	22,841	18,444
Trucks, 2-1/2-ton	391	356	248	75,903	31,333	15,354	14,270	14,946	17,707	25,015	22,630
Trucks, 4 & 5-ton	45	31	21	5,006	2,337	943	1,077	669	1,112	1,273	1,540
Trucks, 6-ton	31	28	23	4,001	1,710	719	780	792	1,295	1,739	2,335
Semi-trailers	13	11	13	3,136	430	556	1,045	1,105	877	1,059	915
Trailers	84	72	54	24,722	3,233	4,670	8,433	8,386	7,979	11,707	11,191

* Figures include procurement for International Aid and Navy.

** Quantity delivered prior to January 1, 1942 has been excluded.

*** For Motor Vehicles only - includes data for Navy, War Aid and the other Supply Services.

Quartermaster Corps

Q. M. PROCUREMENT - PROGRESS TOWARD 1942 REQUIRED PRODUCTION - JUNE 30, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

Item	Required production 1942	Delivered Jan 1 to Jun 30	Percent of 1942 required production					
			%	0	20	40	60	80
CLOTHING								
*Belt, web, waist	5,599,123	4,260,250	76					
*Boots, rubber, knee	291,321	185,000	64					
Coats, wool, serge	6,777,492	3,106,679	46					
*Drawers, cotton	1,485,927	13,281,409	894					
Gloves, wool	7,476,434	3,397,043	45					
Jacket, field	8,647,220	2,864,710	33					
Jacket, HBT	5,333,120	4,302,887	81					
Leggings, canvas, dismt.	8,826,114	3,139,737	36					
Liners, helmet, steel	7,380,746	2,216,959	30					
Overcoat, wool, o.d.	3,367,096	2,243,855	67					
*Raincoat, mtd. & dismt.	4,967,586	1,606,287	32					
*Shirt, cotton, khaki	5,025,897	8,721,744	174					
Shirt, flannel	9,991,436	5,733,362	57					
*Shoes, service (I. low)	11,803,907	16,436,878	139					
*Socks, cotton	7,399,124	5,636,029	76					
Suits, one-piece, HBT	3,507,897	2,435,935	69					
*Trousers, cotton, khaki	12,867,610	5,973,743	46					
Trousers, HBT	4,061,066	4,764,618	117					
Trousers, wool, o.d.	12,772,593	5,012,805	39					
*Undershirts, cotton	4,148,055	15,402,017	371					
EQUIPAGE								
Bag, barrack	8,963,421	4,546,091	51					
Bag, canvas, water ster.	38,330	52,058	136					
Bar, mosquito	5,829,836	1,165,021	20					
Belt, cartridge, dismt.	1,582,637	1,267,245	80					
*Belt, pistol	2,412,793	1,726,078	72					
Blanket, wool, o.d.	9,278,455	5,121,067	55					
*Can, meat	5,036,841	3,653,163	73					
*Canteen, M-1910	3,851,808	2,099,631	55					
Carrier, pack	2,533,583	1,282,827	51					
Comforter, cotton, filled	4,104,453	2,834,035	69					
Haversack	2,452,047	1,460,316	60					
*Headnet, mosquito	1,640,676	837,810	51					
Pouche, first aid	5,627,912	3,805,672	68					
Roll, bedding, w/proofed	168,199	88,235	52					
Sling, carrying, mg.	182,711	82,016	45					
Suspender, belt	2,812,668	1,857,125	66					
Tent, pyramidal	502,501	245,464	49					
Tent, shelter-half	5,047,796	1,732,585	34					
GENERAL SUPPLIES								
Can, galvanized, 10-gallon	172,224	25,415	15					
Can, galvanized, 32-gallon	436,490	24,850	6					
Container, water, 5-gallon	1,244,776	82,620	7					
Lantern, gasoline	168,855	12,926	8					
Range, field	27,757	2,420	9					
Scabbard, rifle	354,851	69,710	20					
Stove, tent	579,813	469,034	81					
MOTOR VEHICLES **								
Ambulances	8,507	1,639	19					
Passenger cars	4,908	10,554	215					
Motorcycles	42,864	16,762	39					
Trucks, 1/4-ton	131,497	83,206	63					
Trucks, 1/2 & 3/4-ton	57,749	90,619	53					
Trucks, 1-1/2-ton	181,363	85,764	47					
Trucks, 2-1/2-ton	247,901	75,903	31					
Trucks, 4 & 5-ton	21,303	5,006	23					
Trucks, 6-ton & over	22,741	4,001	18					
Semi-trailers	12,539	3,136	25					
Trailers	53,885	24,722	46					

* International Aid and Navy deliveries included.

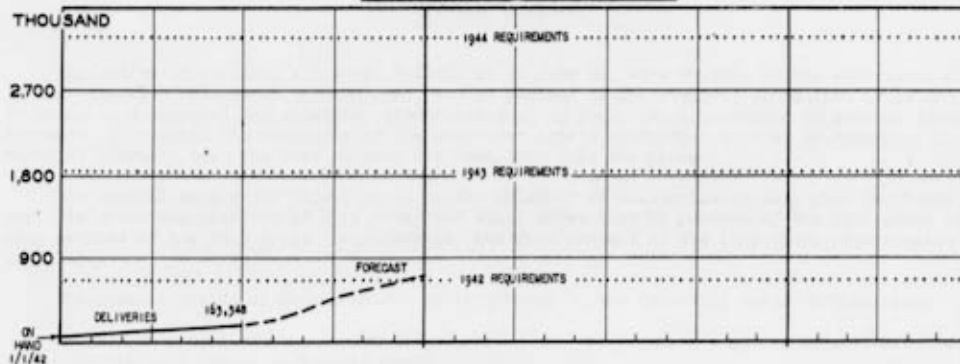
** Includes data for Navy, War Aid and the other Supply Services.

Quartermaster Corps

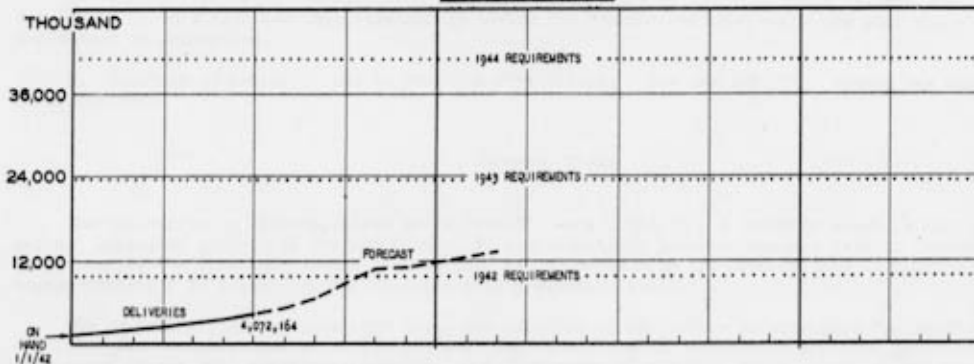
Q. M. STATUS OF SELECTED CLOTHING ITEMS - JUNE 30, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

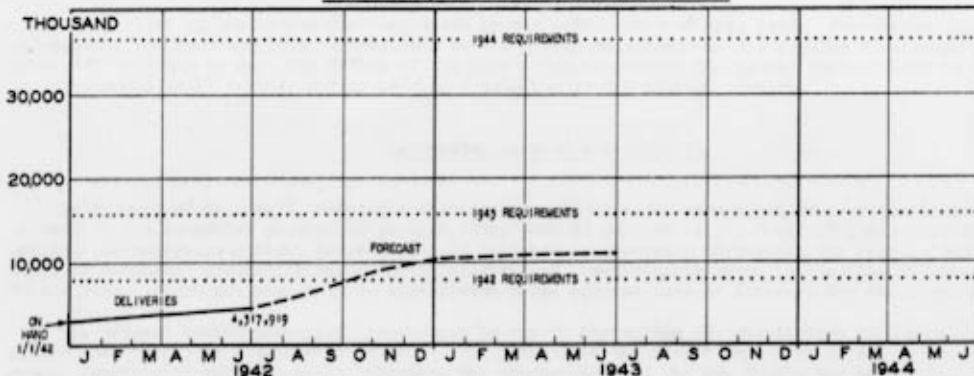
MITTENS, ASBESTOS, M-1935



JACKETS, FIELD



RAINCOAT, MOUNTED & DISMOUNTED



Quartermaster Corps

TEXT SUMMARY - PROCUREMENT OF BASIC ITEMS OF SUPPLY - JULY 16, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

Mittens, Asbestos, M-1935

Deliveries of Mittens, asbestos, M-1935, as of June 30, were 99,859, or the equivalent of 91 percent of the scheduled production through June, and 43 percent of the required production as of the same period. In order to accomplish the required production goal of 1942, an approximate 58 percent constant rate of increase throughout the remainder of the year over June's production will be necessary. In contrast, a material increase over the rate to date has been less than one percent.

The overall picture of this item (i.e. the relation of deliveries to date plus "on hand" as of January 1 to gross requirements of 1942, 1943 and 1944) shows that 25 percent of the 1942 gross requirements, nine percent of the 1943 gross requirements, and five percent of the 1944 gross requirements have been fulfilled.

The present status of this item can be attributed to the following major difficulties:

1. Former specifications called for a herringbone weave which required special machinery; this has been overcome by a change to a plain weave.
2. Gloves were being manufactured from one solid piece of material which slowed down the process considerably; this also has been remedied by having the "thumb" stitched on to the palm which simplifies and speeds up production.
3. Shortage of asbestos due to poor priority rating. New low priority rating has this condition under control.

Jackets, Field

The deliveries of Jackets, field as of June 30, were 2,864,710, a quantity which is only two percent behind scheduled production through June. An approximate 19 percent constant rate of increase has prevailed during the first six months of this year as compared with the approximate 15 percent rate of increase necessary to accomplish the 1942 required production goal.

The overall picture of this item (i.e. the relation of deliveries to date plus "on hand" as of January 1 to gross requirements of 1942, 1943 and 1944) shows that 41 percent of the 1942 gross requirements, 17 percent of the 1943 gross requirements, and 10 percent of the 1944 gross requirements have been fulfilled.

The problem of production does not exist in the procurement of this item. Production can be greatly increased, and 1942 and 1943 requirements can be easily met; however, the problem of storage is becoming more difficult day by day. The Office of the Quartermaster General has issued instructions to "slow-down" on acceptances until further notice pending a solution to the storage problem.

Raincoats, Mounted & Dismounted

Deliveries of Raincoats, mounted & dismounted as of June 30, were 1,606,287, or the equivalent of 94 percent of the scheduled production through June, and 83 percent of the required production for the same period. An approximate eight percent rate of increase is necessary throughout the year in order to reach the 1942 required production based on the established requirements shown in the Monthly Status Report. In contrast, there has been only an approximate three percent rate of increase for the first six months.

The percent behind scheduled production is due to the change in manufacture of the raincoat from a rubber coat fabric to a synthetic fabric. The process in the former was carried out by cementing the rubber fabric with rubber cement; whereas, the process used on the new fabric has been stitching. This required a change of machinery and trained personnel. The Office of the Quartermaster General feels that both problems will be overcome in the near future, and that 1942 requirements will be met without difficulty.

Quartermaster Corps

TEXT SUMMARY - SIGNAL CORPS PROCUREMENT - JULY 16, 1942

Source of Information: Office of the Chief Signal Officer,
Materiel Division, Procurement Branch

VEHICULAR RADIO EQUIPMENT - ARMORED FORCE

An analysis of the report on "Synchronization of Radio Communication Equipment with Armored Force Vehicles", prepared in the Office of the Chief Signal Officer, as of June 30 has been made. This analysis reveals that there has been an increase in requirements of vehicular radio sets for the Armored Force. This increase was due primarily to the inclusion of the SCR-510, (portable set frequently used on the ground), which was not shown in previous reports.

Signal Corps representatives visited Armored Force Headquarters at Fort Knox and attempted to reconcile certain discrepancies noted in previous reports. One of the primary questions settled was the total number of substitute standard radio sets which have been transferred out of the Armored Force upon replacement by standard equipment now coming from production lines in considerable volume. It was also decided that radio sets listed as "dropped from accountability" would no longer be added to the total radio sets on hand, since the majority of them would no longer be used by the Armored Force. By virtue of these transfers no great increase will be reflected in the quantity of radio sets on hand in the Armored Force until substitute standard equipment now on hand has been completely replaced. Under this new set up, the Armored Force reports 5,663 vehicular radio sets on hand to meet requirements of 8,615 at the end of June.

Vehicular radio sets are now being shipped in quantities from Signal Corps Depots to intermediate Ordnance Depots, where signal equipment is installed in tanks under the supervision of Signal Corps technical crews. While facilitating the delivery of tanks complete with armament and communications equipment, this method causes a delay in delivery of radio sets to Armored Force units, since previously sets were reported on hand before installation in vehicles was effected.

NICKEL

The shortage of nickel is closely allied with the lack of steel, since nickel is vital as an alloy in the production of the quality of steel necessary to meet Signal Corps requirements. The shortage of this raw material threatens to affect the production of radio tubes for which there are huge demands. Requisitions for International Aid alone approximate almost 10,000,000 tubes. The Army and Navy Munitions Board is arranging to supply larger working stocks of nickel, but the inevitable delay in acquiring these stocks continues to be reflected in the Signal Corps procurement program.

TABULAR SUMMARY - STATUS OF SELECTED SIGNAL CORPS ITEMS ON ARMY SUPPLY PROGRAM - JULY 8, 1942

Source of Information: Office of the Chief Signal Officer, Materiel Division, Procurement Branch.

Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jul 8	Apr	May	Jun	Jul 1-8	Jul	Aug	Sep
AIRCRAFT RADIO COMM. EQUIP.											
Frequency Meter SCR-211	81,662	80,412	51,452	9,789	2,684	2,056	2,517	509	3,100	4,300	5,300
Interphone Equipment											
RC-27	36,073	36,073	26,634	10,554	1,256	2,269	4,443	1,336	2,500	2,500	300
RC-34	3,840	3,840	3,840	900	0	0	600	300	350	350	350
RC-36	69,981	69,981	43,456	8,752	1,608	2,318	3,023	922	2,500	3,000	3,600
RC-45	5,183	5,183	2,897	1,224	213	37	598	376	400	400	500
RC-73	21,496	21,136	15,179	993	0	0	950	43	1,500	3,500	3,500
Command Radio											
SCR-183	41,987	20,134	29,883	6,443	2,153	1,059	1,886	40	2,000	2,100	2,100
SCR-274	120,289	72,736	96,131	13,863	1,738	2,742	4,205	1,270	3,200	3,700	5,300
SCR-283	8,522	7,805	4,870	2,326	415	618	1,162	0	800	800	900
SCR-522	66,479	37,094	53,915	2,093	501	510	624	458	3,500	4,200	4,300
Liaison Radio											
SCR-187	4,123	4,123	2,458	630	121	157	129	15	300	300	300
SCR-287	63,582	62,832	38,895	4,447	1,054	983	1,128	246	800	800	1,240
Sea Rescue Radio											
SCR-578	81,784	40,910	52,925	1,966	0	369	999	598	3,232	6,000	6,000
Test Set I-77	4,437	4,437	5,025	3,843	1,103	0	1,950	0	594	0	0
AIRCRAFT RADIO NAV. EQUIP.											
Contacting Equipment RC-96	59,698	59,698	46,384	16,050	5,465	4,862	1,510	0	2,500	3,500	3,500
Filter Equipment RC-32	139,886	139,886	183,220	35,110	11,877	2,000	7,137	2,256	10,000	12,000	12,000
Localizer Receiver RC-103	35,560	30,000	47,820	0	0	0	0	0	0	2,500	3,500
Marker Beacon Equipment											
RC-39	4,579	4,579	2,775	2,952	331	899	1,341	0	850	777	0
RC-43	67,338	63,790	39,124	25,598	7,026	7,190	5,177	1,669	6,000	6,000	6,500
Radio Compass SCR-269	74,254	74,142	42,895	8,495	455	632	3,525	450	3,500	4,000	4,400
Absolute Altimeter											
SCR-518, SCR-618	40,342	22,995	17,600	167	0	0	155	12	500	750	1,000
WIRE COMMUNICATION EQUIP.											
Reel Cart RL-16	8,400	8,400	442	35	0	35	0	0	100	200	2,000
Reel Equipment CE-11	35,669	35,669	26,777	23,159	12,451	4,149	6,559	0	5,000	5,000	2,510
Reel Unit RL-31	9,156	9,156	11,685	1,430	0	0	560	0	500	1,000	2,000
Switchboard											
BD-71	3,614	3,614	2,327	951	0	371	298	0	200	200	500
BD-72	4,811	4,730	6,470	1,756	250	113	167	0	200	200	500
BD-74-H	162	162	112	49	31	0	0	0	0	20	20
BD-91	865	0	865	Recently placed under procurement. Not yet awarded.							
Telegraph Central Office											
Set TC-3	498	498	374	0	0	0	0	0	10	25	50
Telegraph Printer EE-97	1,894	1,894	2,564	585	0	248	337	0	200	500	500
Telegraph Set TC-5	12,441	12,441	9,013	3,729	526	1,122	556	0	500	1,000	2,000
Telephone EE-8-A	284,307	280,557	135,876	52,605	1,810	5,796	13,592	5,159	25,000	25,000	50,000
Telephone Central Office											
Set TC-1	111	111	103	61	10	0	0	0	10	10	10
Set TC-2	198	198	150	50	0	0	0	0	0	0	0
Set TC-4	645	645	1,378	0	0	0	0	0	10	20	50
Test Set EE-65	8,064	8,064	3,371	2,810	0	0	330	0	200	500	1,000
Wire W-110 (Thou miles)	921	921	367	339	66	115	54	8	63	88	88
Wire W-130 (miles)	113,899	100,399	60,218	36,708	7,151	11,040	8,747	1,865	10,000	10,000	20,000

* Quantity delivered prior to January 1, 1942, has been excluded.
Figures include procurement for International Aid and other Services.

TABULAR SUMMARY - STATUS OF SELECTED SIGNAL CORPS ITEMS ON ARMY SUPPLY PROGRAM - JULY 8, 1942

Source of Information: Office of the Chief Signal Officer, Materiel Division, Procurement Branch.

Item	Author- ized	Under contract	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jul 8	Apr	May	Jun	Jul 1-8	Jul	Aug	Sep
GROUND RADIO COMMUNICATION											
RADIO SETS											
Ground-Air Liaison and Army, Corps & Division Communication											
SCR-177	1,365	1,365	1,434	512	2	60	0	0	150	200	200
SCR-178	1,812	1,812	2,447	420	344	0	0	0	25	250	250
SCR-188	2,652	2,652	2,407	114	0	40	34	13	250	400	400
SCR-197	160	160		51	0	0	0	0	0	50	59
SCR-299	2,317	1,817	2,346	250	104	146	0	0	0	100	250
Intra-Regiment Communication											
SCR-284	19,681	19,681		770	0	0	610	160	1,000	1,500	1,500
SCR-288	1,539	1,539	17,912	1,200	189	475	393	0	339	0	0
SCR-543	1,581	1,581	2,127	125	0	0	64	61	250	250	300
Radio Intelligence, S.C.											
SCR-206	324	313	338	131	26	5	0	0	0	50	50
SCR-243	104	104	98	46	22	24	0	0	5	10	20
SCR-244	372	372	360	0	0	0	0	0	100	150	122
SCR-255	148	148	152	101	24	16	45	0	0	0	0
Short Range Portable											
SCR-194	6,897	6,897	2,657	5,103	820	450	310	83	500	107	100
SCR-195	2,514	1,514	1,999	1,324	124	0	0	0	25	75	90
SCR-509	1,582	1,582	596	1,582	1,315	142	0	0	0	Completed	
SCR-536	13,433	13,433	14,310	8,965	507	3,301	2,238	282	2,500	2,250	0
SCR-609	897	897	856	897	0	107	790	0	0	Completed	
Animal Pack, Cavalry Field Artillery											
SCR-179	126	126	120	0	0	0	0	0	0	25	50
SCR-203	96	96	0	96	0	0	21	0	0	Completed	
Short Range Vehicular Field Artillery											
SCR-608	10,053	10,053	6,197	3	0	0	3	0	300	800	1,500
SCR-610	24,288	24,288	19,248	4,477	0	462	2,503	1,244	5,000	5,000	6,000
SCR-628	2,374	2,374	2,067	4	0	0	4	0	200	300	500
Cavalry, Lightweight											
SCR-511	4,416	4,416	3,869	17	0	0	4	13	500	1,000	1,000
Vehicular and Tank- Armored Force											
SCR-193 AM Type	6,562	6,562	600	76	0	0	0	0	200	300	300
SCR-245 AM Type	6,592	6,586	2,013	1,973	127	294	687	41	550	600	850
SCR-293 FM Type	872	872		615	61	68	148	27	150	134	0
SCR-508 FM Type III	16,433	16,433	3,799	752	578	0	155	0	200	400	1,000
SCR-294 FM Type	786	786		761	72	187	228	50	75	0	0
SCR-538 FM Type III	67,773	67,773	19,664	2,845	642	1,304	541	0	1,000	1,600	4,000
SCR-506 AM Type II	13,500	13,500	4,733	Production starts in November, 1942.							
SCR-510 FM Type IV	6,254	6,254	7,172	4,361	1,000	1,570	659	215	1,000	1,108	0
SCR-528 FM Type III	30,504	30,504	12,629	2,148	931	384	401	0	600	1,100	3,000
GROUND-AIR NAVIGATIONAL AID											
Control Net System SCS-2	20	20	20	3	0	1	2	0	2	4	5
Control Net System SCS-3	120	120	53	0	0	0	0	0	0	8	9
Homing Device SCR-277	145	145	28	Production starts in October, 1942.							

* Quantity delivered prior to January 1, 1942 has been excluded.
Figures include procurement for International Aid and other Services.

TABULAR SUMMARY - STATUS OF SELECTED SIGNAL CORPS ITEMS ON ARMY SUPPLY PROGRAM - JULY 8, 1942

Source of Information: Office of the Chief Signal Officer, Materiel Division, Procurement Branch.

Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jul 8	Apr	May	Jun	Jul 1-8	Jul	Aug	Sep
GROUND RADIO DETECTION EQUIPMENT											
Aircraft Warning											
SCR-268	4,736	4,736	1,797	237	46	7	46	20	80	120	150
SCR-270	487	434	278	60	16	10	16	0	17	55	65
SCR-271	84	58	70	37	5	18	3	4	25	5	5
SCR-527	636	400	16	Production starts in November, 1942.							
SCR-588	204	204	204	12	1	3	3	1	9	16	16
Antiaircraft											
SCR-545	273	273	606	{ New development; production starts in 1943. Production starts in January, 1943.							
SCR-584	2,750	2,750									
Gun Laying, Fixed Station											
SCR-296	176	175	218	1	1	0	0	0	0	18	28
Identification											
SCR-533	51	51	40	41	0	7	15	8	18	0	0
Range Finder											
SCR-547	1,212	812	812	0	0	0	0	0	5	10	20
AIR-BORNE RADIO DETECTION AND RECOGNITION EQUIPMENT											
SCR-515 US-IFF	19,691	19,691	19,536	352	7	257	0	0	500	1,000	2,000
SCR-517 ASV-10	3,265	2,765	500	42	0	8	34	0	125	133	10
SCR-520 AI-10	2,171	2,165	950	4	0	4	0	0	0	97	110
SCR-521 US-ASV, MK II	7,255	7,249	7,114	1,817	293	211	1,244	0	650	650	368
SCR-540 BR.-AI, MK IV	586	586	400	80	5	59	16	0	80	100	100
SCR-535 BR.-IFF, MK II	31,764	16,710	15,000	4,826	768	935	2,813	0	4,000	4,000	3,884
SCR-595 US-IFF, MK III	18,500	18,500	18,500	0	0	0	0	0	500	1,500	2,500
SCR-695 US-IFF, MK III-G	18,000	18,000	18,000	0	0	0	0	0	50	1,000	2,500
ACCESSORY EQUIPMENT-GROUND											
Charging Set SCR-169	3,466	3,466	2,525	200	0	0	200	0	400	500	500
Chest BC-5	32,959	32,959	12,153	1,394	181	229	0	0	300	500	1,000
Loudspeaker LS-3	26,506	26,506	16,688	11,500	40	0	9,150	2,310	12,000	5,316	0
Maintenance Equip. ME-13	1,014	1,014	1,014	0	0	0	0	0	200	400	414
Power Unit PE-75	2,354	2,354	1,275	179	0	40	71	68	500	700	700
(Radio) Receiver BC-342	1,213	1,213	25	1,188	299	169	439	6	31	0	0
Test Set I-56	6,867	6,867	8,768	598	23	0	0	0	205	100	400
MISCELLANEOUS SIGNAL EQUIP.											
Converter M-209	51,929	51,929	48,513	0	0	0	0	0	100	500	1,000
Converter M-222	865	865	986	Recently placed under procurement.							
Flash Ranging Set GR-4	24	24	31	12	0	12	0	0	34	7	0
Photographic Set PH-261	101	101	51	0	0	0	0	0	50	0	0
Signal Lamp Equip. EE-84	1,935	1,935	1,361	559	0	129	0	0	100	200	200
Sound Ranging Set GR-3	86	86	78	27	5	9	5	2	5	5	10
Theodolite ML-47	431	431	46	0	0	0	0	0	25	25	25
Time Interval Apparatus EE-85	155	155	127	23	0	0	0	23	10	25	25
Time Interval Apparatus EE-86	102	0	112	0	0	0	0	0	0	12	0
Meteorological Obsn. Set											
SCM-14	0	0	150	Recently standardized.							
SCM-15	0	0	150	Recently standardized.							
SCM-16	0	0	150	Recently standardized.							

* Quantity delivered prior to January 1, 1942 has been excluded.
Figures include procurement for International Aid and other Services.

TEXT SUMMARY - CORPS OF ENGINEERS - PROCUREMENT PROGRESS THROUGH JULY 8, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

GENERAL

Initial 1942 deliveries were reported for Trailer, triangulation tower. The 1942 objective is 47 and a total of 25 deliveries have been reported.

Of the 41 items shown in the tabular summary on the two following pages, 28 have July schedules, and 19 of the 41 items reported July deliveries.

CONTRACT STATUS

Procurement limitations are reported on five items indicated below, and in the case of each of these attempts are under way to remedy the difficulty. All of these items are behind schedule, and one, Boat, half with 7 paddles, shows no deliveries to meet 1942 required production.

BOAT, HALF WITH 7 PADDLES - Of all the 41 selected items shown this item probably shows the most serious procurement delinquency, based on the 1942 deliveries and total number under contract.

This item shows no 1942 deliveries to meet 1942 required production of 5,383 units. There are 11,951 under contract; 300 are scheduled for delivery in July and 850 in August.

Production has been delayed due to low priority ratings, and a request has been initiated for higher priorities.

COMPRESSOR, AIR, MOTORIZED - Steel sheet shortage is causing delay in deliveries of this item. Procurement of steel is being expedited and a request has been made for higher priority rating.

Of a total of 1,542 under contract 98, or 6% of those contracted, are delivered. Required production for 1942 totals 678 units. The manufacturer is beginning to make deliveries, and 150 are scheduled for delivery in July and 160 in August.

SEMI-TRAILER, 1500 GAL. WATER - Difficulty in obtaining springs and castings has caused serious procurement delay, but manufacturer is now making deliveries. There is a total of 255 under contract and of these 24 are delivered. The 1942 required production for Troop Equipment needs are 435, and 205 of these are under contract. There are 50 under contract for International Aid, and none of these have been delivered. Initial 1942 deliveries on this item were reported in June.

TRAILER, FOR MEDIUM TRACTOR - Limited deliveries have been due to difficulty in obtaining axles. Immediate supply of axles is expected and manufacturer will resume deliveries at the rate of 200 per month upon receipt of axles.

There are 2,322 under contract, and 1942 deliveries for all procurement categories are 110 or 5% of those under contract. Of those delivered, 21 are for 1942 Troop Equipment requirements of 724. Initial 1942 deliveries for Troop Equipment and Theatre of Operations needs were reported during the past week.

TRAILER (FOR TRIANGULATION TOWER) - Procurement of this item has been delayed due to difficulty in obtaining brake cables, however, a supply of these cables has been received by the manufacturer and deliveries of 25 were reported during the past week.

TABULAR SUMMARY - PROCUREMENT STATUS OF SELECTED ITEMS - CORPS OF ENGINEERS
JULY 8, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

Item		Author- ized	Under contract	Req'd prod. 1942	Accepted					Estimated		
					Jan 1- Jul 8	Apr	May	Jun	Jul 1-8	Jul	Aug	Sep
Auger, earth, motorized	Troop Equipment	33	33	0	33	7	8	8	0	0	0	0
	Int. Aid	12	12	0	6	0	0	0	0	0	0	6
Balloon, Barrage	Troop Equipment	5,143	5,143	(a)	1,325	(a)	236	401	0	(a)	(a)	(a)
Boat, half, w/7 paddles	Troop Equipment	4,205	4,205	3,383	0	0	0	0	0	300	300	1,700
	Int. Aid	1,800	1,800	2,000	0	0	0	0	0	0	0	0
	Others	6,945	6,945	(b)	0	0	0	0	0	0	550	2,370
Boat, power, with trailer	Troop Equipment	279	279	143	61	36	0	0	2	5	25	0
	Theater of Oper.	70	70	(b)	78	4	14	42	18	18	0	0
	Others	100	100	100	0	0	0	0	0	25	25	46
Boat, reconnaissance	Troop Equipment	230	230	2,190	0	0	0	0	0	30	0	0
	Int. Aid	180	180	0	0	0	0	0	0	0	0	0
	Others	270	270	(b)	0	0	0	0	0	0	0	0
Bridge, steel, port., H-10	Troop Equipment	34	34	27	16	0	0	0	0	(a)	(a)	0
	Theater of Oper.	32	32	(b)	0	0	0	0	0	0	0	10
	Int. Aid	3	3	15	3	0	0	0	0	0	0	0
Bridge, steel, port., H-20	Troop Equipment	57	57	0	49	9	10	0	0	5	0	0
	Theater of Oper.	16	16	(b)	0	0	0	0	0	(a)	(a)	0
Bridge, steel, trestway	Troop Equipment	19	19	17	3	0	0	0	0	4	0	0
	Int. Aid	5	5	5	0	0	0	0	0	(a)	(a)	0
Camera, copying, motorized	Troop Equipment	8	8	10	8d	8d	0	0	0	0	0	0
	Theater of Oper.	11	11	(b)	0	0	0	0	0	0	4	0
Compass, lensatic, (thou)	Troop Equipment	128	113	53	89	5	24	24	5	15	15	15
	Others	13	13	(b)	0	0	0	0	0	0	0	13
Compressor, air, motorized	Troop Equipment	1,192	1,192	529	0	0	0	0	0	150	160	170
	Theater of Oper.	200	200	(b)	45	0	0	48	0	0	0	0
	Int. Aid	389	149	149	49	49	0	0	0	0	0	12
	Others	1	1	(b)	1	0	1	0	0	0	0	0
Crane, truck, mounted	Troop Equipment	125	49	75	49	6	16	0	0	0	0	0
	Theater of Oper.	145	145	(b)	20	0	8	12	0	25	25	25
	Int. Aid	106	106	9	6	0	0	0	0	0	0	0
Duplicating equip. 16"x16"	Troop Equipment	986	986	625	555	0	555	0	0	0	0	0
Electric lgt. equip., SKVA	Troop Equipment	1,763	1,763	1,014	389	126	196	67	0	120	120	45
	Theater of Oper.	50	50	(b)	50	0	0	0	0	0	0	0
	Others	367	367	(b)	5	0	5	0	0	0	0	0
Electric lgt. equip., 5KW	Troop Equipment	917	417	251	109	0	0	0	0	61	122	21
	Theater of Oper.	1,394	1,394	(b)	532	65	135	113	69	229	200	200
	Int. Aid	232	213	100	163	0	27	0	0	0	0	0
	Others	149	69	(b)	69	0	0	0	0	0	0	0
Explosive, amm. nitr. (tons)	Troop Equipment	1,905	700	1,680	125	45	2	75	0	80	80	(a)
Explosive, TNT (tons)	Troop Equipment	7,500	2,250	4,299	1,301	235	240	213	0	135	135	(a)
Float, pneumatic	Troop Equipment	1,200	1,200	1,739	545	0	0	445	101	235	0	0
	Int. Aid	3,040	3,000	500	2,043	50	230	1,532	231	700	56	0
	Others	2,160	2,160	(b)	180	0	180	0	0	50	114	0
Grader, road, motorized	Troop Equipment	195	195	103	113	12	49	50	1	20	30	21
	Int. Aid	20	20	0	0	0	0	0	0	0	0	0
Instruments, drawing, field	Troop Equipment	22,288	22,288	10,295	5,610	400	1,518	1,150	1,000	1,950	1,957	1,150
	Int. Aid	153	153	0	153	0	153	0	0	0	0	0

(a) Being developed
(b) Program developed as needed

(c) Contingent upon receipt of material
(d) Cameras awaiting installation in trucks

Corps of Engineers

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STATISTICS AND PROGRESS BRANCH
CONTROL DIVISION - HEADQUARTERS,
SOS - 7-16-42

TABULAR SUMMARY - PROCUREMENT STATUS OF SELECTED ITEMS - CORPS OF ENGINEERS
JULY 8, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

Item		Author- ized	Under con- tract	Req'd prod. 1942	Accepted					Estimated		
					Jan 1- Jul 8	Apr	May	Jun	Jul 1-8	Jul	Aug	Sep
Mixer, concrete	Troop Equipment	168	168	172	0	0	0	0	0	60	28	0
	Theater of Oper.	55	55	(a)	54	0	0	33	6	0	0	0
	Int. Aid	82	82	0	42	0	27	15	0	0	20	0
Ponton, bridge, 10-ton	Troop Equipment	32	32	37	3	0	0	2	1	(b)	(b)	1
	Theater of Oper.	5	5	(a)	0	0	0	0	0	(b)	(b)	0
	Int. Aid	22	22	12	10	1	1	0	0	(b)	(b)	0
Ponton, bridge, 25-ton	Troop Equipment	50½	50½	57½	18	1	6	0	0	(b)	(b)	(b)
	Theater of Oper.	128	128	174	126	18	40	20	16	0	0	0
	Int. Aid	138	138	(a)	0	0	0	0	0	0	0	0
Searchlight, 24", beach def.	Troop Equipment	6,421c	6,421	1,424c	762	88	128	197	14	75	125	175
	Theater of Oper.	4,200	4,200	2,165	0	0	0	0	0	0	0	80
	Int. Aid	0	0	79	0	0	0	0	0	0	0	0
Semi-trailer, 1500 gal water	Troop Equipment	205	205	455	1	0	0	1	0	72	80	55
	Theater of Oper.	50	50	(a)	25	0	0	11	12	28	0	0
	Int. Aid	327	327	202	79	13	10	12	2	12	12	24
Shovel, gasoline, 1½-yd.	Troop Equipment	70	70	(a)	50	3	5	25	14	20	20	0
	Theater of Oper.	328	328	0	4	0	4	0	0	10	15	7
	Int. Aid	26	26	20	10	3	4	1	0	(d)	(d)	7
Special equip., Aviation	Troop Equipment	113	113	(a)	4	0	4	0	0	(d)	(d)	7
	Theater of Oper.	158	158	51	150	0	130	0	0	0	0	0
	Int. Aid	4,261	4,261	2,474	1,267	0	112	481	91	71	200	200
Stereocomparagraph equip.	Troop Equipment	437	437	0	0	0	0	0	0	150	154	0
	Theater of Oper.	877	877	653	121	0	45	72	4	85	210	207
	Int. Aid	365	365	(a)	65	34	1	0	0	240	50	0
Tractor, med. w/angledozer	Troop Equipment	0	0	315	0	0	0	0	0	0	0	0
	Theater of Oper.	300	300	165	112	0	0	0	0	48	0	0
	Int. Aid	1,057	1,057	724	21	0	0	0	21	200	200	0
Trailer, (light tractor)	Troop Equipment	485	485	(a)	65	0	0	0	65	0	0	0
	Theater of Oper.	30	30	0	24	0	0	0	0	0	0	0
	Int. Aid	750	750	(a)	0	0	0	0	0	0	0	70
Trailer, (medium tractor)	Troop Equipment	2,648	2,648	925	2,548	100	685	412	153	0	0	0
	Theater of Oper.	4,790c	2,165	2,165	0	0	0	0	0	0	0	0
	Int. Aid	0	0	79	0	0	0	0	0	0	0	0
Trailer, 60" searchlight	Troop Equipment	71	71	47	26	0	0	12	13	39	4	0
	Theater of Oper.	1,824	971	806	456	63	44	191	0	100	100	96
	Int. Aid	80	30	0	30	0	0	0	0	0	0	39
Transit, Engineers, 1-min.	Troop Equipment	400	400	(a)	0	0	0	0	0	0	0	0
	Theater of Oper.	2,149	539	421	539	100	72	67	0	0	0	0
	Int. Aid	213	213	0	72	0	80	12	0	12	12	12
Transit, Engineers, 20-sec.	Troop Equipment	36	36	24	36	10	0	16	0	0	0	0
	Theater of Oper.	66	66	42	32	10	12	2	0	12	0	0
	Int. Aid	120	120	(a)	45	18	0	22	4	20	20	20
Water purif. unit, mobile	Troop Equipment	20	20	20	0	0	0	0	0	0	0	0
	Theater of Oper.	830	830	138	18	0	0	0	0	0	5	0
	Int. Aid	1,120	1,120	(a)	809	66	133	118	92	150	150	155
Water supply equip., Engineer	Troop Equipment	100	100	100	0	0	0	0	0	0	0	0
	Theater of Oper.	350	350	205	343	18	305	20	0	0	0	0
	Int. Aid	80	80	(a)	50	0	0	0	0	0	0	0
Welding & cutting set	Troop Equipment	54	4	0	4	0	0	0	0	0	0	0
	Theater of Oper.	573	573	(a)	102	102	0	0	0	0	0	0
	Int. Aid	0	0	0	0	0	0	0	0	0	0	0

(a) Program developed as needed
 (b) Contingent upon receipt of material
 (c) Includes 295 for Seacoast Defense

(d) Schedule being developed
 (e) Includes 2,625, for 1943 requirements

TEXT SUMMARY - CONSTRUCTION PROGRESS - JUNE 30, 1942

Source of Information: Construction Division, Office of the Chief of Engineers

As of June 30, 1942, the War construction program provided for 1,678 projects at an estimated completion cost of 7,560 million dollars. These projects represent not only the original major construction jobs, but sizeable additions thereto.

The following table indicates the completion status of the total program:

	Number of projects	Percent of total projects
Completed and ready for use	839	50
Ahead of schedule	111	7
On schedule	474	28
Behind schedule	202	12
Not started	52	3
TOTAL	1,678	100

The value of completed and ready for use projects is 3,090 million dollars, 41 percent of the total cost of the program. However, construction in place is valued at 4,315 million dollars or 57 percent of total cost.

Total troop housing, when completed, will provide facilities for 4,045,943 men. There are facilities for 2,430,787 men to date. Of 107 Camps and Cantonment jobs, 71 (66 percent) are completed and ready for use; housing facilities in these completed jobs are available for 1,328,954 officers and enlisted men.

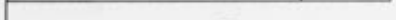
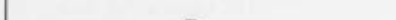
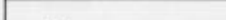
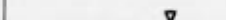
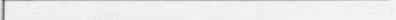
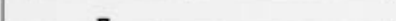
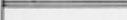
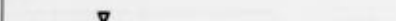
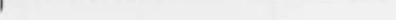
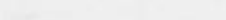
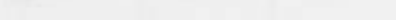
AIR CORPS -- As of June 30, the Air Corps construction program in Continental U. S. provided for 587 projects. The estimated cost of these projects is 2,045 million dollars, of which projects costing 535 million dollars have already been completed and are ready for use. The value of construction in place, however, is 888 million dollars, or 43 percent of the total cost.

The following table indicates the current construction status of the Air Corps program.

	Number of Projects			Percent
	Tactical Units	Non-Tactical Units	Total	
Completed & ready for use	94	107	201	34
Ahead of schedule	17	21	38	7
On schedule	76	152	228	39
Behind schedule	43	53	96	16
Not started	14	10	24	4
TOTAL	244	343	587	100

CORPS OF ENGINEERS - WAR CONSTRUCTION PROGRESS - JUNE 30, 1942

Source of Information: Construction Division, Office of the Chief of Engineers

Type	Cost of Construction*			Percent of Estimated Cost	
	Esti- mated Cost	Value in Place	Completed & ready for use	In Place 	Completed & ready for use 
				0	20 40 60 80 100
O'Seas D'chge & Repl. Dep.	\$ 5	\$ 5	\$ 5		
Other Troop Facilities	541	410	339		
Camps and Cantonments	1,355	1,033	768		
Ports of Embarkation	44	31	21		
Misc. Ordnance Facilities	82	55	42		
Storage Depots	190	117	91		
Miscellaneous	78	47	9		
Staging Areas	96	56	47		
Ordnance Mfg. Plants	2,345	1,323	1,020		
Amm. Load, & Back-up Areas	28	14	2		
Ordnance Amm. Stor. Dep.	321	157	108		
Air Corps Tactical Units	516	255	144		
Chemical Warfare Plants	217	101	56		
Air Corps Non-Tactical Units	1,529	633	390		
General Hospitals	95	36	25		
Holding & Recons. Points**	118	42	23		
TOTAL	\$7,560	\$4,315	\$3,090		

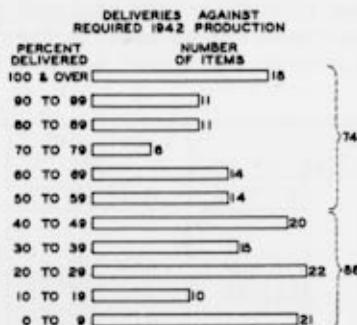
* All figures are in millions of dollars

** Includes War Aid Depots

TEXT SUMMARY - MEDICAL DEPARTMENT - FOR WEEK ENDED JULY 10, 1942

Source of Information: Finance & Supply Div. - Office of Surgeon General

STATUS OF DELIVERIES: The diagram at the right distributes the 161 critical and essential items in the June Monthly Status Report by percent of required 1942 production delivered. The tabulations on the following pages present detailed information on those items on which deliveries of 30 percent or less have been made.



X-RAY EQUIPMENT: Generally speaking, items of x-ray equipment and supply show rather low percentages of delivery against the required 1942 production. Of 13 such items listed in the Monthly Status Report, 11 had deliveries of less than 50 percent on June 30, while seven of these had deliveries of 30 percent or less.

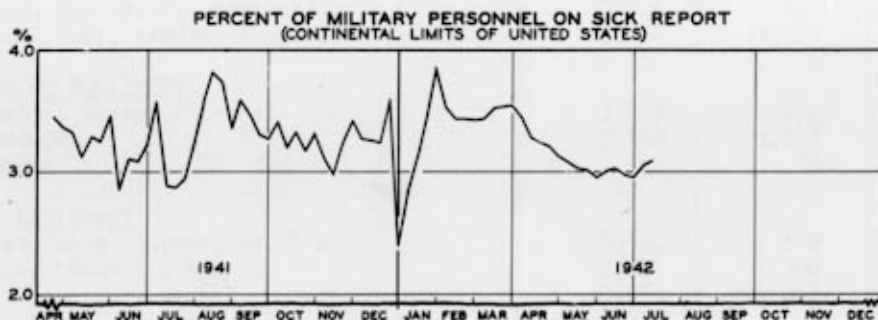
It is anticipated, however that the requirements will be met. Procurement of the copper cables necessary to complete the machines has been difficult, but substitute sizes are now being introduced. One of the chief bottlenecks lies in securing volt and milliampere meters, due to the substantial requirement of the Air Corps, Signal Corps, and Corps of Engineers. It is understood that one manufacturer has several radiographic and fluoroscopic (200 milliampere) machines ready for delivery except for installation of the meters, and in the light of the present situation, delivery cannot be expected before September.

ANESTHESIA APPARATUS, NITROUS OXIDE: The chief factor influencing the procurement of this item is the difficulty of obtaining requisite valves and pumps from sub-contractors, who, in turn, have encountered the low priorities granted the Medical Department in attempting to secure basic materials. It is expected that the recent revisions of Medical Department priority restrictions will result in improvement here.

SURGICAL INSTRUMENTS: Although 15 surgical instruments show material lag in percent of requirement delivered, it may be well to point out that they are for the most part specialist's instruments of comparatively low requirement. Procurement on critical surgical instruments as a group presents a rather favorable picture.

PERCENTAGE OF MILITARY PERSONNEL ON SICK REPORT: In the week ended July 9, 1942, the percent sick within the continental limits of the United States was 3.08. There were 2.89 percent in hospital and .19 percent in quarters.

The line below presents a recapitalization of the percent sick (hospital and quarters combined) by weeks from April 17, 1941, to July 9, 1942. No attempt has been made to correct it for the absence of troops on maneuvers, holiday leave, or other such factors.



MEDICAL DEPARTMENT - LAGS IN REQUIRED PRODUCTION - JUNE 30, 1942

Source of Information: Medical Section, June Monthly Status Report

The following items are those in the June Monthly Status Report on which there have been deliveries of 30 percent or less of the required 1942 production. Figures include International Aid and Navy requirements and transfers.

	Required 1942 production	Delivered	
		Quantity	%
<u>SURGICAL DRESSINGS</u>			
Packet, first aid	3,457,566	946,000	27
Bandage, gauze, roller, 3"	931,424	243,681	26
Bandage, gauze, compress, 2x2"	421,378	94,585	22
<u>SURGICAL INSTRUMENTS</u>			
Curette, eustachian	159	0	0
Forceps, bullet	1,524	463	30
Forceps, cystoscopic, rongeur, 7-F, flex.	393	7	2
Forceps, dressing, 5½-inch	413,824	115,485	28
Forceps, dressing, 10-inch	16,789	3,610	22
Forceps, hemo., Halstead	53,773	16,348	30
Forceps, lithotomy, curved	578	0	0
Forceps, sequestrum	1,380	300	22
Retractor, abdominal, double-ended	25,570	5,867	23
Retractor, decompression	200	0	0
Retractor, eye, Fisher	1,040	0	0
Scissors, nasal, angular	1,410	310	22
Scissors, tenotomy	133	0	0
Shears, plaster of Paris	40,569	1,957	5
Retractor, abdominal, flexible	563	163	29
<u>SURGICAL APPLIANCES</u>			
Anesthesia apparatus, nitrous oxide	1,681	10	1
Perimeter	833	205	25
Syringe, hypodermic, complete	7,841	1,850	24
Syringe, Luer, needle, 17 ga., 3" canula	167,366	26,997	16
<u>LABORATORY EQUIPMENT</u>			
Incubator, bacteriological	1,333	234	18
Microscope	5,610	1,149	20
Microtome	542	88	16
<u>DENTAL EQUIPMENT</u>			
Forceps, bone rongeur, no. 5 s	3,900	639	16
Forceps, hawkbill, Army	2,524	300	12
Unit, operating, dental	3,953	1,032	26
Chair, dental, field	5,366	0	0

MEDICAL DEPARTMENT - LAGS IN REQUIRED PRODUCTION - JUNE 30, 1942 - Continued

Source of Information: Medical Section, June Monthly Status Report

	Required 1942 production	Delivered	
		Quantity	%
<u>X-RAY EQUIPMENT</u>			
Machine, radiographic, 200ma	604	126	21
Table, urological, x-ray machine for	60	14	23
X-ray field unit, mobile	2,335	542	23
Chest, M.D., no. x-1	2,124	432	20
X-ray, field, processing unit	1,151	343	30
X-ray, field, table	1,212	111	9
X-ray, field, darkroom	690	121	18
<u>THERAPEUTIC EQUIPMENT</u>			
Bath, leg	639	6	1
Lamp, therapeutic, carbon, arc, large	64	12	19
Lamp, therapeutic, Hg., arc, air-cooled, large	530	18	3
<u>CARBON STEEL CYLINDERS</u>			
Cylinder, CO ₂ , 1 lb. 9 oz. empty	9,034	782	9
Cylinder, N ₂ O, 250 gallon, empty	19,038	1,007	5
Cylinder, O ₂ , 1500 gallon, empty	8,362	48	1
<u>OTHER HOSPITAL EQUIPMENT & SUPPLIES</u>			
Table operating	4,301	205	5
Robe, bath*	701,344	185,620	26
Sheet*	6,938,919	746,969	11
Sterilizer, hospital	676	202	30
<u>MISCELLANEOUS FIELD EQUIPMENT</u>			
Kit component, pouch	340,498	80,171	24
Autoclave, laboratory, field	1,668	268	16
Kit, first aid, aeronautic	19,812	1,142	6
Kit, first aid, motor vehicle, 12-unit	463,012	105,862	23
Bed, folding	307,274	20,978	7
Litter	45,211	1,291	3
Litter, folding	1,990	109	5
Sterilizer, instrument, 17"	7,513	2,190	29
Table, instrument, folding	3,070	358	12
Table operating, folding	2,047	32	2
Unit, power, electric	1,370	281	21

*Procured by Quartermaster.

TABULAR SUMMARY - STATUS OF SELECTED MEDICAL DEPARTMENT ITEMS ON ARMY SUPPLY PROGRAM* - JUNE 30, 1942

Source of Information: Medical Department Procurement Progress Reports

Item	Author- ized	Under con- tract	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jun 30	Mar	Apr	May	Jun	Jun	Jul	Aug
FIRST AID DRESSING											
Packet, first aid***	ee6,945	2,796	3,458	946	21	535	115	240	255	0	0
Dressing, first aid, large***	ee5,228	5,228	5,345	2,609	637	437	953	673	679	679	679
Dressing, first aid, small***	ee15,939	11,169	10,674	5,061	233	704	1,530	1,259	1,307	3,000	2,000
SURGICAL INSTRUMENTS											
Forceps, hemostatic, Abbey	11,135	11,135	7,647	6,922	846	942	1,965	0	0	1,325	1,000
Forceps, hem., H., nos., straight	72,773	36,217	53,773	16,348	6,876	5,420	1,204	44	5,301	0	4,000
Forceps, hemostatic, Jones	11,222	10,322	11,444	4,345	348	1,992	960	0	0	0	3,345
Forceps, hem., A.-K., straight	198,008	115,320	53,590	38,143	16,125	2,226	2,436	3,158	17,699	14,308	19,500
Forceps, hem., A.-F., curved	350,947	340,515	85,787	55,266	8,553	4,861	4,792	2,844	957	23,000	32,000
Forceps, hem., Kocher, straight	167,655	167,655	309,404	99,794	372	6,940	21,722	60,544	117	68,817	18,206
Forceps, hem., A.-C., 6", str.	68,411	30,515	30,515	26,867	4,356	6,552	1,272	228	0	3,648	(b)
Forceps, hem., A.-C., 7", str.	51,472	41,348	40,586	36,226	6,572	8,836	6,970	3,934	3,290	4,715	0
Forceps, hyst., Pean, curved	56,348	51,184	30,321	12,517	372	1,884	3,024	1,374	2,728	3,334	28,500
Forceps, sponge	40,396	36,283	49,979	34,330	6,448	3,936	5,320	611	2,302	(b)	
Forceps, towel, 3"	51,752	34,217	30,045	16,640	4,404	5,338	4,580	646	3,413	3,459	6,000
Forceps, towel, 5"	25,112	22,074	45,108	19,024	852	8,510	3,024	2,034	(b)	10,434	0
Holder, needle, Hegar-Mayo	71,303	69,977	95,061	62,563	3,850	8,653	15,166	25,732	5,066	43,626	3,534
Knife, operating, 14" blade	40,066	24,600	9,240	9,132	3,000	24	3,092	0	108	0	3,000
Knife, operating, 13" blade	19,758	9,686	9,670	5,476	697	2,232	1,600	963	1,282	5,173	(b)
Knife, operating, 2" blade	1,210	1,096	4,096	1,937	1,937	0	0	0	0	2,159	(b)
Scissors, bandage	203,557	191,896	188,134	98,234	14,211	21,661	20,493	13,951	27,233	36,494	15,000
Scissors, dissecting, cur., 5"	20,090	17,214	8,609	7,774	1,266	1,665	2,313	0	4,000	0	7,440
Scissors, dissecting, str., 5"	25,455	23,015	14,009	11,575	2,022	16	2,927	544	0	1,000	4,000
SURGICAL APPLIANCES											
Anesthesia apparatus, N ₂ O	946	696	1,681	10	0	0	4	0	100	78	250
Phorometer	1,497	568	425	523	63	70	28	110	0	0	0
Sphygmomanometer, mercurial	14,720	12,680	13,303	7,195	0	1,092	2,483	2,300	2,000	2,000	1,000
Splint, Thomas, arm, hinged	90,555	90,343	74,209	68,493	12,857	20,775	10,895	12,024	4,296	10,040	11,000
Splint, Army, leg, g-Ring	101,705	82,156	53,037	27,237	11,254	5,588	3,438	4,728	12,243	0	14,173
X-RAY EQUIPMENT											
Machine, radiographic, 200ma	481	421	604	126	36	22	13	10	95	19	37
X-ray, field, generator	1,041	914	1,233	387	0	78	149	105	118	164	50
X-ray, field, mobile unit	1,939	1,629	2,335	542	158	208	150	0	0	82	92
STRETCHERS											
Hospital complete	256	229	676	202	49	22	13	4	15	0	13
Hospital utensil	5,136	5,103	11,324	4,240	458	741	1,290	463	1,271	635	61
FIELD EQUIPMENT											
Kit strap, canteen ring	151,924	151,924	419,057	90,862	7,883	5,754	5,075	60,000	38,700	38,700	38,700
Kit insert, Type I	62,069	62,069	250,373	52,050	8,700	11,045	10,640	8,389	16,867	(a)	
Kit insert, Type II	22,156	19,206	48,960	3,900	2,000	1,000	0	0	5,000	10,308	(b)
Kit strap, litter	159,750	159,750	424,158	99,617	8,070	4,330	43,064	27,540	27,600	27,600	27,600
Kit pouch, canvas	150,152	150,152	340,498	80,171	13,200	9,337	26,965	29,650	53,080	52,000	20,000
Kit suspender	72,874	72,874	140,686	62,068	7,542	14,616	15,599	16,311	6,700	6,700	6,700
Chest, field, plain	16,518	16,518	10,360	7,367	11	75	0	5,511	4,710	7,723	5,035
Litter	1,684	1,684	45,211	1,291	0	0	1,291	0	0	0	0
Litter, folding	97,494	8,111	1,990	109	0	0	0	0	630	300	300

*All "Authorized" and "Under Contract" figures are less all deliveries prior to January 1, 1942. International Aid and Navy figures included.

**Figures in thousands.

**Figures as of June 23; later figures not available.

(a) Authorizations completed.
(b) Contracts completed.

MEDICAL DEPARTMENT - STATUS OF SELECTED ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Medical Department Procurement Progress Reports

	Required 1942 production*	Percent required production			Delivered Contracted, undelivered Not contracted
		Con	Due	Del	
FIRST AID DRESSINGS					20 40 60 80
Packet, first aid	3,457,566	86	38	27	
Dressing, first aid, large**	5,345,352	98	85	68	
Dressing, first aid, small	10,673,885	100	31	47	
SURGICAL INSTRUMENTS					
Forceps, hemostatic, 8 types**	259,416	100	80	70	
Forceps, hyst., Pean, curved	30,321	100	40	41	
Forceps, sponge**	49,979	73	73	69	
Forceps, towel, 2 sizes	75,153	75	36	49	
Holder, needle, Hegar-Mayo	95,061	73	23	66	
Knife, operating, 3 sizes**	22,966	100	74	72	
Scissors, bandage	184,134	100	42	53	
Scissors, dis., curved 5½"***	8,609	100	100	67	
Scissors, dis., straight 5½"	14,009	100	83	83	
HOSPITAL EQUIPMENT					
Anesthesia apparatus, N ₂ O	1,681	41	2	1	
Phorometer	425	100	100	100	
Sphygmomanometer, mercurial	13,303	95	41	54	
Splint, Thomas, arm, hinged	74,209	100	84	92	
Splint, Army, leg, ½-ring	53,037	100	62	51	
X-RAY EQUIPMENT					
Machine, radiographic, 200ma	604	70	23	21	
X-ray, field, generator	1,233	74	22	31	
X-ray, field, mobile unit	2,335	70	25	23	
STERILIZERS					
Hospital, complete	676	34	32	30	
Hospital, utensil	11,324	45	39	37	
FIELD EQUIPMENT					
Kit strap, canteen ring**	419,067	36	36	22	
Kit insert, Type I**	250,373	25	25	21	
Kit insert, Type II**	48,960	39	18	8	
Kit strap, litter**	424,188	38	38	23	
Kit pouch, canvas	340,498	43	37	22	
Kit suspender**	140,686	52	49	44	
Chest, field, plain	10,360	100	91	71	
Litter	45,211	4	4	3	
Litter, folding	1,990	100	100	5	

*Includes International Aid and Navy.

**Figures as of June 23, 1942.

TEXT SUMMARY - C. W. S. - STATUS JULY 10, 1942

Source of Information: Chemical Warfare Service Progress Reports

CHEMICAL AGENTS: Mustard Gas: The production rate of Mustard Gas is steadily increasing as the four plants at the Huntsville Arsenal are approaching full operation. During the past week there were 1,067 tons of this gas produced by the five plants now in operation.

Tear Gas, CNS: Chemical Warfare Service has been informed that the Air Corps has eliminated its requirements for this item and all contracts for the Air Corps are being cancelled. Other contracts necessary to meet the requirement for training of the ground forces is progressing satisfactory.

DECONTAMINATING AGENTS: Bleaching Material "B": This material, formerly called Agent, Decontaminating, is now being produced at a rate of approximately 500 tons per month.

Bleaching Material "A": Procurement of this item, formerly called H. T. Bleach, was started in April; deliveries have not been as rapid as anticipated. Military sanitary requirements for this item may absorb present capacity leaving none for decontaminating purposes. However, 35% bleach will be obtainable for Chemical Warfare Service requirements.

INCENDIARY BOMBS: Production of the magnesium four-pound bomb is dependent upon the allocation of magnesium. Acceptances during the past week are lower than during the previous period.

Inasmuch as the Service has almost reached its 1942 requirements of 13,500,000 substitute bombs, and no additional authorization has been granted, a steady decrease in production can be anticipated. This reduction in production rate and also the contemplated loading of M-14 Incendiary Grenades in these plants, will permit the retention of the higher skilled labor. The Service is anxious to retain its skilled labor so that, as magnesium becomes available, production can increase correspondingly.

MASK, GAS, SERVICE: Production of Service Masks is double that of the previous week, and it is anticipated that from now on the gas mask program will be speeded up appreciably. The three assembly plants in industry are expected to reach a production of 12,000 per day per plant by the end of July.

WEEKLY DELIVERIES - SELECTED ITEMS

Item	Deliveries		Item	Deliveries	
	Jun 27 to Jul 3	Jul 4 to Jul 10		Jun 27 to Jul 3	Jul 4 to Jul 10
Agent, Non-Corr. (gal)	19,043	21,764	Cart, Ammunition, 4.2"	93	0
Apparatus, Decont. Power	58	48	Container, Steel (1 ton)	563	636
Bleaching Material "A"	61	0	Curtain, Gasproof	16,767	11,726
Bleaching Material "B"	138	140	Drum (55 gal)	0	5,730
Bomb, Incendiary (Mag)	106,629	102,765	Generator, Smoke Veh.	55	0
Bomb, Incendiary (Sub)	564,509	441,990	Gloves, Comm. Rubber	0	13,984
Chemical Agents (tons)			Impregnite I (ton)	68	53
Lewisite (MI)	9	8	Impregnite Shoe (ton)	305	185
Mustard (HS)	1,021	1,067	Mortar, Chemical, 4.2"	11	'20
Screening Smoke (FS)	80	118	Ointment, Protective (ton)	14	19
Tear Gas (CNS)	94	27	Paint, Vesicant, M5	0	46,800
White Phosphorus (WP)	207	259	Respirator, Dust	36,270	51,700
Mask, Gas, Service	33,380	66,774	Set, Gas, Detonation	200	379
Tank, Airplane, M10	10	594	Shell, Chemical Mortar	5,947	6,490
Apparatus, Decont. (1½ qt)	2,960	3,280	Shell, Livens Projector	0	3,500
Bomb, Instructional, M2	8,064	8,400	Solvent, Impregnite (ton)	598	691
Brush, Decontaminating	0	200	Wrench, Valve-Removing	119	0

Chemical Warfare Service

TABULAR SUMMARY - STATUS OF SELECTED C. W. S. ITEMS ON ARMY SUPPLY PROGRAM*
JULY 10, 1942

Source of Information: Chemical Warfare Service

Item	Author- ized**	Under con- tract**	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jul 10	Apr	May	Jun	Jul 1-10	Jul	Aug	Sep
CRITICAL											
Agent, Non-Corr. (gal)	2,716,510	2,604,023	1,370,193	343,183	121,718	51,653	100,657	40,807	100,000	115,000	125,000
Apparatus, Decont. Power	4,174	4,174	1,389	747	145	198	231	106	160	160	160
Bleaching Material, "A"	1,456	991	493	246	26	99	31	61	50	50	50
Bleaching Material, "B"	23,317	9,368	7,014	2,403	172	448	737	278	800	800	800
Bomb, Incendiary (Mag)(a)	89,775	35,000	25,471	1,436	233	549	330	209	Depends on Mg delivery		
Bomb, Incendiary (Sub)(a)	13,500	13,500	13,500	11,120	1,784	2,347	3,045	1,006	1,500	1,848	0
Canister, Srv. & Dia.	6,689,418	1,718,099	1,617,604	923,353	173,614	58,805	0	0	0	0	240,000
Chemical Agents (tons)											
Lewisite (ML)	58,912	4,912	54,000	123	26	24	28	17	26	26	0
Mustard (HS)	164,498	164,498	130,721	10,589	960	2,457	1,159	2,089	3,000	3,000	3,600
Phosgene (OG)	4,512	3,334	1,081	640	94	0	0	0	0	300	300
Screening Smoke (FS)	18,861	18,861	18,479	1,123	83	0	185	198	200	200	200
Screening Smoke (HC)	3,837	3,837	474	0	0	0	0	0	350	350	350
White Phosphorus (WP)	29,388	16,139	3,830	5,238	421	2,385	1,235	467	Procured as needed		
Mask, Gas, Diaphragm	615,247	634,646	843,200	194,643	30,073	30,763	0	0	30,000	60,000	200,000
Mask, Gas, Service	3,965,480	3,861,172	2,046,132	1,116,945	193,327	146,171	201,621	100,154	300,000	300,000	600,000
Tank, Airplane, M10	47,256	47,256	47,256	5,003	1,312	578	859	604	6,160	5,250	6,425
Tank, Airplane, M20	11,290	6,115	1,691	156	112	44	0	0	0	1,000	1,000
Tank, Airplane, M21	11,290	6,115	1,665	156	0	134	22	0	0	0	2,500
ESSENTIAL											
Agent, Simulated (M1,M2)	3,177	3,177	597	1,800	0	700	1,100	0	225	300	500
Alarm, Gas	65,063	48,309	34,138	0	0	0	0	0	0	8,309	10,000
Apparatus, Decont.(1½ qt)	1,327,087	1,015,545	535,328	184,443	33,347	38,400	56,100	0	70,000	100,000	100,000
Apparatus, Decont.(3 gal)	153,994	48,735	42,251	6,240	0	0	0	6,240	12,000	12,000	12,000
Bomb, Instructional, M2	96,800	76,300	71,800	21,192	0	0	4,728	16,464	25,000	46,572	0
Brush, Decontaminating	1,311	1,311	1,889	1,311	0	1,111	0	200	0	200	0
Candle, DM	177,758	33,402	44,019	0	0	0	0	0	5,402	7,000	7,000
Cart, Ammunition, 4.2"	1,833	1,613	334	193	0	0	100	93	100	100	200
Container, Steel (1 ton)	283,770	105,167	244,184	11,477	3,167	1,750	2,054	1,199	2,000	4,000	4,000
Curtain, Gasproof	1,661,210	442,353	653,702	342,869	30,248	73,625	40,752	28,493	40,000	40,000	40,000
Cylinder, Portable	53,352	27,262	17,018	0	0	0	0	0	0	5,000	6,510
Flame Thrower, Emplaced	1,630	0	1,185	0	0	0	0	0	0	0	0
Flame Thrower, Mounted	8,730	0	2,537	0	0	0	0	0	Not standardized		
Generator, Smoke, Veh.	99,774	26,833	51,673	80	0	25	0	55	5,000	8,000	13,808
Impregnite I (ton)	10,634	10,634	1,875	1,578	292	361	387	121	325	325	325
Impregnite Shoe (ton)	8,400	8,900	4,316	8,127	1,737	1,633	1,157	490	1,157	99	0
Kit, Repair, Universal M8	15,820	15,820	6,482	0	0	0	0	0	2,500	5,000	5,000
Mask, Gas, Horse, M4	93,434	20,713	28,248	0	0	0	0	0	0	20,713	0
Mask, Gas, Horse, M5	55,091	18,432	29,056	0	0	0	0	0	18,432	0	0
Mine, Land, Chemical	1,411,507	1,451,507	398,970	543,347	0	0	0	0	0	68,160	100,000
Mortar, Chemical, 4.2"	2,226	1,906	395	59	0	1	27	31	100	100	200
Ointment, Prot. (ton)	3,751	1,074	1,261	244	48	66	63	34	124	124	124
Plant, Impregnating M1	74	15	19	0	0	0	0	0	6	8	1
Respirator, Dust (a)	17,952	5,435	6,591	142	3	15	35	70	100	250	500
Set, Accessories, L.P.	513	403	120	3	0	0	0	0	0	10	14
Set, Gas, Detonation	140,074	4,684	59,718	4,615	141	1,546	89	579	648	0	0
Set, Gas, Instructional	16,035	0	7,660	0	0	0	0	0	1,000	1,000	1,000
Shell, Chemical Mortar	3,307,516	2,059,837	647,481	57,488	8,277	13,606	19,749	12,437	20,000	30,000	50,000
Shell, Livens Projector	187,639	147,393	32,268	27,827	0	20,779	0	3,500	0	4,467	5,000
Sight, Chemical Mortar	2,483	2,117	411	350	0	0	350	0	350	375	375
Solvent, Impregnite (ton)	25,267	22,685	5,156	8,836	875	1,034	2,189	1,289	2,000	2,000	2,000

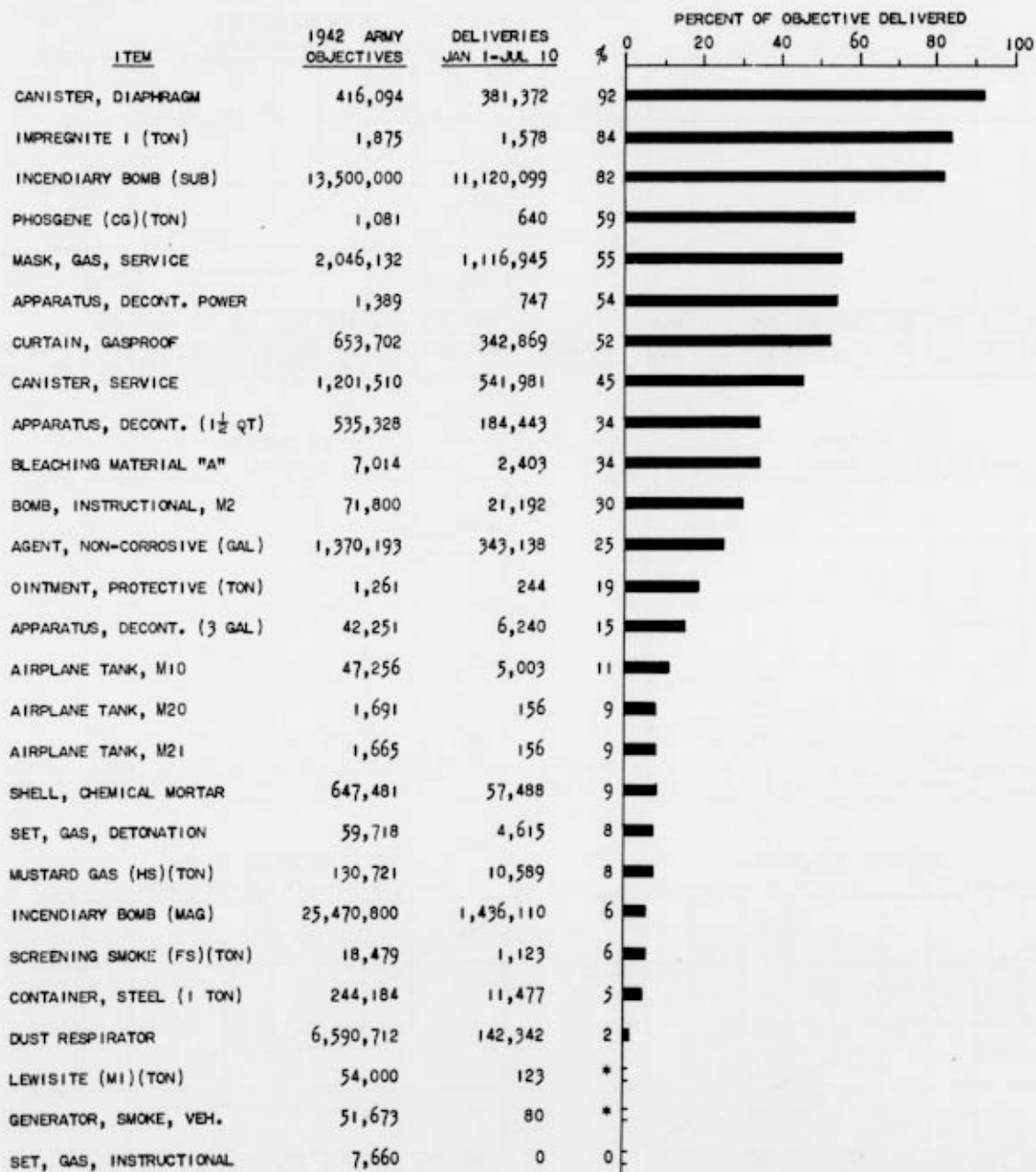
* International Aid and Navy figures not included.
 ** Deliveries prior to January 1, 1942 are excluded.

(a) Figures in thousands

Chemical Warfare Service

PROCUREMENT PROGRESS - C. W. S. - SELECTED ITEMS - JULY 10, 1942

Source of Information: Chemical Warfare Service

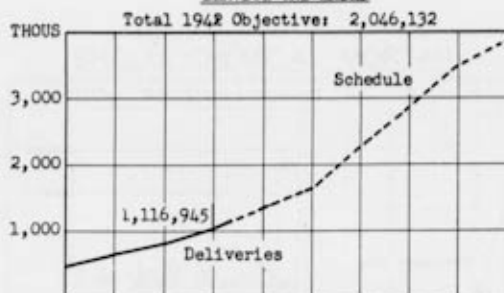


* LESS THAN ONE PERCENT DELIVERED

SELECTED ITEMS - C. W. S. - SCHEDULES AND DELIVERIES - JULY 10, 1942

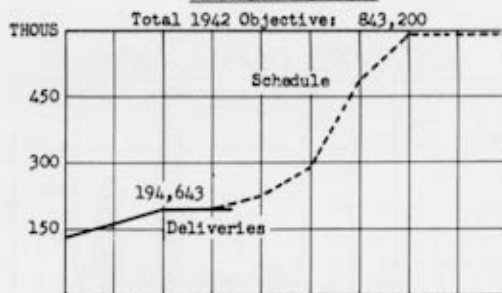
Source of Information: Chemical Warfare Service

SERVICE GAS MASKS



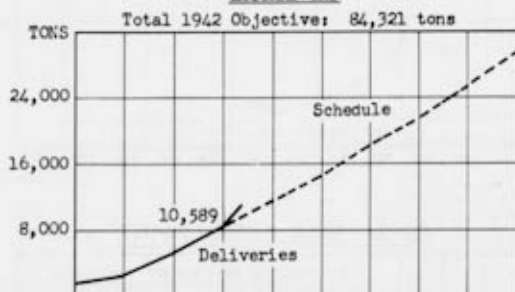
SCHEDULE	669	815	1017	1317	1617	2217	2842	3467	3861	
DELIVERIES	669	815	1017	1117	(Thru Jul 10th)					

DIAPHRAGM GAS MASKS



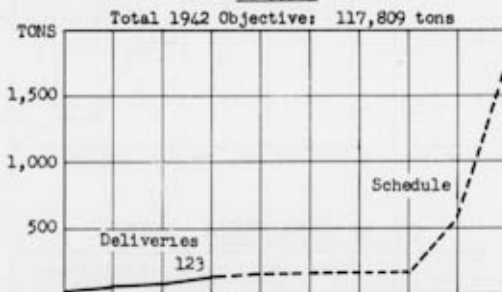
SCHEDULE	164	195	195	225	285	485	595	595	595	
DELIVERIES	164	195	195	195	(Thru Jul 10th)					

MUSTARD GAS



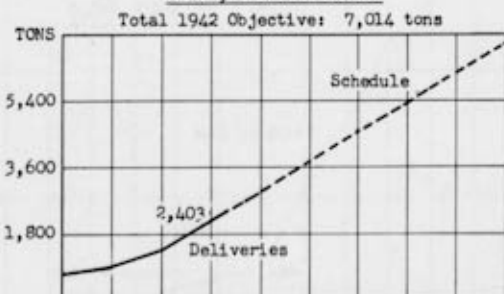
SCHEDULE	2885	5342	8501	11506	14506	18106	21706	25306	29506	
DELIVERIES	2885	5342	8501	10589	(Thru Jul 10th)					

LEWISITE



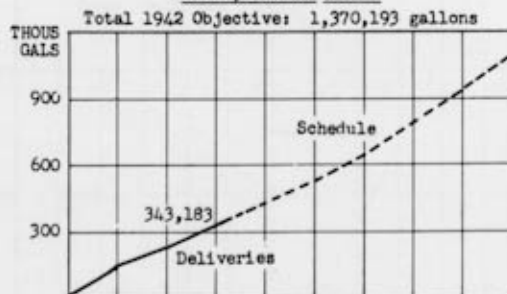
SCHEDULE	54	78	106	132	158	158	158	583	1708	
DELIVERIES	54	78	106	123	(Thru Jul 10th)					

AGENT, DECONTAMINATING



SCHEDULE	941	1388	2125	2925	3725	4525	5325	6125	6925	
DELIVERIES	941	1388	2125	2403	(Thru Jul 10th)					

AGENT, NON-CORROSIVE

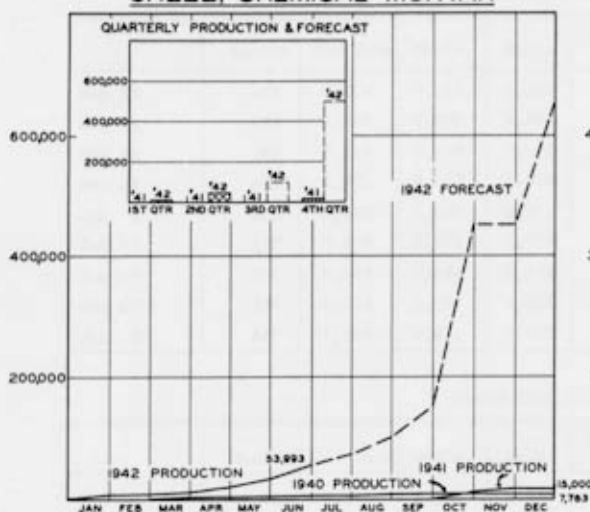


SCHEDULE	150	202	302	402	517	642	792	942	1092	
DELIVERIES	150	202	302	343	(Thru Jul 10th)					

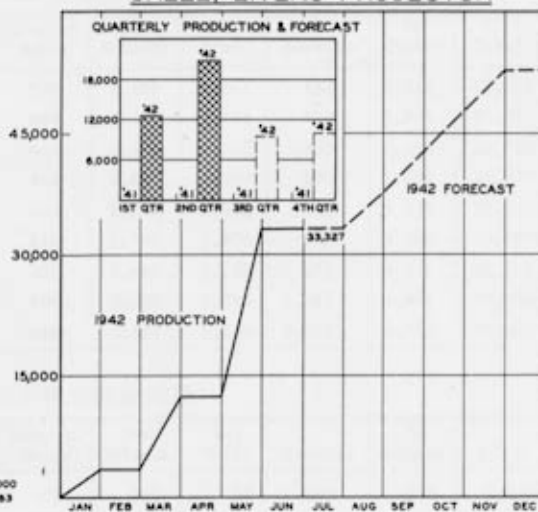
PRODUCTION AND FORECAST OF SELECTED ITEMS - C. W. S. - JULY 10, 1942

Source of Information: Chemical Warfare Service

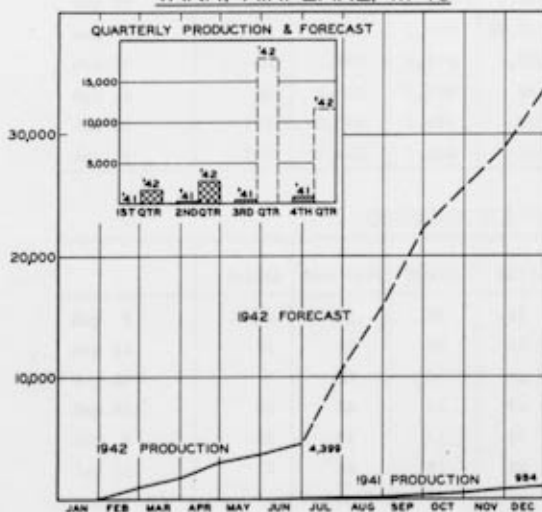
SHELL, CHEMICAL MORTAR



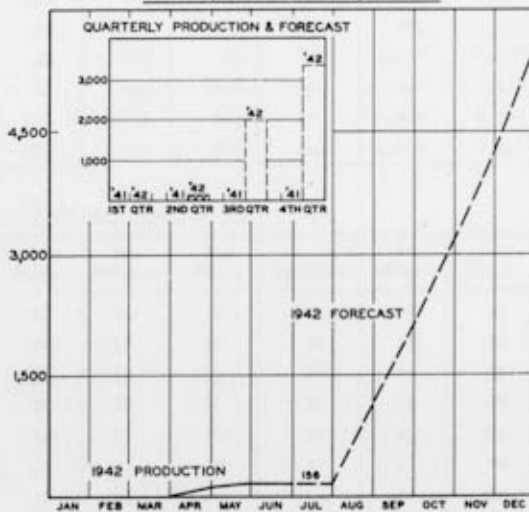
SHELL, LIVENS PROJECTOR



TANK, AIRPLANE, M-10



TANK, AIRPLANE, M-20



PORT SITUATION - DELAYS IN CAR UNLOADING - JULY 3, 1942

Source of Information: Association of American Railroads - PT Report No. 8

CARLOAD FREIGHT FOR EXPORT AND COASTAL VESSEL MOVEMENT (EXCLUDING COAL)

LOADED CARS ON HAND

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	132	8,008	3,542	2,760	298	2,205	1,361	464	2,545	21,315
May 15	153	7,982	3,489	2,634	285	2,448	1,293	669	2,984	21,937
May 22	782	7,256	3,385	2,178	345	2,406	1,515	402	2,489	20,758
May 29	520	6,771	3,060	1,935	410	2,690	1,606	500	2,391	19,883
Jun 5	403	7,390	2,887	1,971	345	2,735	1,888	349	3,147	21,115
Jun 12	447	6,828	2,761	1,778	246	2,752	1,806	482	2,968	20,068
Jun 19	566	6,767	2,894	1,772	331	2,848	1,642	972	3,371	21,163
Jun 26	374	6,254	2,787	1,611	556	3,239	1,610	1,241	3,652	21,324
Jul 3	437	6,926	2,611	1,609	880	3,427	1,556	1,191	3,368	22,005

LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	66	2,968	2,558	1,238	64	308	82	160	192	7,636
May 15	52	2,647	2,294	1,670	102	323	131	197	413	7,829
May 22	51	2,368	2,359	1,116	189	389	163	233	566	7,434
May 29	169	2,556	1,933	1,014	133	605	195	185	462	7,254
Jun 5	50	2,497	1,474	1,013	67	749	183	128	1,279	7,440
Jun 12	38	2,662	1,674	1,003	42	803	180	128	1,207	7,737
Jun 19	22	2,453	1,696	941	59	949	306	107	984	7,517
Jun 26	178	2,344	1,831	928	105	1,698	302	429	982	8,797
Jul 3	207	2,652	1,234	734	229	1,855	301	439	1,012	8,663

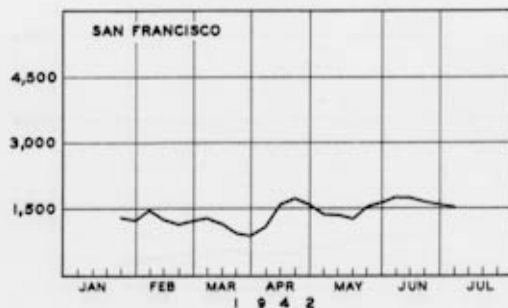
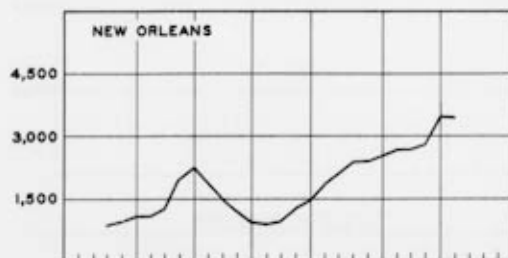
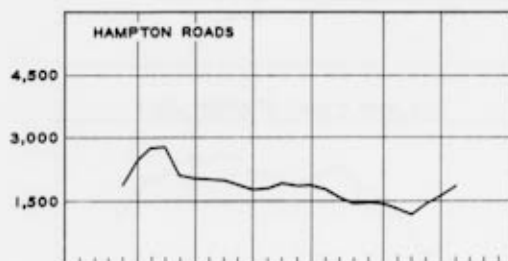
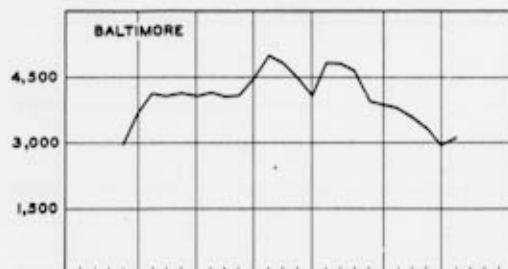
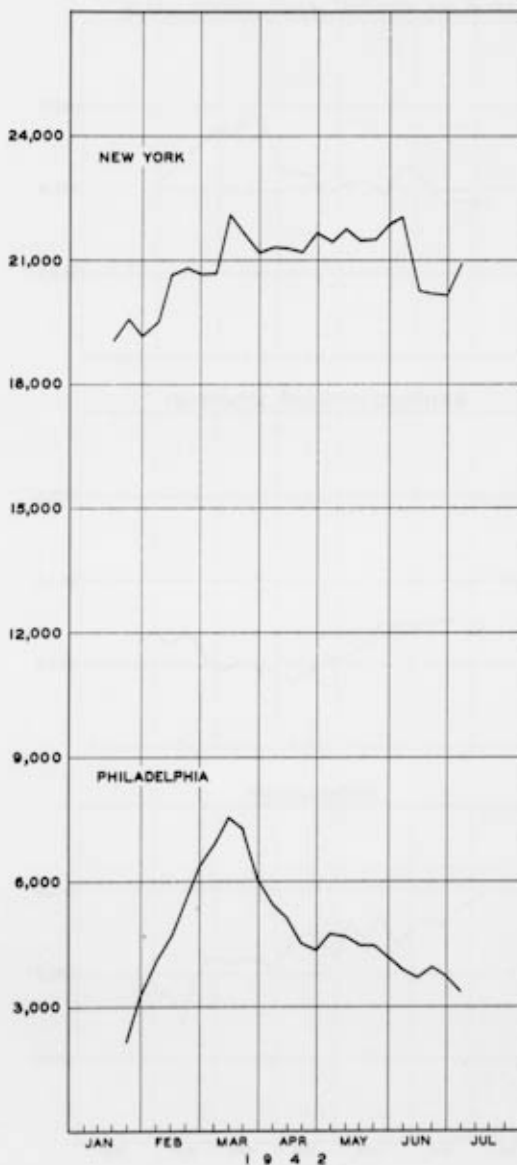
PERCENTAGE OF LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	50	37	72	45	21	14	6	34	8	36
May 15	34	33	66	63	36	13	10	29	14	36
May 22	7	33	70	51	55	16	11	58	23	36
May 29	33	38	63	52	32	22	12	37	19	36
Jun 5	12	34	51	51	19	27	10	37	41	35
Jun 12	9	39	61	56	17	29	10	27	41	39
Jun 19	4	36	59	53	18	33	19	11	29	36
Jun 26	48	37	66	58	19	52	19	35	27	41
Jul 3	47	38	47	46	26	54	19	37	30	39

PORT SITUATION - RAIL FREIGHT AT SELECTED PORTS - JULY 3, 1942

Source of Information: Association of American Railroads - PT Report No. 7

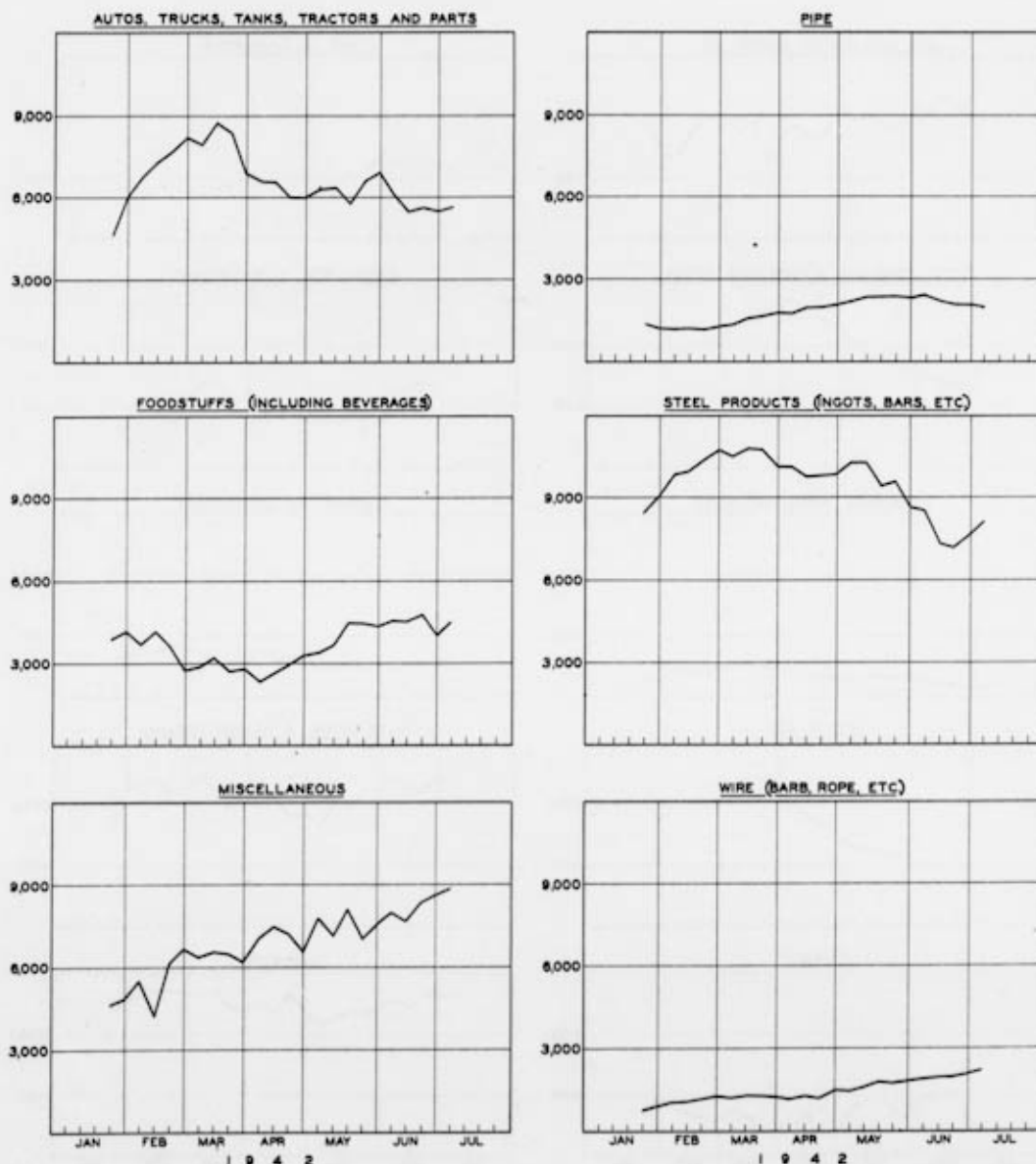
CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS
AND IN STORAGE AT RAILROAD OWNED AND OPERATED FACILITIES



PORT SITUATION - RAIL FREIGHT AT PRINCIPAL PORTS BY COMMODITY - JULY 3, 1942

Source of Information: Association of American Railroads - PT Report No. 7

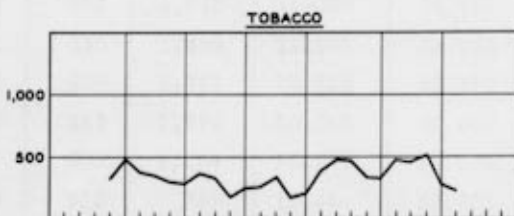
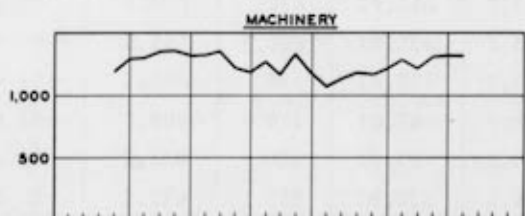
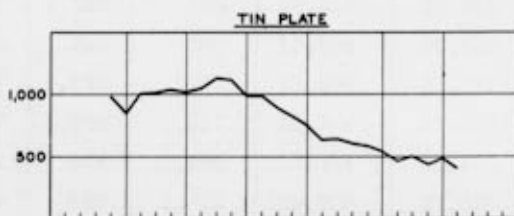
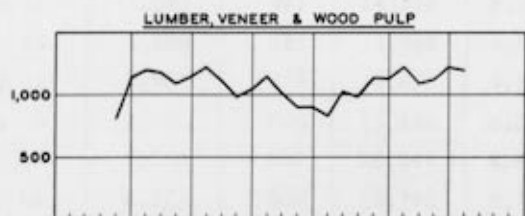
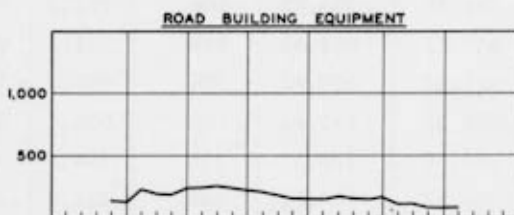
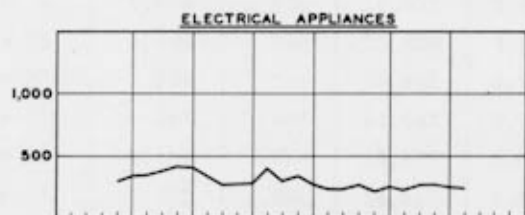
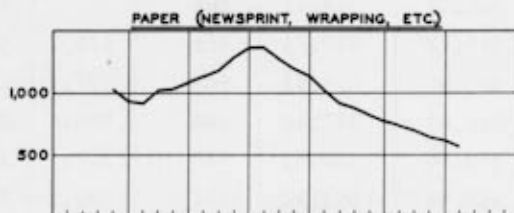
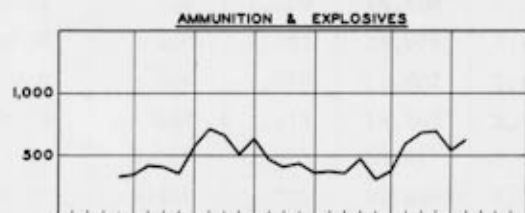
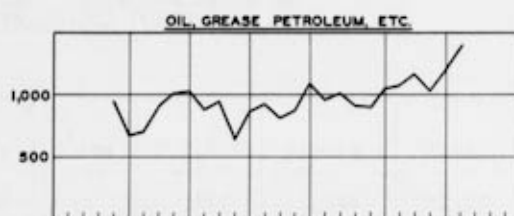
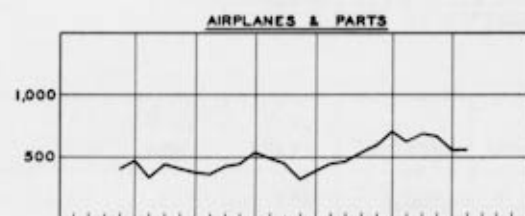
CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS AND IN STORAGE
AT RAILROAD OWNED AND OPERATED FACILITIES AT FIFTEEN PRINCIPAL PORTS



PORT SITUATION - RAIL FREIGHT AT PRINCIPAL PORTS BY COMMODITY - JULY 3, 1942

Source of Information: Association of American Railroads - PT Report No. 7

CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS AND IN STORAGE
AT RAILROAD OWNED AND OPERATED FACILITIES AT FIFTEEN PRINCIPAL PORTS



1 9 4 2

1 9 4 2

PORT SITUATION - CONSIGNEES OF RAIL FREIGHT AT PRINCIPAL PORTS - JULY 3, 1942

Source of Information: Association of American Railroads - PT Report No. 7

CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON
RAILS AND IN STORAGE AT RAILROAD OWNED AND OPERATED
FACILITIES AT FIFTEEN PRINCIPAL PORTS

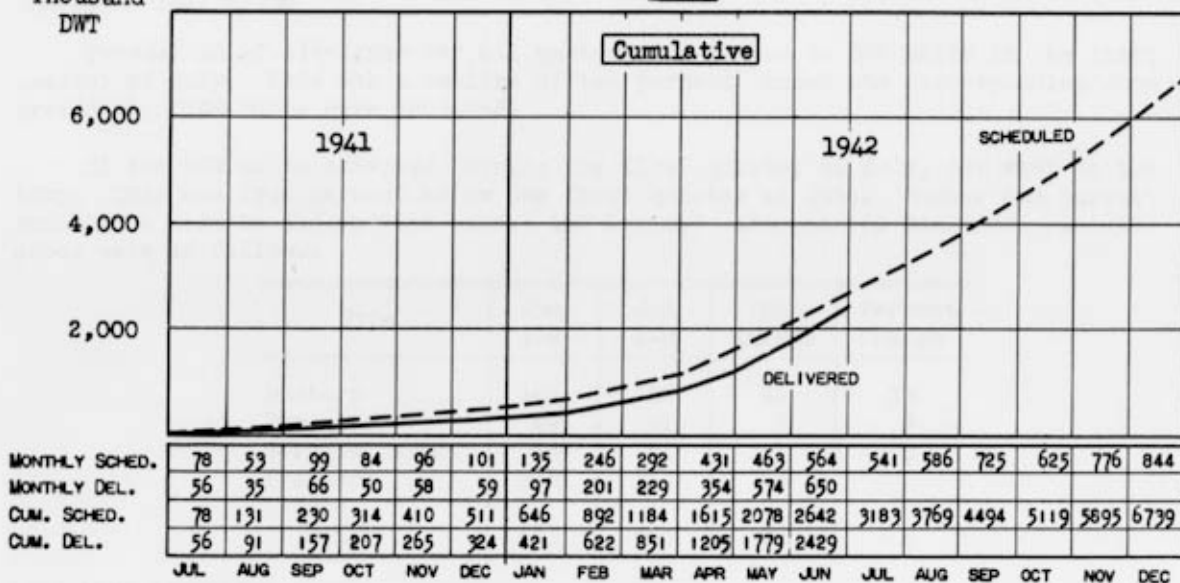
	U.S. Army	U.S. Navy	British	Amtorg	China	F.S.C.C.	Others	Total
Jan 16	538	173	8,087	1,809		447	11,146	22,200
Jan 23	756	1,029	14,408	1,892		393	12,457	30,935
Jan 30	650	1,067	14,978	2,490	1,435	485	11,665	32,770
Feb 6	904	1,078	15,802	2,549	1,737	359	12,312	34,741
Feb 13	837	1,149	16,543	2,820	1,828	391	12,778	36,346
Feb 20	1,017	973	16,617	3,651	1,301	352	13,361	37,272
Feb 27	1,490	791	15,980	4,398	1,246	253	14,126	38,284
Mar 6	1,659	754	15,801	4,527	1,196	404	13,800	38,141
Mar 13	1,240	853	18,238	4,569	1,237	459	14,158	40,754
Mar 20	934	838	15,451	4,717	1,289	381	14,524	38,134
Mar 27	983	846	14,532	3,765	1,200	358	14,546	36,230
Apr 3	1,116	918	14,877	3,615	1,232	320	14,361	36,439
Apr 10	1,401	1,051	14,517	3,891	1,258	520	13,797	36,435
Apr 17	1,543	971	14,215	3,907	1,250	520	13,210	35,616
Apr 24	1,756	821	14,246	4,053	1,262	600	12,894	35,632
May 1	1,967	929	14,376	4,827	1,280	742	13,400	37,521
May 8	1,888	896	15,434	4,637	1,086	1,022	12,646	37,609
May 15	2,156	807	16,244	4,271	929	1,456	12,402	38,265
May 22	3,123	980	15,792	3,724	889	1,716	11,602	37,826
May 29	3,605	975	16,144	3,567	886	1,843	11,061	38,081
Jun 5	2,283	1,093	17,204	3,615	886	1,459	11,692	38,232
Jun 12	2,584	884	15,775	3,845	936	1,259	10,713	35,996
Jun 19	2,399	911	15,786	4,777	883	1,259	10,645	36,660
Jun 26	2,316	921	15,584	5,070	905	1,104	10,738	36,638
Jul 3	2,325	876	16,532	5,865	912	799	10,444	37,753

SHIP CONSTRUCTION IN THE UNITED STATES - JUNE 30, 1942

Source of Information: Maritime Commission

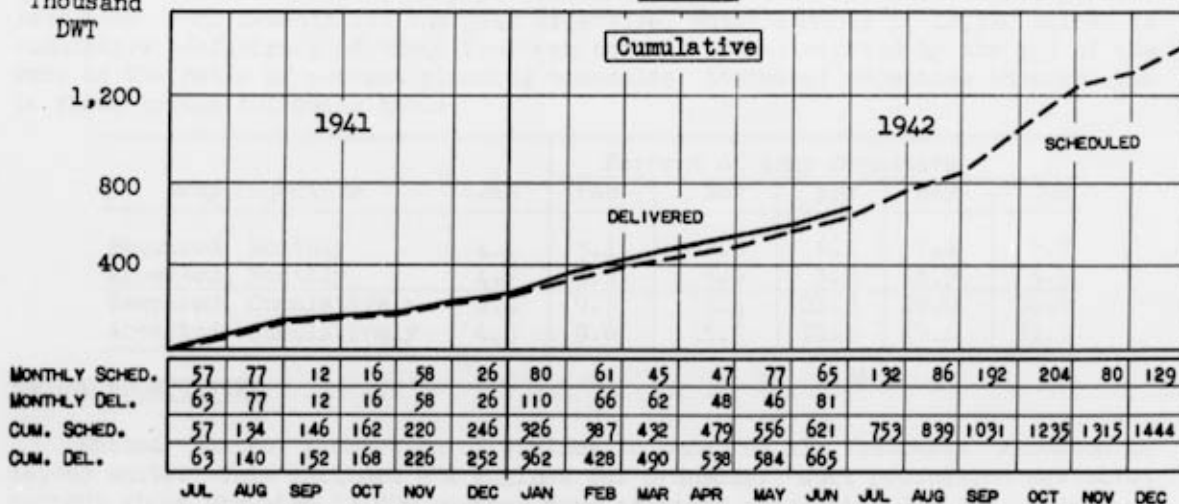
Thousand
DWT

CARGO



Thousand
DWT

TANKERS



TOTAL

CUM. SCHED.	135	265	376	476	630	757	972	1279	1616	2094	2634	3263	3936	4608	5525	6354	7210	8183
CUM. DEL.	119	231	309	375	491	576	783	1050	1341	1743	2363	3094						
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

TEXT SUMMARY - AIRCRAFT PROCUREMENT

Source of Information: Aircraft Branch, WPB
Statistical Control, AAF

AIRPLANE ACCEPTANCES

Production of airplanes for all customers amounted to 679 units in the first quarter of July. This was a decline of ten percent under the corresponding June period when 758 units were produced.

Of the 679 units accepted during the first quarter of July, 559 went to the Army. This was four percent below the first quarter of June. Bomber and pursuit production were up and service combat and trainer acceptances declined. Acceptances were as follows:

Type	Jun 1-8	Jul 1-8	Unit Change	Percent Change
Bombers	104	128	24	23
Pursuits	89	92	3	3
Service Combat	95	64	31	33
Trainers	295	275	20	7
Total	583	559	24	4

1942 ARMY OBJECTIVE

As of the end of June, Army procurement of airplanes was about three percent less than requirements for the 1942 objective, which amounts to 48,220 units. A cumulative deficiency of about fourteen percent is anticipated by the end of the year on the basis of current planning schedules. Status of objective through June is shown by the following table:

Army Objective	Jan	Percent of Army Objective				
		Feb	Mar	Apr	May	Jun
Required, Monthly	4.4	5.1	5.9	6.4	7.2	7.7
Accepted, Monthly	4.5	5.1	5.9	5.6	6.3	5.9
Required, Cumulatively	4.4	9.5	15.4	21.8	29.0	36.7
Accepted, Cumulatively	4.5	9.6	15.5	21.1	27.4	33.3

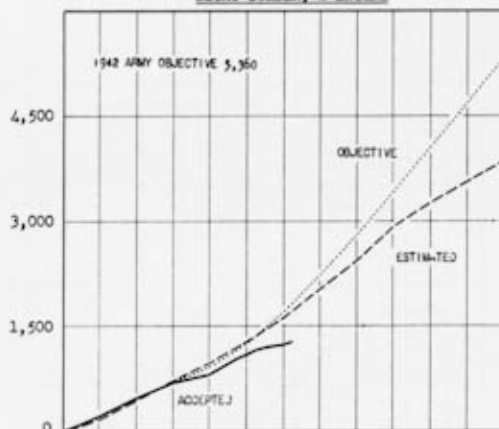
ENGINE ACCEPTANCES

United States production of engines in June for all customers amounted to 14,085 units. This included 978 engines for Ordnance. June production was seven percent above May when 13,806 engines were accepted, including 995 for Ordnance.

ARMY AIRPLANE PROCUREMENT - JULY 8, 1942

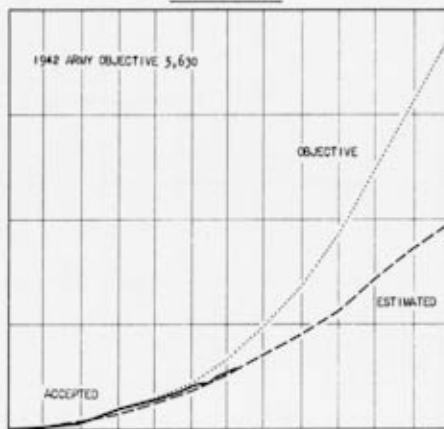
Source of Information: Objectives and estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

LIGHT BOMBER, 2-ENGINE



1942 CUMULATIVE	179	434	735	950	1259	1618	2025	2449	2914	3275	3570	3865
ESTIMATE	227	491	707	816	1088	1248	1283	(THRU 7/8)				
MONTHLY	179	255	301	225	309	345	407	424	465	361	295	295
ESTIMATE	227	264	216	109	272	150	35	(THRU 7/8)				
ACCEPTANCES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

MEDIUM BOMBER



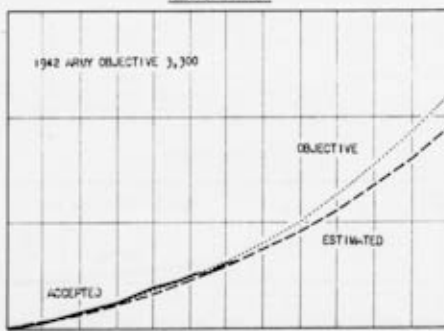
1942 CUMULATIVE	40	107	216	365	550	791	1058	1355	1689	2137	2585	2927
ESTIMATE	19	91	291	428	587	798	858	(THRU 7/8)				
MONTHLY	40	67	109	149	185	241	267	297	334	448	448	342
ESTIMATE	19	72	200	137	159	211	60	(THRU 7/8)				
ACCEPTANCES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

LIGHT BOMBER, 1-ENGINE



1942 CUMULATIVE	0	0	0	0	0	0	75	211	288	392	603	838
ESTIMATE	0	0	0	0	0	0	1	(THRU 7/8)				
MONTHLY	0	0	0	0	0	0	75	136	77	104	211	235
ESTIMATE	0	0	0	0	0	0	1	(THRU 7/8)				
ACCEPTANCES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

HEAVY BOMBER

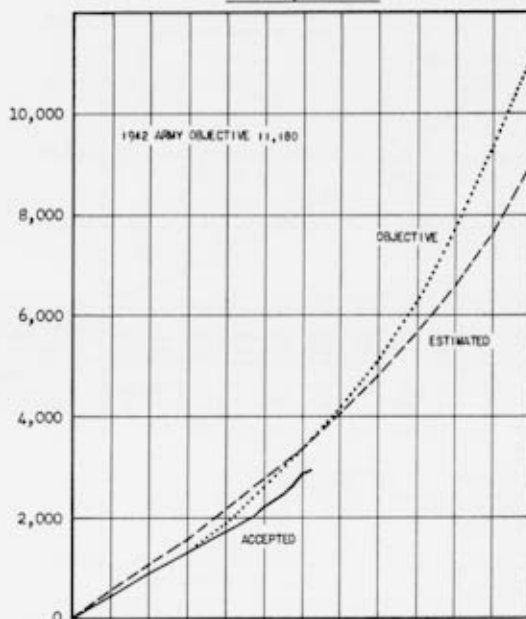


1942 CUMULATIVE	84	194	330	495	678	882	1110	1369	1665	2009	2398	2839
ESTIMATE	82	216	372	543	721	917	949	(THRU 7/8)				
MONTHLY	84	110	136	165	183	204	228	259	296	344	389	441
ESTIMATE	82	134	156	171	178	196	32	(THRU 7/8)				
ACCEPTANCES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

ARMY AIRPLANE PROCUREMENT - JULY 8, 1942

Source of Information: Objectives and estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

FIGHTER, 1-ENGINE



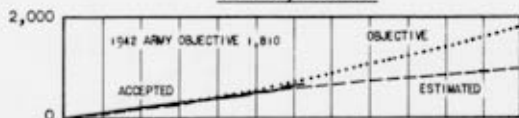
1942 CUMULATIVE ESTIMATE	531	1064	1562	2129	2729	3340	4060	4814	5683	6615	7683	8884
ACCEPTANCES	454	864	1327	1762	2244	2844	3524	4284	5083	5932	6883	7984
MONTHLY ESTIMATE	531	533	498	567	600	617	714	754	869	932	1068	1201
ACCEPTANCES	454	400	465	435	482	600	80	12	THRU 7/8			
	JUN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

COMMUNICATIONS (a)



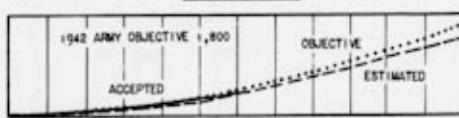
0	0	0	454	869	1036	1044	1067	1110	1175	1260	1364
122	412	746	1125	1420	1727	1760	THRU 7/8				
0	0	0	454	415	167	8	23	43	65	85	104
122	290	334	379	295	307	33	THRU 7/8				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

FIGHTER, 2-ENGINE



1942 CUMULATIVE ESTIMATE	101	216	316	434	535	606	676	746	797	849	916	996
ACCEPTANCES	106	233	333	434	534	632	664	(THRU 7/8)				
MONTHLY ESTIMATE	101	115	100	138	81	71	70	70	51	52	67	80
ACCEPTANCES	106	127	100	101	100	118	12	(THRU 7/8)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

TRANSPORT (a)

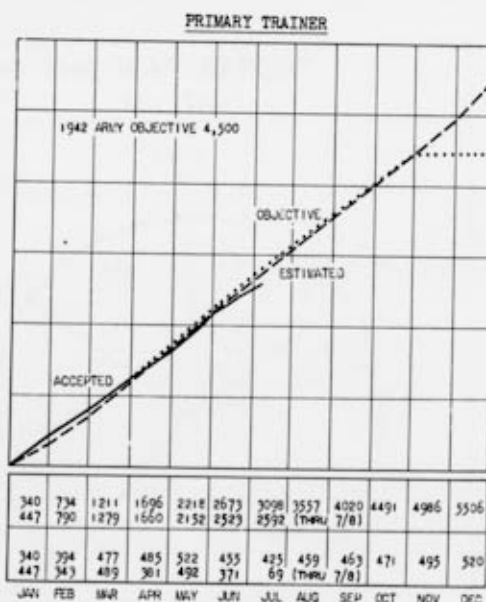
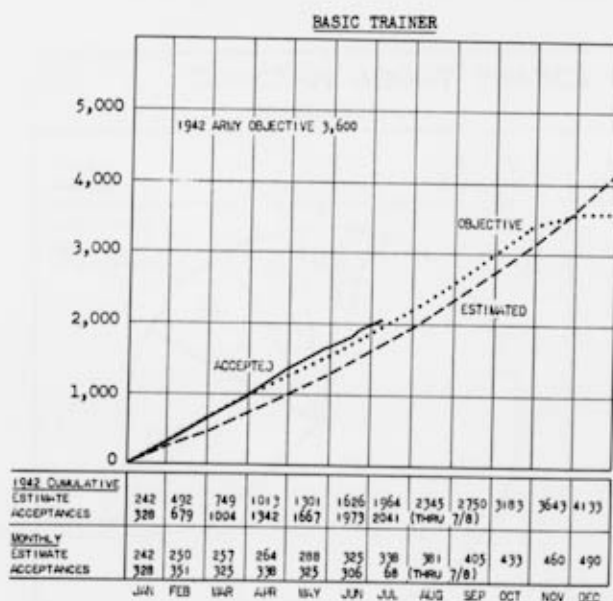
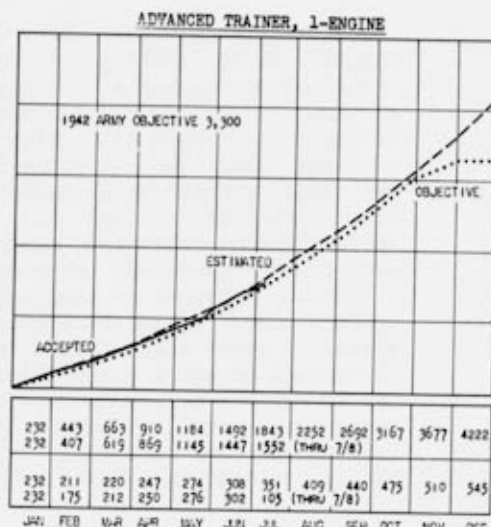
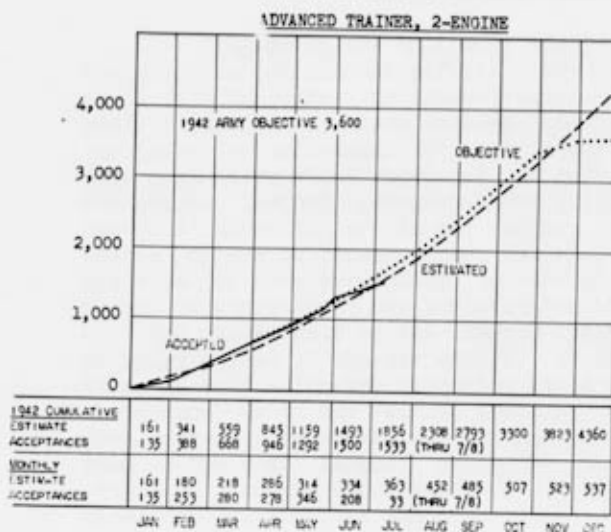


29	53	105	187	285	419	589	761	935	1125	1304	1532
29	75	144	237	346	429	460	THRU 7/8				
29	24	52	82	98	134	170	172	174	190	179	228
29	46	69	113	89	83	31	THRU 7/8				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

(a) Acceptances revised by reclassification of C-61 from Transport to Communications class.

ARMY AIRPLANE PROCUREMENT - JULY 8, 1942

Source of Information: Objectives and estimates: 8-Series, WPB
Acceptances: Statistical Control, AAF



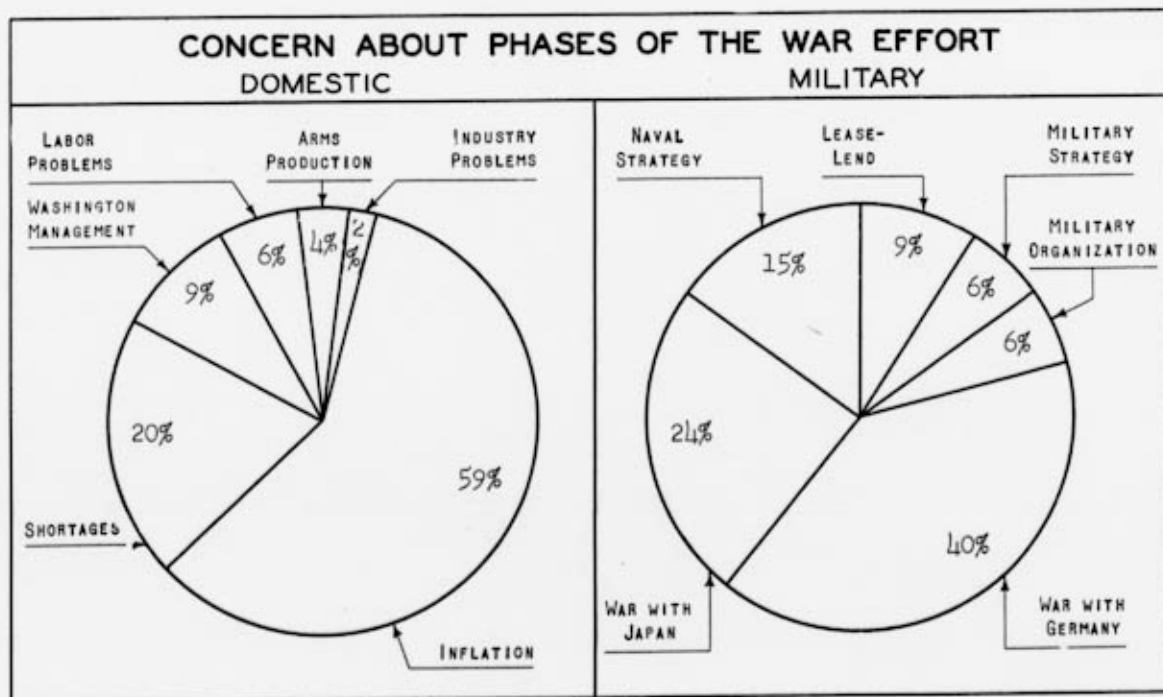
NOTE: TRAINER ESTIMATES FOR ALL CUSTOMERS IN 1942 ARE 30 PERCENT IN EXCESS OF THE PRESIDENTIAL OBJECTIVE OF 15,000 UNITS. THE OBJECTIVES ABOVE REPRESENT THE ESTIMATE FOR EACH TYPE REDUCED IN PROPORTION TO ITS WEIGHT IN THE TOTAL ESTIMATE. THE ENTIRE U. S. TRAINER OBJECTIVE HAS BEEN ASSIGNED TO THE ARMY AS DIRECT PROCUREMENT OF THIS TYPE BY OTHER AGENCIES IS NEGLIGIBLE.

EDITORIAL COMMENT ON OUR MILITARY EFFORT - Tallied from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday.

Source of Information: Statistics and Progress Branch, Control Division - Headquarters, SOS, July 15, 1942

The diagram at the bottom of the page shows editorial concern about the progress of the war effort. The left hand section of the diagram deals with domestic, or non-military, problems arising from the emergency. Foremost of these problems today, in the view of the editors, is the threat of inflation. It overshadows everything else, including the very real alarm about shortages of rubber and other materials, which is the second largest category. The third category is concern about the over-all direction of the war effort by agencies in Washington. The fourth represents concern about labor problems, the fifth, concern about the rate of arms production and the sixth shows the almost negligible amount of worry about the contribution being made by American industry.

The other half of the diagram represents editorial concern about military phases of the war effort. At the present time there is nearly twice as much editorial attention being given to the European theatre of operations as to the Pacific theatre. Concern about the quality of our naval strategy is great, due to the Atlantic sinkings. Lease-Lend problems is the next largest editorial worry. The last two categories, which are concern about military strategy and the organization of our armed forces, are both small.



Weekly Statistical
SUMMARY

Number 148

JULY 23, 1942

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Date- 3-11-59

Signature- Carl L. Spicer

STATISTICS AND PROGRESS BRANCH,
CONTROL DIVISION, HEADQUARTERS,
SERVICES OF SUPPLY, WAR DEPT.

COPY NUMBER 1

SECRET

WEEKLY STATISTICAL SUMMARY
REPORT NO. 148
JULY 23, 1942

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TEXT SUMMARY - ORDNANCE DEPARTMENT - JULY 23, 1942

Source of Information: Ordnance Department

1942 TIME OBJECTIVES

The rate of production increase needed to achieve the 1942 time objectives for selected Ordnance items is shown in the diagrams on pages 3, 4 and 5. This required rate of increase, based on June production, has decreased from that shown in the May study for the caliber .50 machine gun, the 37mm and 40mm anti-aircraft guns and the antitank guns; the required rates have increased slightly for the 90mm antiaircraft gun and for tanks.

In the case of the caliber .30 ground tank and pack machine gun the objective will be reached if the June rate of production is maintained during the remainder of the year.

ARMOR PLATE AND ARMOR CASTINGS

The shortage of armor plate and armor castings is seriously threatening the tank program. These materials are also used for armoring other combat vehicles and guns.

The armor plate and armor casting programs depend to a great degree on delivery of equipment. Large presses and flame cutting machinery are expected to be the most difficult items to obtain by the armor plate manufacturers. Electrical Furnace equipment will probably handicap the meeting of armor casting requirements.

Pending delivery of equipment the production of armor plate is expected to be adequate by September, 1942. The estimated output of armor castings will probably not meet requirements before April or May in 1943. Because of difficulties in obtaining satisfactory welds, armor castings in many cases are considered more practical than armor plate for the construction of tanks and combat vehicles.

NEW DEVELOPMENTS

There are now 478 commercial companies working in cooperation with the Ordnance Department on 750 development projects for new Ordnance materiel. These projects include items from small arms cartridges to 60-ton tanks.

The 155mm gun motor carriage T6 has been released for production; in the near future it will be recommended for standardization as the M11. The carriage consists essentially of a medium tank chassis. The gross weight of the vehicle is 55,000 pounds; its maximum speed is 28 miles per hour. The gun can be placed in firing position within a few minutes.

A self-propelled antiaircraft weapon consisting of a 40mm gun and two caliber .50 machine guns on a barrel shaped turret, is being designed and has reached the wooden mock-up stage. An outstanding feature is overhead armor plate $1\frac{1}{2}$ " thick. No standard antiaircraft weapon now in use by the American Army has overhead armor protection.

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Ordnance

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STATISTICS AND PROGRESS BRANCH
CONTROL DIVISION - HEADQUARTERS,
SOS - 7-23-42

TABULAR SUMMARY - STATUS OF SELECTED ORDNANCE EQUIPMENT ITEMS ON ARMY SUPPLY PROGRAM - JULY 10, 1942

Source of Information: Ordnance Department

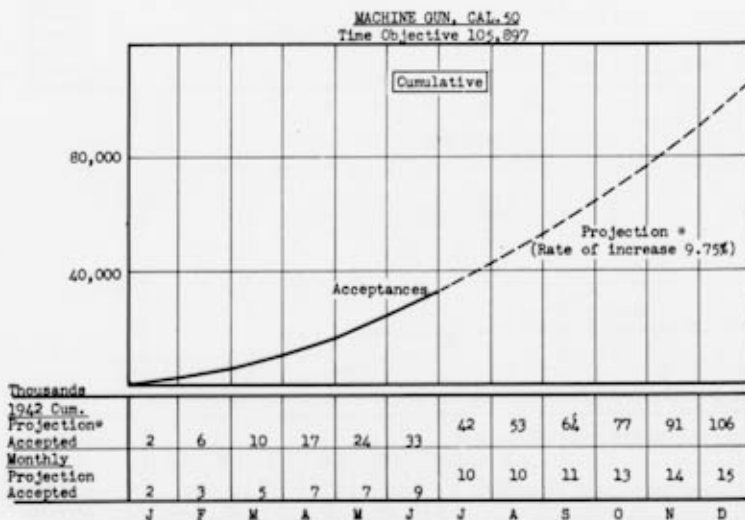
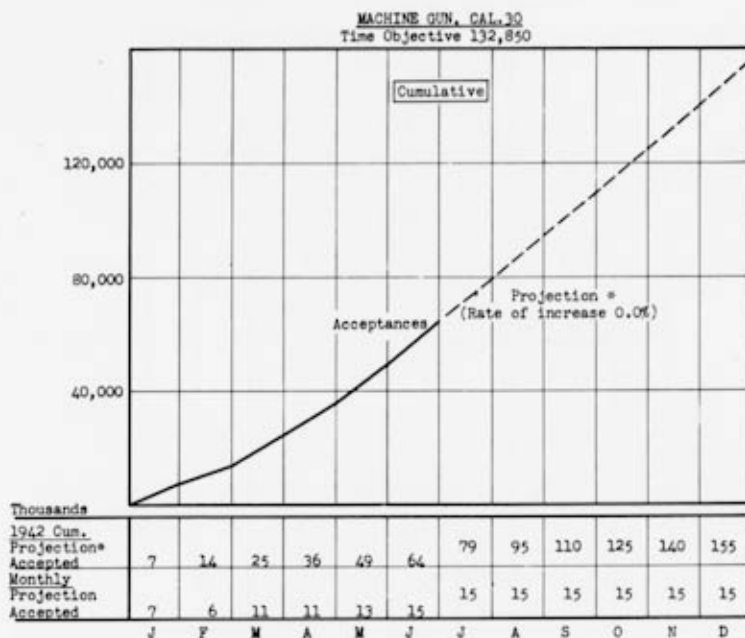
Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated		
				Jan 1 - Jul 10	Apr	May	Jun	Jul 1 - 10	Jul	Aug	Sep
COMBAT VEHICLES											
Scout car, M3A1	16,538	16,538	9,406	1,731	295	390	814	232	900	1,200	1,200
Personnel carrier, M2 & M4	9,735	9,735	4,636	2,266	220	287	43	5	300	654	1,000
Personnel carrier, M3	22,904	20,168	4,647	2,012	198	301	390	168	325	376	297
Armored cars (all)	22,170	16,860	8,937	0	0	0	0	0	0	10	205
Tank, light	24,572	24,572	10,588	3,328	550	651	771	197	665	1,114	1,365
Tank, medium	40,692	40,692	14,000	4,918	817	903	965	355	1,142	1,760	2,230
Tank, heavy	230	550	115	0	0	0	0	0	2	0	4
SMALL ARMS											
Rifle, cal.30, M1	1,255,949	1,205,949	983,376	321,341	53,260	58,481	58,980	20,830	60,000	60,500	62,000
Carbine, cal.30, M1	1,658,468	1,607,243	2,015,901	1,385	0	0	362	1,003	3,500	9,200	24,250
Rifle, cal.30, M1903	1,711,103	707,561	264,931	146,825	28,962	29,470	32,162	9,278	31,000	31,000	36,000
Rifle, cal.303	550,000	550,000	550,000	116,237	20,020	29,910	36,192	8,990	40,000	46,000	52,500
Rifle, auto. Brg. cal.30, M1918A2	41,875	39,256	43,520	8,539	1,170	2,735	1,730	1,025	1,450	1,506	1,619
Machine gun, cal.30, AC	236,666	189,345	114,957	49,195	9,221	9,737	10,050	3,950	10,100	11,100	9,700
Machine gun, cal.30 (Var.)	446,609	446,609	132,850	68,629	11,010	13,335	15,211	4,406	17,550	18,900	20,320
Submachine gun, cal.45	1,619,102	1,583,562	976,183	313,419	54,340	56,384	57,204	11,900	60,000	60,000	63,000
Machine gun, cal.50, AC	535,840	454,235	188,488	102,981	15,806	20,495	20,730	5,729	22,255	23,200	24,700
Machine gun, cal.50, AA	62,444	62,444	32,436	18,278	3,335	4,144	4,945	1,036	4,925	5,025	4,825
Machine gun, cal.50, HB	121,400	121,400	73,459	16,187	3,339	3,150	3,749	537	3,650	4,650	5,450
ARTILLERY											
Gun, 20mm, AC	181,706	141,622	41,710	28,224	4,738	6,295	6,282	1,766	6,000	5,000	6,000
Gun, 37mm, AC	14,516	14,516	4,983	2,274	400	425	453	119	570	660	715
Gun, 37mm, AA	2,673	6,873	3,500	598	83	150	203	41	250	260	300
Gun, 37mm, tank, M5 & M6	67,201	66,762	19,763	10,399	1,782	1,696	2,006	401	2,450	2,450	2,450
Gun, 37mm, AT, wheeled	20,070	16,775	14,461	4,761	752	1,002	962	169	1,400	1,500	1,700
Gun, 37mm, AT, self-propelled	5,441	5,441	2,539	818	0	157	422	239	1,000	300	300
Gun, 40mm, AA, M1	15,730	15,730	11,100	1,318	55	428	589	171	600	1,100	1,500
Gun, 57mm, AT, wheeled	8,860	8,860	1,059	590	75	178	295	40	360	457	630
Gun, 57mm, AT, self-propelled	2,286	0	1,813	0	0	0	0	0	Schedule not available		
Mortar, 60mm	17,442	17,442	3,729	2,755	323	202	854	50	600	500	1,000
Howitzer, 75mm, field & pack	2,062	2,530	1,213	304	48	54	48	20	24	24	201
Howitzer, 75mm, self-propelled	2,616	2,616	1,839	201	86	0	0	0	51	41	54
Gun, 75mm, tank	45,121	44,849	14,190	7,350	922	1,288	2,415	748	2,491	2,606	3,050
Gun, 75mm, AT, self-propelled	2,202	2,116	50	749	218	205	178	45	109	68	100
Gun, 3", tank	115	115	115	0	0	0	0	0	Schedule not available		
Gun, 3", AT, wheeled	100	100	0	0	0	0	0	0	Schedule not available		
Gun, 3", AT, self-propelled	7,419	4,505	5,378	0	0	0	0	0	0	5	65
Mortar, 81mm	8,741	8,741	3,720	2,297	281	320	652	160	514	536	600
Gun, 90mm, AA	7,248	8,124	2,750	839	137	171	178	81	214	261	377
Howitzer, 105mm, wheeled	3,882	5,683	3,035	2,323	467	356	126	205	455	231	99
Howitzer, 105mm, self-prop.	4,110	4,110	2,782	459	181	33	58	10	250	350	375
Howitzer, 155mm, new	1,270	1,270	450	0	0	0	0	0	0	0	58
Gun, 155mm, M1	765	465	458	214	31	35	37	3	40	45	50
FIRE CONTROL, AA											
Director, M5 & M6	37,108	36,995	18,767	1,826	254	442	672	238	805	955	1,185
Director, M7	3,517	3,517	986	169	27	31	32	8	38	45	68
Finder, height	2,101	2,101	942	106	17	24	25	7	26	35	35
Instrument, binaural training	17	17	11	7	0	0	0	0	Schedule not available		
Instrument, flank spotting	662	608	0	481	24	51	75	25	75	49	0
Instrument, observation, BC	2,807	2,672	1,231	144	6	15	51	41	105	176	190
Locator, sound	714	714	950	270	36	45	35	23	40	0	0
Rule, flank spotting	222	204	0	204	0	154	0	0	Completed		
Tester, stereoscopic	1,039	1,039	414	126	0	0	0	126	200	150	200
Trainer, stereoscopic	873	381	261	40	8	3	7	1	6	6	6

Figures include procurement for International Aid and other services.
* Quantity accepted prior to January 1, 1942, has been excluded.

Ordnance

MACHINE GUNS - TANK, GROUND, AND ANTIAIRCRAFT - 1942 TIME OBJECTIVES - JUNE 30, 1942

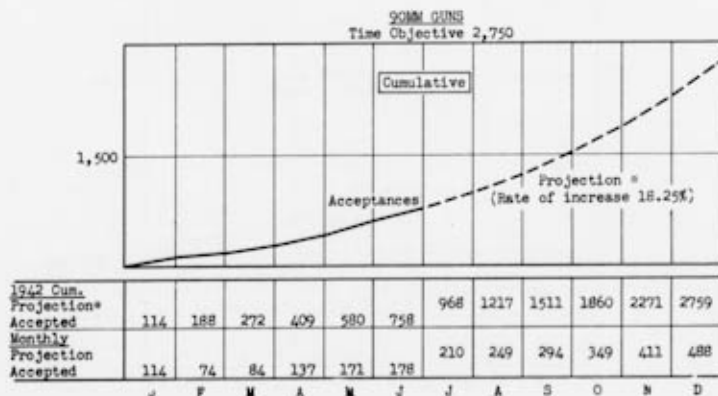
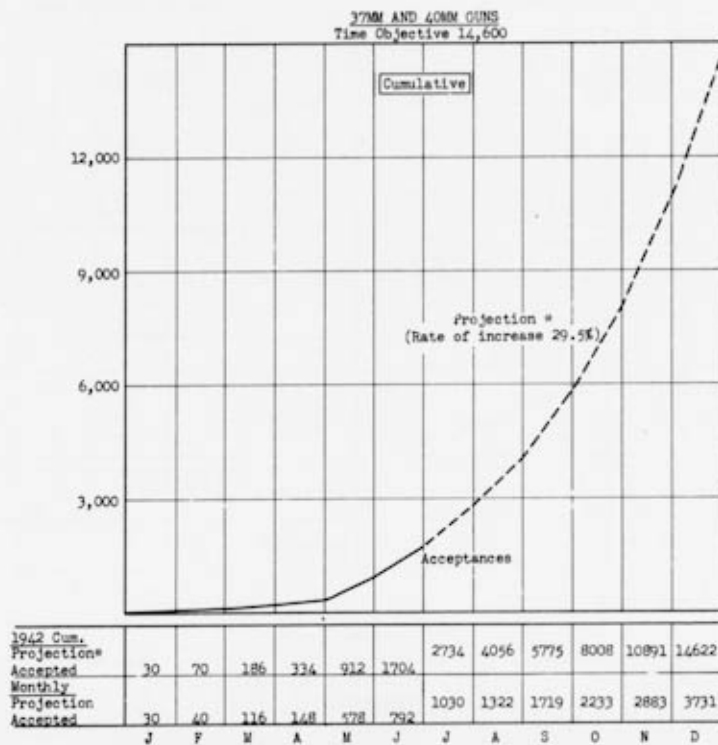
Source of Information: Ordnance Department



* This projected cumulative curve is based on the minimum monthly percentage rate of increase as compared with the June, 1942 production required to approximate the time objectives for the calendar year 1942.

ANTI-AIRCRAFT GUNS - 1942 TIME OBJECTIVES - JUNE 30, 1942

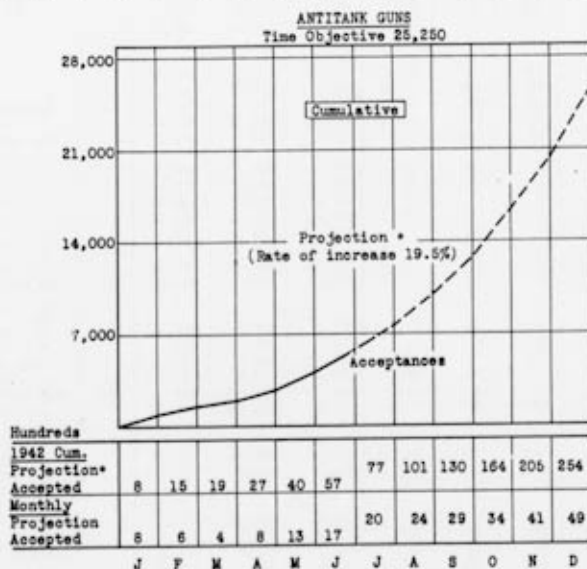
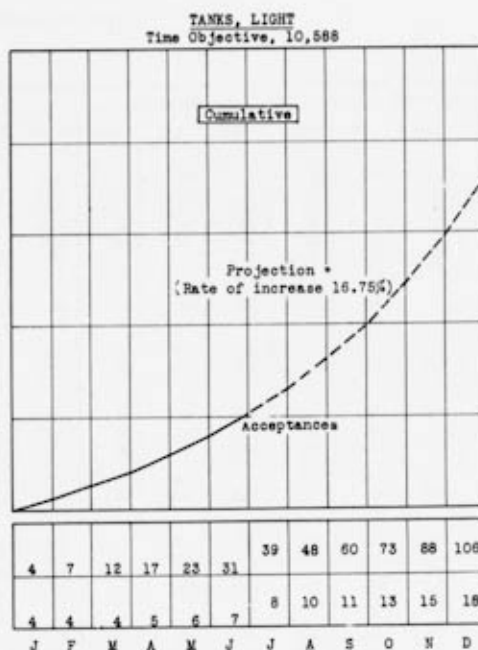
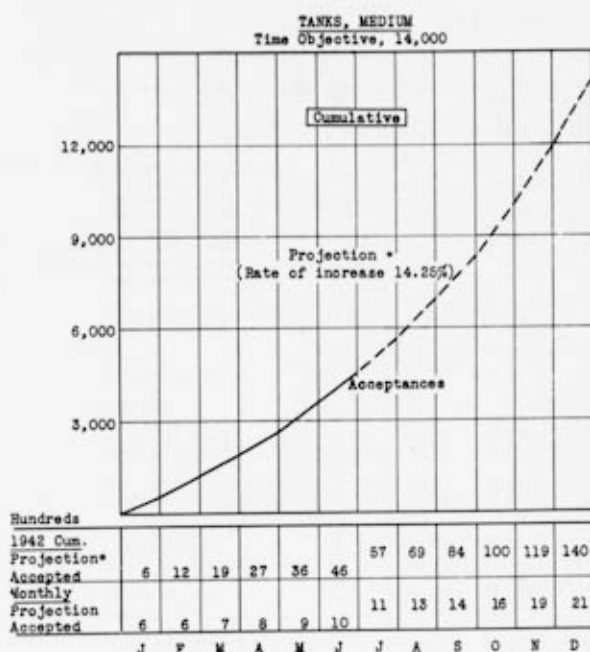
Source of Information: Ordnance Department



* This projected cumulative curve is based on the minimum monthly percentage rate of increase as compared with the June, 1942 production required to approximate the time objectives for the calendar year 1942.

TANKS AND ANTITANK GUNS - 1942 TIME OBJECTIVES - JUNE 30, 1942

Source of Information: Ordnance Department



* This projected cumulative curve is based on the minimum monthly percentage rate of increase as compared with the June, 1942 production required to approximate the time objectives for the calendar year 1942.

TABULAR SUMMARY - STATUS OF SELECTED ORDNANCE AMMUNITION ITEMS ON ARMY SUPPLY PROGRAM - JULY 10, 1942

Source of Information : Ordnance Department

(Figures in thousands)

Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated			
				Jan 1 - Jul 10	Apr	May	Jun	Jul 1- 10	Jul	Aug	Sep	
POMBS AND PYROTECHNICS												
Bomb, frag., 20#	(a)	3,261	3,215	1,227	260	0	0	0	0	120	180	180
Bomb, chem., 100#	(ab)	2,181	2,033	2,104	168	31	36	45	15	118	120	120
Bomb, demo., 100#	(a)	6,240	5,468	1,897	735	137	180	38	25	99	80	100
Bomb, demo., 250#, 300#	(a)	4,921	4,000	1,252	242	44	40	23	12	99	80	100
Bomb, demo., 500#	(a)	1,899	1,509	815	278	46	31	54	19	35	35	50
Bomb, demo., 1000#	(a)	1,314	932	724	33	2	8	8	5	15	18	25
Bomb, demo., 2000#	(a)	191	191	38	7	0	0	0	0	1	5	6
Bomb, SAP, 500#	(a)	1,257	927	491	36	0	4	22	10	15	15	50
Bomb, SAP, 1000#	(a)	563	419	289	0	0	0	0	0	0	0	5
Flares		4,455	1,719	976	107	11	12	51	17	71	77	125
Signals, aircraft		16,219	14,877	4,039	377	40	20	125	0	293	745	745
SMALL ARMS												
Cartridge, cal.30	**	16,563	15,786	6,342	2,423	417	521	592	218	638	685	739
Cartridge, cal.45	**	6,902	6,752	3,199	382	74	66	59	24	82	95	109
Cartridge, cal.50	**	5,703	5,547	2,279	424	58	99	124	48	138	172	194
Link, metallic belt, cal.30	**	3,714	2,372	2,579	249	41	47	47	14	55	113	168
Link, metallic belt, cal.50	**	5,216	5,124	2,765	592	100	108	133	45	153	159	162
MINOR CALIBERS												
Cartridge, 20mm, AC		247,113	205,111	108,464	30,489	6,127	5,524	4,681	1,456	7,467	9,900	11,600
Shell, HE, 37mm, AC		12,486	9,510	1,628	912	49	165	9	0	160	200	200
Shot, AP, 37mm, AC		692	543	567	140	22	27	79	0	0	(e)	0
Shell, HE, 37mm, AA		17,255	14,868	5,105	4,438	534	485	780	271	633	400	0
Shot, AP, 37mm, AA		2,016	2,016	683	173	0	0	53	120	165	150	100
Shell, HE, 37mm, T & AT		52,268	21,706	12,377	2,887	466	705	656	554	1,467	1,500	1,500
Shot, AP, 37mm, T & AT		76,208	47,878	12,926	8,022	1,905	1,855	2,125	212	2,540	3,650	3,000
Canister, 37mm, T & AT		5,332	4,103	1,374	1,109	79	171	430	429	319	350	150
Shell, HE, 40mm, AA		70,989	28,918	20,653	1,266	153	621	196	38	272	300	500
MEDIUM CALIBERS												
Shell, HE, 75mm gun		23,138	9,725	10,594	2,732	596	460	608	8	400	575	750
Shot, AP, 75mm gun		23,546	23,546	7,189	2,664	506	539	783	271	607	500	700
Shell, smoke, WP, 75mm gun	(a)	407	782	138	280	88	87	0	0	Not scheduled		
Shell, HE, 75mm how.		15,442	11,319	6,748	3,164	505	659	562	470	232	625	705
Shell, smoke, WP, 75mm how.		1,801	618	801	127	0	22	89	16	39	60	60
Shell, HE, 3", AA		1,958	1,662	759	1,517	404	228	152	155	100	150	75
Shell, HE, 3", T & AT		4,738	4,081	904	88	0	0	58	0	62	150	150
Shot, AP, 3", T & AT		13,481	9,017	2,399	80	0	0	80	0	120	200	300
Shell, HE, 90mm, AA		12,095	10,417	5,866	1,161	177	300	292	64	280	600	700
Shot, AP, 90mm, AA		854	675	360	0	0	0	0	0	5	10	21
Shell, HE, 105mm how.		32,856	28,360	10,855	4,463	752	554	706	632	802	757	865
Shell, smoke, WP, 105mm how.		4,149	3,746	1,262	321	95	41	121	45	84	100	150
SEPARATE LOADING												
Shell, HE, 155mm gun	(a)	1,403	1,376	758	167	20	0	26	0	55	100	100
Shot, AP, 155mm gun		301	280	293	8	0	1	3	4	5	24	27
Charge, prop., 155mm gun		1,923	1,902	954	729	175	101	151	34	80	41	140
Shell, HE, 155mm how.	(a)	9,511	9,769	4,089	1,968	282	414	352	105	280	365	300
Shell, smoke, WP, 155mm how.	(a)	783	385	263	46	0	0	31	5	29	30	100
Charge, prop., 155mm how.		11,438	11,425	4,772	2,937	298	363	449	162	489	350	225
MISCELLANEOUS												
Shell, HE, 60mm mortar		28,969	28,299	9,159	4,168	1,120	818	532	148	780	850	800
Shell, HE, 81mm mortar		7,943	7,694	4,402	1,835	465	796	0	180	414	550	500
Shell, smoke, WP, 81mm mortar		765	745	473	235	2	77	107	49	13	100	150
Grenade, hand, frag. & offensive		13,059	12,911	2,402	309	0	0	0	39	285	610	400
Grenade, rifle, cal.30 & cal.50		3,707	3,707	3,874	884	280	200	225	40	132	225	300
Grenade, HC, smoke, Gd & AC		6,720	6,590	1,726	34	34	0	0	0	66	140	34
Mine, antitank		6,035	6,026	2,450	1,055	203	478	198	0	0	0	96

Figures include procurement for International Aid and other services.
 * Quantity accepted prior to January 1, 1942, has been excluded.
 ** Figures in millions.

(a) Unfused.
 (b) Unfilled.
 (c) Less than 1,000.

Ordnance

6

STATISTICS AND PROGRESS BRANCH
 CONTROL DIVISION - HEADQUARTERS,
 SOS - 7-23-42

TEXT SUMMARY - SIGNAL CORPS PROCUREMENT - JULY 23, 1942

Source of Information: Office of the Chief Signal Officer, Materiel Division
Procurement Branch

PRODUCTION DIFFICULTIES

With few exceptions, the principal causes of delay in the manufacture of signal equipment fall in four general categories. An analysis of the situation as of the end of June is presented with respect to these difficulties.

1. Lack of Component Parts and Critical Materials - This is the greatest cause of delay in attaining volume production. The principal items affected are listed:

<u>Item</u>	<u>Limiting Component</u>
Flash Ranging Set GR-4	Switchboard BD-70, now ready for assembly
Frequency Meter SCR-211	Condensers, aluminum sheets and slow delivery of tubes from subcontractors.
Power Unit PE-75	Condensers
Radio Set SCR-178	Generator GN-37: voltage regulators
Radio Set SCR-195	Transformers, resistors, Coil C-165 and aluminum parts for condensers.
Radio Sets SCR-268, SCR-270 and SCR-271	Critical materials
Radio Set SCR-274	Dynamotors; ball bearings
Radio Sets SCR-508, SCR-528	Dynamotors; coaxial cables
Radio Set SCR-517	Spinners; inverters; power control units and transmission lines.
Receivers BC-314, BC-342	Trimmer condensers
Reel Unit RL-31	Steel brake drums
Telegraph Central Office Set TC-3	Motors for Printer TG-7: also awaiting approval of sample Switchboard BD-100.

2. Change in Specifications - This has affected the procurement of Control Net System SCS-2, Converter M-209, and Radio Set SCR-521. The Converter was originally of British design and it was necessary to adapt it for our purposes. The Army Air Force changed the specifications on the Control Net System and the Radio Set SCR-521.

3. Technical Difficulties - This problem has slowed production of the Frequency Meter Set SCR-211, principally caused by the lack of charts and calibration equipment. The Radio Set SCR-540 is included in this group. It is secret Radar equipment originally of British design, and adaptation was found necessary.

4. Miscellaneous - Other factors delaying the production of signal equipment are tooling, insufficient capacity of manufacturer, shortage of machine tools and low priority ratings on critical materials. Converter M-209, Radio Compass SCR-269, and Telegraph Central Office Set TC-3 represent the main items affected by these bottlenecks.

TABULAR SUMMARY - STATUS OF SELECTED SIGNAL CORPS ITEMS ON ARMY SUPPLY PROGRAM - JULY 15, 1942

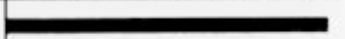
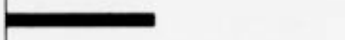
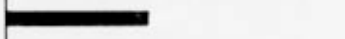
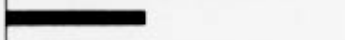
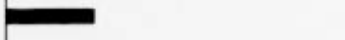
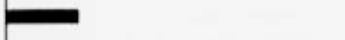
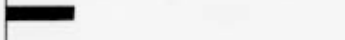
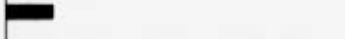
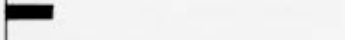
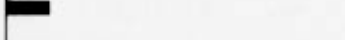
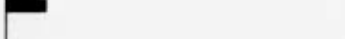
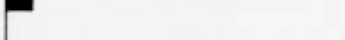
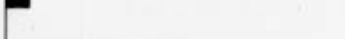
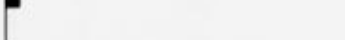
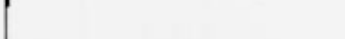
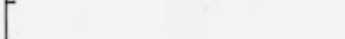
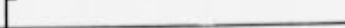
Source of Information: Office of the Chief Signal Officer, Materiel Division
Procurement Branch

Item	Author- ized *	Under con- tract "	Req'd prod. 1942	Accepted				Estimated			
				Jan 1- Jul 15	Apr	May	Jun	Jul 1-15	Jul	Aug	Sep
AIRCRAFT RADIO COMMUNICATION AND NAVIGATION EQUIPMENT											
Frequency Meter SCR-211	85,620	80,412	51,452	10,352	2,684	2,056	2,517	1,072	3,100	4,300	5,300
Interphone Equipment RC-36	69,981	69,981	43,450	8,752	1,608	2,312	3,023	922	4,500	3,000	3,600
Command Radio											
SCR-274	120,221	72,736	96,131	13,913	1,738	2,742	4,255	1,320	3,200	3,700	5,300
SCR-522	66,479	37,094	53,715	4,327	501	510	624	692	3,500	4,200	4,300
Liaison Radio SCR-287	63,582	62,832	38,895	4,567	1,054	983	1,128	366	800	800	1,240
Marker Beacon Equipment * RC-43	67,338	63,790	39,124	27,116	7,026	7,190	5,177	3,187	6,000	6,000	6,500
Radio Compass SCR-269	74,276	74,164	42,895	9,126	455	632	3,525	1,081	3,500	4,000	4,400
Absolute Altimeter											
SCR-518, SCR-618	40,342	22,995	17,600	245	0	0	155	90	500	750	1,000
WIRE COMMUNICATION EQUIPMENT											
Reel Equipment CE-11	35,669	35,669	26,777	23,189	14,451	4,149	6,559	30	5,000	5,000	2,510
Switchboard BD-71	8,514	8,514	2,327	951	0	371	298	0	200	200	500
Telegraph Set TG-5	12,441	12,441	9,013	3,856	526	1,122	556	127	500	1,000	2,000
Telephone EE-8-A	284,307	280,557	135,876	59,766	1,810	5,796	13,592	12,320	25,000	25,000	50,000
Telephone Central Office											
Set TC-4	645	645	1,378	0	0	0	0	0	10	20	50
Wire M-110 (Thou miles)	1,100	1,100	367	354	66	115	54	24	63	88	88
Wire M-130 (miles)	113,899	113,899	60,218	37,292	7,151	11,040	8,747	2,449	10,000	10,000	20,000
GROUND RADIO COMMUNICATION RADIO SETS											
Ground-Air Liaison and Army, Corps & Division Communication											
SCR-188	5,067	2,652	2,407	157	0	40	34	56	250	400	400
SCR-197	160	160		51	0	0	0	0	0	50	59
SCR-299	5,283	1,817	2,346	250	104	146	0	0	0	100	250
Intra-Regiment Communication											
SCR-284	37,024	19,681		780	0	0	610	170	1,000	1,500	1,500
SCR-288	1,539	1,539	17,912	1,200	189	475	393	0	339	0	0
Short Range Portable											
SCR-536	28,725	13,433	14,310	9,203	507	3,301	2,238	520	2,500	2,250	0
Short Range Vehicular Field Artillery											
SCR-610	46,499	24,288	19,248	8,119	0	462	2,503	4,886	5,000	5,000	6,000
Vehicular and Tank- Armored Force											
SCR-293 FM Type	872	872		706	61	68	148	118	150	134	0
SCR-508 FM Type III	16,433	10,433	3,799	835	578	0	155	83	200	400	1,000
SCR-506 AM Type II	13,500	13,500	4,733	Production starts in November, 1942.							
RADIO-AIRCRAFT DETECTION AND RECOGNITION EQUIPMENT											
SCR-268	4,736	4,736	1,797	255	46	7	46	38	80	120	150
SCR-520 AI-10	2,171	2,165	950	4	0	4	0	0	0	97	110
SCR-541 US-ASV, MK II	7,255	7,249	7,114	1,817	293	211	1,244	0	650	650	368
SCR-535 BR.-IFF, MK II	31,764	16,710	15,000	6,806	768	935	2,613	1,980	4,000	4,000	3,884
MISCELLANEOUS SIGNAL EQUIP											
Charging Set SCR-169	6,222	3,466	2,525	200	0	0	200	0	400	500	500
Signal Lamp Equip. EE-84	1,985	1,985	1,361	559	0	129	0	0	100	200	200
Sound Ranging Set GR-3	86	86	78	27	5	9	5	2	5	5	10
Test Set I-56	28,918	6,867	8,768	657	23	0	0	59	205	100	400

* Quantity delivered prior to January 1, 1942 has been excluded.
Figures include procurement for International Aid and other Services.

SIGNAL CORPS - PROCUREMENT PROGRESS - IMPORTANT ITEMS - JULY 15, 1942

Source of Information: Office of the Chief Signal Officer
Materiel Division, Procurement Branch

Item	1942 Req'd production	Deliveries Jan 1 - Jul 15							
		Number	%	Percent of req'd prod.					
				0	20	40	60	80	100
Wire W-110-B (miles)	366,762	353,815	96						
Reel Equipment CE-11	26,777	23,189	87						
Wire W-130 (miles)	60,218	37,292	62						
Radio Set SCR-535	15,000	6,806	45						
Telephone EE-8	135,876	59,766	44						
Radio Set SCR-610	19,248	8,119	42						
Radio Set SCR-293, SCR-508	3,799	1,541	41						
Radio Set SCR-521	7,114	1,817	26						
Radio Compass SCR-269	42,895	9,126	21						
Frequency Meter Set SCR-211	51,452	10,352	20						
Radio Set SCR-268	1,797	255	14						
Radio Set SCR-274	96,131	13,913	14						
Radio Set SCR-197, SCR-299	2,346	301	13						
Radio Set SCR-287	38,895	4,567	12						
Radio Set SCR-284, SCR-288	17,912	1,980	11						
Charging Set SCR-169	2,525	200	8						
Test Set I-56	8,768	657	7						
Radio Set SCR-522	53,915	2,327	4						
Radio Set SCR-520	950	4	1						
Radio Set SCR-506	4,733	0	0						
Telephone Central Set TC-4	1,378	0	0						

TEXT SUMMARY - CORPS OF ENGINEERS - PROCUREMENT PROGRESS THROUGH JULY 15, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

GENERAL

Of the 41 selected items listed in the tabular summary on the two following pages, 23 show July deliveries, and 5 of the 23 show receipts in more than one procurement group. Deliveries are divided into the four procurement groups as shown below.

Procured for	Number of Items		
	Having Authorizations	Scheduled for July Delivery	July 1-15 Deliveries
Troop Equipment	41	25	14
Theater of Operations	19	8	7
International Aid	24	4	1
Others	13	2	1

CONTRACT STATUS

BOAT, RECONNAISSANCE - This item shows no 1942 deliveries. The required production for Troop Equipment is 2,190 and authorizations are 9,924 with 1,550 under contract.

Delivery on this boat was delayed due to procurement priority given to 3,000 boats manufactured for Russia on Presidential Order. Delivery of these is now completed, and a schedule is now being developed for 720 units with deliveries definitely scheduled to start in the latter part of July.

MIXER, CONCRETE - Although only 21 deliveries have been made to meet Troop Equipment requirements of 172, Theater of Operation's deliveries are now completed, and 42 have been delivered in 1942 out of 62 under contract for International Aid.

PONTON BRIDGE, 10-Ton - A total of 59 are under contract and only 13 have been delivered to date. For Troop Equipment requirements, 3 have been delivered while 1942 required production is 37, and 32 of these are under contract. For International Aid needs, 1942 receipts total 10 while 1942 required production is 12 and the undelivered balance under contract is 12. Delivery is being delayed due to shortage of wooden parts.

The following items, having 1942 required production, show 1942 deliveries over and above the required production for Troop Equipment needs.

Item	1942 Acceptances	1942 Req. Prod.	1943 Req. Prod.
Compass, lensatic (thou)	93	53	298
Grader, Road, motorized	113	103	364
Stereocomparagraph equip.	130	51	255
Trailer, 60", searchlight	2,648*	925	6,279
Trailer (triangul. tower)	71	47	541
Transit Engineers, 20-sec.	539	421	2,254
Triangulation tower, port.	36	24	271
Welding and cutting set	343	203	770

* Completed contracts

TABULAR SUMMARY - PROCUREMENT STATUS OF SELECTED ITEMS - CORPS OF ENGINEERS
JULY 15, 1942

Item		Author- ized	Under con- tract	Req'd prod. 1942	Accepted					Estimated		
					Jan 1- Jul 15	Apr	May	Jun	Jul 1-15	Jul	Aug	Sep
Auger, earth, motorized	Troop Equipment	33	33	0	33	7	8	5	0	0	0	0
	Int. Aid	12	12	0	6	0	0	0	0	0	0	6
Balloon, Barrage	Troop Equipment	5,143	5,143	(a)	1,325	(a)	236	401	0	(a)	(a)	(a)
Boat, half, w/7 paddles	Troop Equipment	5,575	4,655	3,383	0	0	0	0	0	300	300	1,700
	Int. Aid	1,800	1,800	2,000	0	0	0	0	0	0	0	0
	Others	6,946	6,946	(b)	0	0	0	0	0	550	2,370	0
Boat, power, with trailer	Troop Equipment	279	279	143	85	36	0	0	26	5	25	0
	Theater of Oper.	70	70	(b)	70	4	14	42	18	18	0	0
	Others	100	100	100	0	0	0	0	0	25	25	46
Boat, reconnaissance	Troop Equipment	9,924	1,550	2,190	0	0	0	0	0	30	0	0
	Int. Aid	180	180	0	0	0	0	0	0	0	0	0
	Others	2,390	420	(b)	0	0	0	0	0	0	0	0
Bridge, steel, port., H-10	Troop Equipment	34	34	27	16	0	0	0	0	(c)	(c)	0
	Theater of Oper.	32	32	(b)	0	0	0	0	0	0	0	10
	Int. Aid	3	3	15	3	0	0	0	0	0	0	0
Bridge, steel, port., H-20	Troop Equipment	57	57	0	49	9	10	0	0	5	0	0
	Theater of Oper.	16	16	(b)	0	0	0	0	0	(c)	(c)	0
Bridge, steel, trestleway	Troop Equipment	115	19	17	3	0	0	0	0	4	0	0
	Int. Aid	5	5	5	0	0	0	0	0	(a)	(a)	0
Camera, copying, motorized	Troop Equipment	8	8	10	8d	8d	0	0	0	0	0	0
	Theater of Oper.	11	11	(b)	0	0	0	0	0	0	4	0
Compass, lensatic, (thou)	Troop Equipment	128	128	53	93	5	24	24	9	15	15	15
	Others	13	13	(b)	0	0	0	0	0	0	0	13
Compressor, air, motorized	Troop Equipment	1,192	1,192	529	0	0	0	0	0	150	160	170
	Theater of Oper.	200	200	(b)	51	0	0	48	3	0	0	0
	Int. Aid	389	389	149	49	0	0	0	0	0	0	12
	Others	1	1	(b)	1	0	1	0	0	0	0	0
Crane, truck, mounted	Troop Equipment	123	49	75	49	6	16	0	0	0	0	0
	Theater of Oper.	145	145	(b)	22	0	8	12	2	25	25	25
	Int. Aid	106	106	9	6	0	0	0	0	0	0	0
Duplicating equip. 18"x18"	Troop Equipment	986	986	625	555	0	555	0	0	0	0	0
Electric lgt. equip., 3KVA	Troop Equipment	1,763	1,763	1,014	389	126	196	67	0	120	120	45
	Theater of Oper.	50	50	(b)	50	0	0	0	0	0	0	0
	Others	367	367	(b)	5	0	5	0	0	0	0	0
Electric lgt. equip., 5KW	Troop Equipment	917	917	251	109	0	0	0	0	61	122	21
	Theater of Oper.	1,394	1,394	(b)	621	65	135	113	113	229	200	200
	Int. Aid	232	232	100	163	0	27	0	0	0	0	0
	Others	149	69	(b)	69	0	0	0	0	0	0	0
Explosive, amm. nitr. (tons)	Troop Equipment	1,905	700	1,680	125	45	2	75	0	80	80	(a)
Explosive, TNT (tons)	Troop Equipment	7,500	2,250	4,299	1,301	235	240	213	0	135	135	(a)
Float, pneumatic	Troop Equipment	1,246	1,246	1,739	638	0	0	445	193	235	0	0
	Int. Aid	3,000	3,000	500	2,113	50	230	1,532	301	700	56	0
	Others	2,160	2,160	(b)	487	0	180	0	307	50	114	0
Grader, road, motorized	Troop Equipment	196	196	103	113	12	49	50	1	20	30	21
	Int. Aid	20	20	0	0	0	0	0	0	0	0	0
Instruments, drawing, field	Troop Equipment	22,288	22,288	10,295	5,610	400	1,818	1,150	1,000	1,950	1,987	1,150
	Int. Aid	153	153	0	153	0	153	0	0	0	0	0

(a) Being developed

(b) Program developed as needed

(c) Contingent upon receipt of material

(d) Cameras awaiting installation in trucks

TABULAR SUMMARY - PROCUREMENT STATUS OF SELECTED ITEMS - CORPS OF ENGINEERS
JULY 15, 1942

Item		Author- ized	Under con- tract	Req'd prod. 1942	Accepted				Estimated			
					Jan 1- Jul 15	Apr	May	Jun	Jul 1-15	Jul	Aug	Sep
Mixer, concrete	Troop Equipment	168	168	172	21	0	0	0	21	60	28	0
	Theater of Oper.	55	55	(a)	55	0	0	33	7	0	0	0
	Int. Aid	62	62	0	42	0	27	15	0	0	20	0
Ponton, bridge, 10-ton	Troop Equipment	32	32	37	3	0	0	2	1	(b)	(b)	1
	Theater of Oper.	5	5	(a)	0	0	0	0	0	(b)	(b)	0
	Int. Aid	22	22	12	10	1	1	0	0	(b)	(b)	0
Ponton, bridge, 25-ton	Troop Equipment	50½	50½	57½	18	1	6	0	0	(b)	(b)	(b)
Searchlight, 24", beach def.	Troop Equipment	126	126	174	126	18	40	20	16	0	0	0
	Theater of Oper.	138	138	(a)	0	0	0	0	0	0	0	0
Searchlight, AA, 60" mobile	Troop Equipment	6,211c	6,211c	1,424c	792	88	128	197	44	75	125	175
	Int. Aid	4,200	4,200	2,165	0	0	0	0	0	0	0	50
	Others	0	0	79	0	0	0	0	0	0	0	0
Semi-trailer, 1500 gal water	Troop Equipment	205	205	435	1	0	0	1	0	72	80	53
	Theater of Oper.	50	50	(a)	23	0	0	11	12	28	0	0
Shovel, gasoline, 1½-yd.	Troop Equipment	227	227	202	80	13	10	12	3	12	12	24
	Theater of Oper.	70	70	(a)	50	3	6	25	14	20	20	0
	Int. Aid	205	205	0	4	0	4	0	0	10	15	7
Special equip., Aviation	Troop Equipment	26	26	20	10	3	4	1	0	(d)	(d)	7
	Theater of Oper.	113	113	(a)	4	0	4	0	0	(d)	(d)	7
Stereocomparagraph equip.	Troop Equipment	138	138	51	130	0	130	0	0	0	0	0
Stereoscope, mirror, w/bin.	Troop Equipment	1,0272	4,261	2,474	1,396	0	112	551	150	71	200	200
	Int. Aid	437	437	0	0	0	0	0	0	150	134	0
Tractor, med. w/angledozer	Troop Equipment	634	634	653	121	0	45	72	4	85	210	207
	Theater of Oper.	1,165	1,165	(a)	65	34	1	0	0	240	60	0
	Int. Aid	152	0	315	0	0	0	0	0	0	0	0
Trailer, (light tractor)	Troop Equipment	200	200	165	116	0	0	0	4	48	0	0
Trailer, (medium tractor)	Troop Equipment	1,057	1,057	724	82	0	0	0	82	200	200	0
	Theater of Oper.	485	485	(a)	65	0	0	0	65	0	0	0
	Int. Aid	30	30	0	24	0	0	0	0	0	0	0
	Others	750	750	(a)	0	0	0	0	0	0	0	70
Trailer, 60" searchlight	Troop Equipment	2,648	2,648	925	2,648	100	685	412	153	0	0	0
	Int. Aid	4,790c	2,165	2,165	0	0	0	0	0	0	0	0
	Others	0	0	79	0	0	0	0	0	0	0	0
Trailer, (triangul. tower)	Troop Equipment	71	71	47	71	0	0	12	59	39	0	0
Transit, Engineers, 1-min.	Troop Equipment	1,824	971	806	456	63	44	191	0	100	100	96
	Int. Aid	140	140	0	30	0	0	0	0	0	0	39
	Others	400	400	(a)	0	0	0	0	0	0	0	0
Transit, Engineers, 20-sec.	Troop Equipment	2,149	539	421	539	100	72	67	0	0	0	0
	Int. Aid	213	213	0	72	0	60	12	0	12	12	12
Triangulation tower, port.	Troop Equipment	36	36	24	36	10	0	16	0	0	0	0
Water puri. unit, mobile	Troop Equipment	66	66	42	32	10	12	2	0	12	0	0
	Theater of Oper.	120	120	(a)	46	18	0	22	4	20	20	20
	Int. Aid	20	20	0	0	0	0	0	0	0	0	0
Water supply equip., Engineer	Troop Equipment	530	530	138	18	0	0	0	0	0	5	0
	Theater of Oper.	1,130	1,130	(a)	509	66	133	118	92	150	150	155
	Int. Aid	100	100	100	0	0	0	0	0	0	0	0
Welding & cutting set	Troop Equipment	350	350	203	343	18	305	20	0	0	0	0
	Theater of Oper.	50	50	(a)	50	50	0	0	0	0	0	0
	Int. Aid	4	4	0	4	0	0	0	0	0	0	0
	Others	573	573	(a)	102	102	0	0	0	0	0	0

(a) Program developed as needed
 (b) Contingent upon receipt of material
 (c) Includes 293 for Seacoast Defense

(d) Schedule being developed
 (e) Includes 2,625, for 1943 requirements

Corps of Engineers

TEXT SUMMARY - C. W. S. - STATUS JULY 17, 1942

Source of Information: Chemical Warfare Service Progress Reports

GAS MASKS: The production of Service Masks during the week totals 62,397 units in comparison with the 66,774 units reported the previous week. This production was reported by the three industrial assembly plants and the Chemical Warfare plant at Edgewood. The total production of all plants is expected to reach 12,000 per day per plant by the end of July.

CHEMICAL AGENTS: Mustard Gas: The production of Mustard Gas so far this month has reached a total of 3,092 tons. It is expected that the production during the month of July will exceed the total produced during the calendar years 1940 and 1941.

Lewisite: Production of Lewisite by the Edgewood pilot plant for the week totals 13 tons. Construction of the plants at Huntsville, Pine Bluff and Denver is progressing favorably.

Screening Smoke (FS): There is no difficulty in producing FS smoke. Although production may vary from week to week, it is estimated that an average of 200 tons per month can be produced.

INCENDIARY BOMBS: Production of the magnesium four-pound bomb is dependent upon the allocation of magnesium. Present allocations permit the loading of approximately 100,000 bombs per week.

PAINT, VESICANT, DETECTOR: This material is an indicator to be used to detect the presence of Mustard or Lewisite. The paint is applied to exposed surfaces and changes color in the presence of these vesicants. It is packed in four-ounce cans. The first production of this item, 30,096 units, was reported last July and transferred to International Aid. Production against 1942 Army requirements of 4,760,712 units began this month.

WEEKLY DELIVERIES - SELECTED ITEMS

Item	Deliveries		Item	Deliveries	
	Jul 4 to Jul 10	Jul 11 to Jul 17		Jul 4 to Jul 10	Jul 11 to Jul 17
Agent, Non-Corr. (gal)	21,764	35,366	Bomb, Instructional, M2	8,400	10,200
Apparatus, Decont. Power	48	64	Brush, Decontaminating	200	0
Bleaching Material "B"	140	206	Container, Steel (1 ton)	636	613
Bomb, Incendiary (Mag)	102,765	107,215	Curtain, Gasproof	11,726	2,744
Bomb, Incendiary (Sub)	441,990	447,281	Drum (55 gal)	5,730	1,950
Canister, Service	0	22,300	Generator, Smoke Veh.	0	255
Chemical Agents (tons)			Impregnite I (ton)	53	83
Lewisite (ML)	8	13	Impregnite, Shoe (ton)	185	221
Mustard (HS)	1,067	1,003	Mortar, Chemical, 4.2"	20	0
Screening Smoke (FS)	118	55	Ointment, Protective (ton)	19	12
White Phosphorus (WP)	259	208	Paint, Vesicant, M5	46,800	141,552
Mask, Gas, Diaphragm	0	2,320	Respirator, Dust	51,700	90,824
Mask, Gas, Service	66,774	62,397	Set, Gas, Detonation	399	49
Tank, Airplane, M10	594	183	Shell, Chemical Mortar	6,490	6,560
Apparatus, Decont. (1 1/2 qt)	0	9,000	Shell, Livens Projector	3,500	0
Apparatus, Decont. (3 gal)	3,280	4,874	Smoke Pots	726	1,285
Apron, Rubber	0	259	Solvent, Impregnite (ton)	691	656

TABULAR SUMMARY - STATUS OF SELECTED C. W. S. ITEMS ON ARMY SUPPLY PROGRAM*
JULY 17, 1942

Source of Information: Chemical Warfare Service

Item	Author- ized**	Under con- tract**	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jul 17	Apr	May	Jun	Jul 1-17	Jul	Aug	Sep
CRITICAL											
Agent, Non-Corr. (gal)	2,716,510	2,604,023	1,370,193	378,549	121,718	51,653	100,657	76,173	100,000	115,000	125,000
Apparatus, Decont. Power	4,174	4,174	1,389	811	145	198	231	170	160	160	160
Bleaching Material, "A"	1,456	991	493	246	26	99	31	61	50	50	50
Bleaching Material, "B"	23,317	9,368	7,014	2,609	172	448	737	484	800	800	800
Bomb, Incendiary (Mag)(a)	89,775	35,000	25,471	1,543	233	549	330	317	Depends on Mg delivery		
Bomb, Incendiary (Sub)(a)	13,500	13,500	13,500	11,567	1,784	2,347	3,045	1,454	1,500	1,848	0
Canister, Srv. & Dis.	6,689,418	1,718,099	1,617,604	945,653	173,614	58,805	0	22,300	0	0	240,000
Chemical Agents (tons)											
Lewisite (M1)	58,912	4,912	54,000	136	26	24	28	30	26	26	0
Mustard (HS)	164,498	164,498	130,721	11,593	960	2,457	3,159	3,092	3,000	3,000	3,600
Phosgene (CG)	4,512	3,334	1,081	640	94	0	0	0	0	300	300
Screening Smoke (FS)	18,861	18,861	18,479	1,178	83	0	185	253	200	200	200
Screening Smoke (HC)	3,837	3,837	474	0	0	0	0	0	350	350	350
White Phosphorus (WP)	29,388	16,139	3,830	5,446	421	2,385	1,235	675	Procured as needed		
Mask, Gas, Diaphragm	615,247	634,646	843,200	196,963	30,073	30,763	0	2,320	30,000	60,000	200,000
Mask, Gas, Service	3,965,480	3,861,172	2,046,132	1,179,342	193,327	146,171	201,621	162,551	300,000	300,000	600,000
Tank, Airplane, M10	47,256	47,256	47,256	5,186	1,312	578	859	787	6,160	5,250	6,425
Tank, Airplane, M20	11,290	6,115	1,691	156	112	44	0	0	0	1,000	1,000
Tank, Airplane, M21	11,290	6,115	1,665	156	0	134	22	0	0	0	2,500
ESSENTIAL											
Agent, Simulated (M1,M2)	3,177	3,177	597	1,800	0	700	1,100	0	225	300	500
Alarm, Gas	65,063	48,309	34,138	0	0	0	0	0	0	8,309	10,000
Apparatus, Decont.(1 1/2 qt)	1,327,087	1,015,545	535,328	193,443	33,347	38,400	56,100	9,000	70,000	100,000	100,000
Apparatus, Decont.(3 gal)	153,994	48,735	42,251	11,114	0	0	0	11,114	12,000	12,000	12,000
Bomb, Instructional, M2	96,800	76,300	71,800	31,392	0	4,728	26,664	25,000	46,572	0	0
Brush, Decontaminating	1,311	1,311	1,889	1,311	0	1,111	0	200	0	200	0
Candle, DM	177,758	33,402	44,019	0	0	0	0	0	5,402	7,000	7,000
Cart, Ammunition, 4.2"	1,833	1,613	334	193	0	0	100	93	100	100	200
Container, Steel (1 ton)	283,770	105,167	244,184	12,090	3,167	1,750	2,054	1,812	2,000	4,000	4,000
Curtain, Gasproof	1,661,210	442,353	653,702	345,613	30,248	73,625	40,752	31,237	40,000	40,000	40,000
Cylinder, Portable	53,352	27,262	17,018	0	0	0	0	0	0	5,000	6,510
Flame Thrower, Emplaced	1,630	0	1,185	0	0	0	0	0	0	0	0
Flame Thrower, Mounted	8,730	0	2,537	0	0	0	0	0	Not standardized		
Generator, Smoke, Veh.	99,774	26,833	51,673	335	0	25	0	310	5,000	8,000	13,808
Impregnite I (ton)	10,634	10,634	1,875	1,661	292	361	387	204	325	325	325
Impregnite, Shoe (ton)	8,400	8,900	4,316	8,948	1,737	1,633	1,157	711	1,157	99	0
Kit, Repair, Universal M8	15,820	15,820	6,482	0	0	0	0	0	2,500	5,000	5,000
Mask, Gas, Horse, M4	93,434	20,713	28,248	0	0	0	0	0	0	20,713	0
Mask, Gas, Horse, M5	55,091	18,432	29,056	0	0	0	0	0	18,432	0	0
Mine, Land, Chemical	1,411,507	1,451,507	398,970	543,347	0	0	0	0	0	68,160	100,000
Mortar, Chemical, 4.2"	2,226	1,906	395	59	0	1	27	31	100	100	200
Ointment, Prot. (ton)	3,751	1,074	1,261	256	48	66	63	45	124	124	124
Plant, Impregnating, M1	74	15	19	0	0	0	0	0	6	8	1
Respirator, Dust (a)	17,952	5,435	6,591	233	4	15	35	161	100	250	500
Set, Accessories, L.P.	513	403	120	3	0	0	0	0	0	10	14
Set, Gas, Detonation	140,074	4,684	59,718	4,684	141	1,546	89	648	648	0	0
Set, Gas, Instructional	16,035	0	7,660	0	0	0	0	0	1,000	1,000	1,000
Shell, Chemical Mortar	3,307,516	2,059,837	647,481	64,048	8,277	13,606	19,749	18,997	20,000	30,000	50,000
Shell, Livens Projector	187,639	147,393	32,268	27,827	0	20,779	0	3,500	0	4,467	5,000
Sight, Chemical Mortar	2,483	2,117	411	350	0	0	350	0	350	375	375
Solvent, Impregnite (ton)	25,267	22,685	5,156	9,491	875	1,034	2,189	1,945	2,000	2,000	2,000

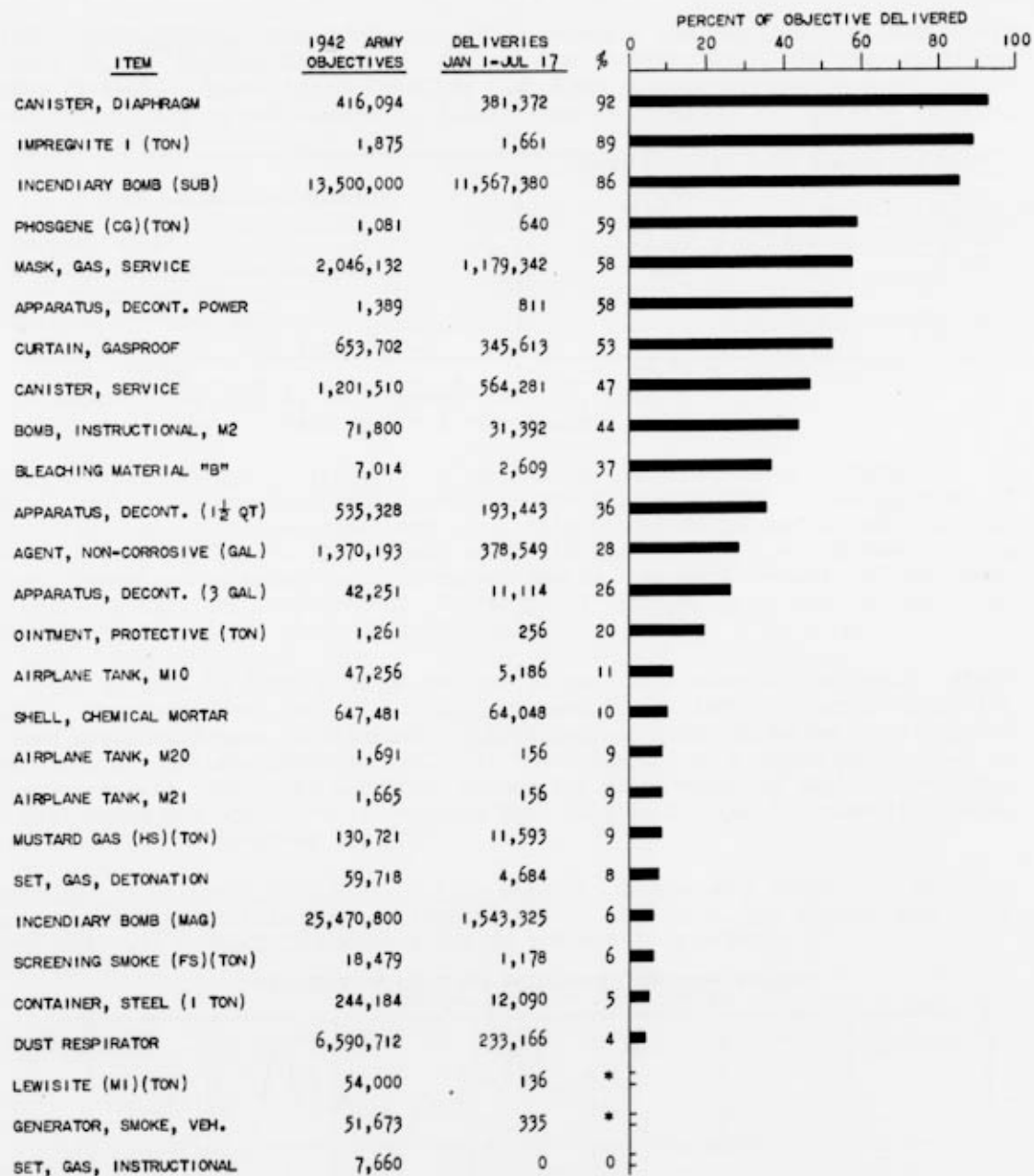
* International Aid and Navy figures not included.
 ** Deliveries prior to January 1, 1942 are excluded.

(a) Figures in thousands

Chemical Warfare Service

PROCUREMENT PROGRESS - C. W. S. - SELECTED ITEMS - JULY 17, 1942

Source of Information: Chemical Warfare Service



* LESS THAN ONE PERCENT DELIVERED

TEXT SUMMARY - MEDICAL DEPARTMENT - FOR WEEK ENDED JULY 23, 1942

Source of Information: Finance & Supply Div. - Office of Surgeon General

QUININE REQUIREMENTS: The tabulation below presents the requirements less stocks on hand of the Medical Department for quinine in 1942, 1943, and the first six months of 1944. These figures include U.S. Army stocks and requirements only; International Aid is not included. Figures represent amount of quinine required in items listed.

Item containing quinine	Requirements less stocks on hand		
	1942* (lbs.)	1943 (lbs.)	1944 (lbs.)
Coryza tablet	87.39	697.05	424.66
Quinine dihydrochloride, USP 5 gr. amp.	10.32	125.10	37.62
Quinine sulfate, USP	-	20,046.81	11,089.06
Quinine sulfate, USP, 5 gr. tab.	-	28,757.32	526.43
TOTAL	97.71	49,626.28	12,077.77

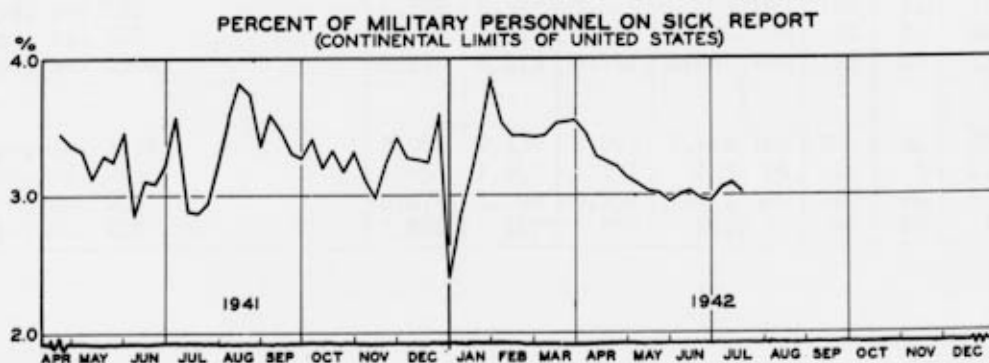
*Requirements from July 1, 1942 through Dec. 31, 1942.

Stock as of June 15, deducted from requirements.

DENTAL INSTRUMENTS AND EQUIPMENT: A tabulation of procurement information on dental instruments and equipment appears on the following page. Deliveries of dental forceps, it will be seen, are low. This situation is due to the fact that the small number of dental instrument makers in the country have not been able to adjust themselves as promptly to increased demand as have certain of the manufacturers of surgical instruments. Shortages of trained labor and of basic raw materials have added to their difficulties.

It will be noted that no deliveries have been made on the Dental Field Chair. This equipment, which must be light and "foldable", but rigid when set up, was originally made of aluminum. Specifications have had to be rewritten and tests made at Carlisle Laboratories. At the present time a chair using steel is being procured; contracts have been placed for 91 percent of the requirements, and deliveries are scheduled to begin in the July 15-23 quarter-monthly period, to be completed on November 14, 1942.

PERCENTAGE OF MILITARY PERSONNEL ON SICK REPORT: In the week ended July 16, 1942 the percent sick within the continental limits of the United States was 3.02. There were 2.76 percent in hospital and .26 percent in quarters.



MEDICAL DEPARTMENT - TABULAR SUMMARY - STATUS OF DENTAL EQUIPMENT - JULY 8, 1942

Source of Information: Medical Department Procurement Progress Reports

Item	1942 req. prod.	Fi- nan- ced	Con- trac- ted	De- liv- ered	% Requirement			
					Fin	Con	Due	Del
<u>CRITICAL ITEMS</u>								
Curette, FF Molt, no. 2	1,756	3,116	1,756	1,756	100	100	100	100
Curette, FF Molt, no. 4	1,756	3,116	1,756	1,756	100	100	100	100
Curette, FF Molt, no. 9L	1,821	3,164	1,804	1,804	100	99	99	99
Curette, FF Molt, no. 10R	1,823	3,164	1,804	1,804	100	99	99	99
Scissors, surgical, Dean, no.9	5,393	6,585	6,264	62	100	100	1	1
<u>ESSENTIAL ITEMS</u>								
Chair, operating	5,278	2,863	2,463	1,230	54	46	21	23
Compressor, unit, with 12 gallon tank	382	506	494	251	100	100	74	66
Unit, operating, dental	3,953	2,872	2,472	1,046	73	63	33	26
Machine, X-ray, dental, complete	161	363	363	248	100	100	100	100
Chair, dental field	5,366	5,271	4,871	0	98	91	0	0
Forceps, bone rongeur, no. 5S	3,900	2,409	1,988	679	62	51	17	17
Forceps, bone rongeur, no. 4A	1,694	1,120	1,020	391	66	60	38	23
Forceps, crown slitting	872	810	710	500	93	81	41	57
Forceps, hawkbill, Army	2,542	1,605	1,234	300	64	49	35	12
Forceps, rubber, dam punch	5,201	3,981	2,497	1,129	100	77	14	22
Forceps, no. 1, (Winter)	2,574	1,715	1,715	890	67	67	26	35
Forceps, no. 15	3,343	2,920	2,920	1,478	87	87	33	44
Forceps, no. 18R	4,312	4,319	3,436	364	100	80	47	9
Forceps, no. 65	3,867	4,493	3,943	1,834	100	100	22	47
Forceps, no. 18L	4,198	4,572	3,689	443	100	88	51	11
Forceps, no. 103	3,796	4,005	3,454	1,205	100	91	22	32
Forceps, no. 150A	7,270	8,173	6,211	2,281	100	95	42	35
Forceps, no. 151A	7,049	9,137	7,017	2,278	100	100	44	32
Forceps, no. 215	2,057	1,947	297	233	95	14	9	11
Forceps, no. 210	3,476	4,102	3,552	1,956	100	100	54	56
Forceps, no. 217	1,950	447	297	166	23	15	10	9

TABULAR SUMMARY - STATUS OF SELECTED MEDICAL DEPARTMENT ITEMS ON ARMY SUPPLY PROGRAM - JULY 8, 1942

Source of Information: Medical Department Procurement Progress Reports

The tabulation below includes International Aid and Navy figures.

Item	Author-ized	Under con-tract	Req'd prod. 1942	Delivered					Estimated		
				Jan 1-Jul 8	Apr	May	Jun	Jul 1-8	Jul	Aug	Sep
Chisel, bone, osteotome, 12mm	2,866	2,142	2,642	1,380	786	0	0	108	0	200	270
Forceps, mastoid, Hogeour, Bane	21,439	21,118	15,710	6,444	1,165	1,331	2,400	0	5,100	2,000	2,000
Forceps, towel, 5 1/2"	21,570	21,570	45,108	19,624	8,510	3,024	2,834	0	2,250	0	0
Holder, needle Hegar-Mayo	77,354	69,182	95,061	65,148	8,653	15,000	25,732	2,585	43,626	3,534	0
Knife, operating, 1 1/2" blade	24,600	24,600	9,240	13,002	24	3,092	0	3,890	0	3,000	3,200
Needle, uterine, size 1, 3/4-circle	16,762	16,762	13,322	14,360	4,328	2,600	348	0	1,390	1,390	0
Retractor, abdominal, self-retaining	9,091	8,967	14,274	6,985	1,410	1,320	575	200	2,283	522	1,000
Scissors, bandage	201,896	191,896	184,134	106,704	21,661	20,493	13,951	8,420	36,594	15,000	15,012
Sphygmomanometer, mercurial	14,720	12,650	13,303	8,497	1,092	2,483	2,300	1,302	2,000	1,000	4,145
Splint, Army, leg, 3-ring	99,627	83,157	53,037	26,629	5,588	3,438	4,728	0	0	14,153	15,092
X-ray, field generator	1,041	914	1,233	397	78	149	105	10	164	50	46
Chest, field, plain	16,518	16,518	10,360	7,387	75	0	5,511	0	7,723	5,035	0
Mercury, USP, 4lb.	72,596	72,596	72,716	72,704	36,128	108	0	0	0	0	0
Cotton, absorbent, roll	5,376,784	1,723,784	1,722,529	1,141,557	61,200	370,530	444,925	72,592	448,422	200,000	200,000
Gause, plain, sterilized	2,659,118	400,612	420,384	201,428	22,128	20,500	100,000	3,000	183,694	89,600	13,000
Anesthesia apparatus, N2O	945	696	1,681	34	0	4	0	24	78	250	200
Forceps, no. 210	4,102	3,552	3,476	1,956	0	8	600	135	548	300	300
Lamp, therapeutic, infra-red, small	2,167	1,667	3,221	1,667	349	888	111	0	0	0	0
Thermometer, clinical	2,145,253	1,975,253	1,778,666	1,223,930	203,130	347,699	167,000	27,100	416,016	140,000	190,000
Kit, first aid, M.V. 24-unit	42,574	42,574	45,698	26,162	6,649	9,786	4,104	500	7,000	7,000	2,113
Packet, first aid	6,874,116	2,790,742	3,457,566	940,500	535,000	145,000	240,000	0	0	0	61,500
Forceps, dressing, 5 1/2 inch	157,888	146,490	413,824	117,513	22,921	31,499	22,845	2,028	54,985	17,005	5,241
Forceps, hemostatic, Halstead	72,079	35,973	53,773	16,348	5,420	1,284	44	0	0	4,000	5,241
Forceps, hemostatic, Kocher	177,601	177,601	309,404	100,796	6,940	21,722	60,544	1,000	68,817	18,206	33,655
Forceps, tissue, spring, 5 1/2 inch	190,964	179,861	364,760	121,934	34,044	43,504	12,106	0	76,716	20,046	20,000
Shears, plaster of Paris	4,575	1,976	40,569	1,937	648	984	285	0	100	0	0
Machine, radiographic, 200ma	481	421	604	131	22	13	10	5	19	37	17
Sterilizer, hospital, utensil	5,136	5,103	11,324	4,290	741	1,290	463	50	635	81	0
Retractor, abdominal, flexidole	5,787	163	563	163	103	60	0	0	0	0	0
X-ray, field unit, mobile	1,839	1,629	2,335	591	208	150	0	49	82	92	92
Chest, M.D., no. K-1	1,157	1,057	2,124	481	195	53	0	49	0	0	100
Kit component, pouch	148,002	148,002	340,498	81,371	9,537	26,985	29,650	1,200	52,000	20,000	22,131
Bandage, gauze, roller, 3"	833,247	529,247	931,424	294,343	7,360	49,728	132,820	50,662	100,700	52,366	50,000
Syringe, hypodermic, complete	12,249	2,507	7,841	1,850	200	800	850	0	507	0	0
Syringe, Luer, needle, 23 ga., 1/4" can.	310,888	285,782	203,234	178,853	41,344	63,768	50,026	0	120,536	83,232	0
Microscope	3,174	2,174	5,610	1,449	327	100	226	0	170	156	160
Screen, intensifying, back, 14 inch	8,668	8,668	8,850	3,735	235	965	958	168	1,835	1,106	1,100
Cylinder, O2, 1500 gallon, empty	47,067	47,067	8,362	48	0	0	0	0	5,000	3,500	3,500
Dressing, first aid, small	15,836,834	11,086,834	10,673,885	5,053,290	783,949	1,530,000	1,258,950	0	3,000,000	2,000,000	2,909,506
Bed, folding	230,203	140,203	307,274	26,604	0	6,908	14,068	5,626	5,000	30,000	30,000
Litter	1,684	1,684	45,211	1,291	0	1,291	0	0	393	0	0
Table, operating, folding	989	32	2,047	32	0	0	0	0	16	0	0
Unit, power, electric	1,689	1,648	1,370	292	53	75	83	11	0	160	160

QUARTERMASTER - SUBSISTENCE - CANNED VEGETABLES - REQUIREMENTS AND PURCHASES

Source: Statistics Branch, Office of the Quartermaster General

CANNED VEGETABLES
REQUIREMENTS AND PURCHASES

	Requirements (M-86-a)	Purchases	
		Million Dozen Cans	Percent of * Requirements
TOTAL ALL GOVERNMENT AGENCIES	116.9	11.80	10.1
Army	91.0	10.06	11.1
Navy	19.0	1.37	7.3
Marine Corps	1.4	.23	16.6
Veterans' Administration	.6	.07	10.6
Treasury Procurement	.2	.05	26.2
F. S. C. C.	4.7	.02	0.5

Coordinated procurements by the Army for all Government agencies of canned vegetables under WPB Order M-86-a totaled 11.8 million dozen cans (#2) through July 14. Order M-86-a includes all major canned vegetables that the Army will purchase except sauerkraut and sweet potatoes.

Contracts let for 6.4 million dozen cans of spinach meet total and Army requirements. Army requirements as set by M-86-a have also been met for asparagus.

Large scale purchases of string beans and peas have already begun. 1.8 million dozen cans of string beans are now on contract for Army use. A total of 2.2 million dozen cans have been purchased for all Government needs. Total requirements for string beans are 9.4 million dozen cans. Approximately 6.7 percent of the requirements for green peas have been placed under contract.

As the canning season reaches a peak even larger purchases will be made. The season is completed for spinach and is largely over for asparagus in California. It has just begun for peas and string beans.

Overall canned vegetable requirements will be met although due to the unavailability of green vegetables in the quantities desired one or two items may necessitate substitution.

* Percentages calculated on basis of whole numbers and not rounded figures.

TABULAR SUMMARY - STATUS OF SELECTED Q.M. ITEMS ON ARMY SUPPLY PROGRAM - JULY 8, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

	Author- ized **	Under con- tract **	Req'd prod. 1942	Accepted ***					Estimated ***		
				Jan 1- Jul 8	Apr	May	Jun	Jul 1-8	Jun	Jul	Aug
CLOTHING											
Belt, web, waist	12,788	10,788	5,599	4,672,250	539,000	822,500	658,750	412,000	2,926,600	1,035,000	1,500,000
Cap, wool, knit	6,708	6,708	926	554,481	26	0	321,597	152,672	269,000	786,299	1,225,890
Leggings, canvas, dismtd.	13,963	13,963	8,826	3,328,065	489,626	545,262	817,216	188,278	1,144,552	1,728,837	1,304,000
Liners, helmet, steel, M-1	13,567	10,567	7,381	2,216,959	154,084	649,016	646,209	-	750,000	1,367,959	2,002,000
Mittens, asbestos, M-1935	740	640	597	191,858	18,718	17,460	9,062	91,999	30,000	45,859	111,000
Overcoat, wool, o.d.	6,172	6,172	3,367	2,384,928	455,601	355,728	410,368	141,073	578,552	196,425	434,150
Raincoat, mtd. & dismtd.	8,466	8,466	4,968	1,692,550	303,974	174,574	207,372	79,573	494,049	706,349	1,054,500
Shoes, service (I. low)	23,979	23,979	11,804	16,659,396	2,974,090	3,171,294	3,552,370	222,518	1,820,992	2,831,515	3,088,336
Trousers, cotton, khaki	21,626	21,626	12,868	6,638,317	840,909	1,308,883	1,546,554	664,574	1,937,211	1,093,073	1,827,570
Trousers, wool, o.d.	14,837	14,837	12,773	5,360,923	874,802	761,295	1,303,640	348,118	725,676	1,780,976	1,710,390
EQUIPAGE											
Bag, barrack	17,754	17,754	8,963	5,126,753	852,143	979,330	1,640,718	580,662	1,087,495	1,601,364	2,309,537
Bag, canvas, field, o.d.	4,555	4,555	2,616	1,196,351	212,201	206,705	224,155	93,275	200,000	100,000	301,957
Bar, mosquito	13,252	9,652	5,830	1,291,283	378,998	318,659	365,666	126,262	200,000	238,250	300,000
Blanket, wool, o.d.	14,019	14,019	9,278	5,398,733	769,499	963,879	1,151,062	282,156	578,842	152,000	742,022
Belt, cartridge, dismtd.	4,177	4,177	1,583	1,321,065	220,350	314,020	265,935	53,820	468,000	231,420	208,757
Can, meat	8,857	8,857	5,037	3,860,603	466,688	504,720	602,259	207,440	1,000,000	500,000	610,000
Canteen, M-1910	4,145	4,125	3,852	2,085,311	234,200	462,800	367,256	20,000	580,000	368,000	400,000
Cot, folding, canvas	5,033	5,033	1,593	1,801,200	99,574	400,274	736,424	131,332	399,795	1,000,000	399,766
Cot, fold., steel & bedstead	3,395	3,395	429	1,678,474	347,774	468,202	256,449	75,536	606,000	20,054	195,031
Cover, canteen, dismtd.	11,826	11,826	6,267	4,150,037	504,296	904,970	1,300,298	172,270	760,679	1,740,000	1,299,321
Haversack, M-1928	6,806	6,806	2,452	1,569,279	218,018	250,599	421,112	108,963	400,000	400,000	900,000
Pouch, first-aid	9,890	9,890	5,628	4,147,442	475,175	588,336	1,230,890	341,770	744,000	1,749,000	977,302
Paulin, canvas, khaki	41	52	36	31,023	5,766	7,176	14,064	443	3,865	14,785	12,000
Suspenders, belt	5,653	5,653	2,813	1,931,241	416,400	383,550	505,735	74,116	101,000	800,000	662,400
Tag, identification, M-41	20,143	20,143	6,628	6,204,930	439,930	1,000,000	2,500,000	895,000	579,930	4,000,000	5,920,070
Tent, pyramidal	1,635	1,635	503	273,031	44,827	72,877	92,082	27,567	79,513	110,000	120,000
Tent, shelter-half	12,993	12,993	5,048	1,882,236	225,134	307,091	728,087	149,651	255,000	1,300,000	2,000,000
Tent, wall, large, w/p/p	45	45	27	15,056	4,684	4,564	2,468	154	2,399	1,000	3,329
Tent, wall, small, w/p/p	569	569	464	59,797	5,412	10,377	12,814	3,016	11,000	13,000	21,000
GENERAL SUPPLIES											
Can, galvanized, w/cover	537	537	714	110,842	10,505	25,527	13,809	895	19,000	14,800	36,585
Container, water, 5-gallon	3,213	3,213	1,245	108,632	5,030	26,666	23,112	26,012	35,000	10,000	40,000
Lanterns, electric	144	144	143	73,532	28,573	22,084	33,153	5,120	36,000	49,101	0
Stoves, field	42	42	28	2,680	0	850	46	260	300	100	400
Stove, tent	483	483	580	475,046	70,778	56,084	31,040	6,012	100,000	101,200	0
Table, camp, folding	215	215	72	35,807	4	2,114	23,094	6,703	2,000	43,000	23,000
MOTOR VEHICLES											
Ambulances	2	2	8	1,707	358	161	506	199	1,216	1,029	1,520
Motorcycle, solo	17	17	43	18,367	397	3,512	4,975	1,607	-	4,739	4,720
Truck, 1/4-ton, 4x4	201	196	131	87,036	17,574	15,411	19,989	3,998	20,542	16,700	16,700
Truck, 1/2 or 3/4-ton, 4x4	24	24	51	26,393	3,504	3,679	4,999	2,849	4,980	7,483	7,720
Truck, 1-1/2-ton, 4x4	21	21	64	22,408	3,503	4,246	4,571	1,261	4,599	4,500	4,814
Truck, 2-1/2-ton	391	356	248	83,901	15,792	9,321	17,014	13,522	14,889	22,841	18,444
Truck, 4-ton, 6x6	2	2	3	1,947	295	371	200	1	350	368	480
Truck, 4-5-ton, 4x4, wo/w	1	1	4	1,330	117	348	191	80	678	300	300
Truck, 5-ton & over	4	4	21	3,819	683	690	615	317	1,568	486	2,083
Semi-trailer, 6-ton, 2-wheel comb. anl. & cargo	1	1	3	321	0	0	0	0	0	0	0
Semi-trailer, 20-ton, transp.	1	1	4	406	0	150	182	74	0	532	200
Trailer, 3/4-1-ton, 2-wheel	21	21	31	21,401	4,233	8,001	6,415	110	7,505	6,744	4,400
Trailer, 40-ton, transporter	1	1	3	838	136	184	161	32	438	646	786

* Figures include procurement for International Aid and Navy.

** Quantity delivered prior to January 1, 1942 has been excluded.

*** For Motor Vehicles only - includes data for Navy, International Aid and other Supply Services.

Q. M. PROCUREMENT - PROGRESS TOWARD 1942 REQUIRED PRODUCTION - JULY 8, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

Item	Required Production 1942	Delivered Jan 1 to Jul 8	Percent of 1942 required production					
			%	0	20	40	60	80
CLOTHING								
*Belt, web, waist	5,599,123	4,672,250	83					
Cap, wool, knit	926,008	554,481	60					
Leggings, canvas, dismtd.	8,826,114	3,328,065	38					
Liners, helmet, steel, M-1	7,380,746	2,216,959	30					
*Mittens, asbestos	596,579	191,858	32					
Overcoat, wool, o.d.	3,367,096	2,384,928	71					
*Raincoat, mtd. & dismtd.	4,967,586	1,692,550	34					
*Shoes, service (I. low)	11,803,907	16,659,396	141					
*Trousers, cotton, khaki	12,867,610	6,638,317	52					
Trousers, wool, o.d.	12,772,593	5,360,923	42					
EQUIPAGE								
Bags, barrack	8,963,421	5,126,753	57					
Bags, canvas, field, o.d.	2,615,710	1,196,351	46					
Bars, mosquito	5,829,836	1,291,283	22					
*Blanket, wool, o.d.	9,278,455	5,398,733	58					
Belt, cartridge, dismtd.	1,582,637	1,321,065	83					
Can, meat	5,036,841	3,860,603	77					
Canteen, M-1910	3,851,808	2,085,311	54					
Cot, folding, canvas	1,593,398	1,801,200	113					
Cot, fold., steel & bedstead	429,166	1,678,474	391					
Cover, canteen, dismtd.	6,267,108	4,150,037	66					
Haversack, M-1928	2,452,047	1,569,279	64					
Pouch, first-aid	5,627,912	4,147,442	74					
*Paulin, canvas, small, khaki	36,096	31,023	86					
Suspenders, belt, M-1936	2,812,668	1,931,241	69					
Tag, identification, M-41	6,628,468	6,204,930	94					
*Tent, pyramidal	502,501	273,031	54					
*Tent, shelter-half	5,047,796	1,882,236	37					
*Tent, wall, large, w/p/p	26,548	15,056	57					
Tent, wall, small, w/p/p	464,105	59,797	13					
GENERAL SUPPLIES								
Can, galvanized, w/cover	714,368	110,842	16					
*Container, water, 5-gallon	1,244,776	108,632	9					
Lantern, electric	143,216	73,532	51					
*Range, field	27,757	2,680	10					
Stove, tent, M-1924	579,813	475,046	82					
Table, camp, folding	72,286	35,807	50					
MOTOR VEHICLES**								
Ambulance, 1/2 or 3/4-ton, 4x4	8,454	1,707	20					
Motorcycle, solo	42,861	18,367	43					
Truck, 1/4-ton, 4x4	131,497	87,036	66					
Truck, 1/2 or 3/4-ton, 4x4	51,083	26,393	52					
Truck, 1-1/2-ton, 4x4	64,053	22,408	35					
Truck, 2-1/2-ton	247,901	83,901	34					
Truck, 4-ton, 6x6	3,201	1,947	61					
Truck, 4-5-ton, 4x4, tractor	3,662	1,330	36					
Truck, 5-ton and over	20,949	3,819	18					
Semi-trailer, 6-ton, 2-wheel, comb. anl. & cargo	2,693	321	12					
Semi-trailer, 20-ton transporter	3,800	406	11					
Trailer, 3/4-1-ton, 2wh. cargo	31,435	21,401	68					
Trailer, 40-ton, tank transporter	3,370	838	25					

* International Aid and Navy deliveries included.

** Includes data for Navy, International Aid and the other Supply Services.

TRANSPORTATION SERVICE - HARBOR BOAT PROCUREMENT - JUNE 30, 1942

Source of Information: Requirements and Procurement Division, Transportation Service

The Harbor Boat procurement program of the Transportation Service, as of June 30, 1942, comprised 58 items covering a variety of harbor boats and having a total value for the 1942 objective of \$152,370,500. The predominant part of this program was represented by the 22 items shown in the accompanying table, with the number and value of their respective 1942 objectives and value of deliveries to June 30.

Some of these items, principally the launches, are procured by purchase of used boats. In such cases both purchase and allocation are made by a joint committee representing the Army, Navy, and War Shipping Administration. Schedules do not include purchase of used vessels, procurement is not predictable, and attainment of objectives is not solely at the Army's disposal.

For those items procured by construction and contract, several general facts are relevant in examining these data. Boats are not reported as delivered until they are completed, hence the table does not reflect progress made at the plants while the boats are under construction. Lack of steel is limiting construction. The allotment of steel for August is about 50 percent of contractors' requirements, - - 3,000 tons allotted, as compared with 6,300 tons ordered. Derrick Barges, for example, are left short on their steel requirements. There are 35 on contract; building is progressing on seven or eight.

Some items lack only certain equipment to be complete. Utility Boats, T Class, show no deliveries, but there is a substantial number otherwise completed which lack only engines to permit use. Mine Planters likewise are held up, seven by lack of engines, two by lack of lathes for shop equipment. Aside from this missing equipment actual construction is completed on 10 of the 16 boats scheduled for 1942.

Of the 82 Landing boats scheduled for 1942, only 50 are financed. These are nearing completion at the Higgins Yard and had been expected to be delivered in a group in the near future. However a recent order of the Army-Navy Munitions Board gives priority to other construction, hence there may be delay in the delivery of the Army's landing boats. Due principally to the materials situation, the prospect at present is a slow-down of production and possibly of schedules on these items.

The offices charged with procurement in the Transportation Service have undergone a reorganization. Effective July 14, 1942, Administrative Order No. 79, the Marine Design, Construction and Procurement Branch and the Maintenance and Repair Branch of the Water Division were abolished and in their stead were constituted a Marine Design and Repair Branch and the Requirements and Procurement Division with the following functions assigned: Priorities relating to procurement; all procurement and purchasing of new and used vessels and pier equipment; supervision of purchasing and contracting activities pertaining to the Transportation Service; basic materials and conservation reports; requisitions, instructions and liaisons related thereto.

TABULAR SUMMARY - STATUS OF SELECTED TRANSPORTATION ITEMS ON ARMY SUPPLY PROGRAM
JUNE 30, 1942

Source of Information: Requirements and Procurement Division, Transportation Service

1942 Objective and Deliveries to June 30

Item	1942 Objective	Deliveries to June 30	1942 Objective (thousand dollars)	Deliveries to June 30	
				(thousand dollars)	Percent of Objective
Barges, Derrick	35	0	\$14,000	\$ 0	0
Barges, Gasoline	20	5	1,000	250	25
Barges, Ocean-Going	40	5	3,000	375	12
Barges, Self Propelled	47	3	9,400	600	6
Barges, Utility					
100' to 130'	94	14	2,350	350	15
Barges, 20-Ton 45'	169	89	930	490	53
Freight and/or					
Passenger Boats	43	6	21,500	3,000	14
Landing Boats	82	0	1,230	0	0
Launches, Q Class	37	30	2,960	2,400	81
Launches, Navy Type	63	19	1,575	475	30
Lighters, Cargo and Truck	75	0	2,775	0	0
Tugs, Small (under 100')	47	16	5,875	2,000	34
Tugs, Large (over 100')	41	5	18,450	2,250	12
Tow Boats, 26'	69	55	414	330	80
Utility Boats T Class	43	0	3,440	0	0
Distribution Box Boats	18	11	2,520	1,540	61
Mine Planters	16	2	24,000	3,000	12
Rescue Boats, 42'	78	56	1,950	1,400	72
Rescue Boats, 83'	20	9	2,400	1,080	45
Rescue Boats, 100'	63	0	11,025	0	0
Retriever Vessels	6	0	3,000	0	0
Utility Boats	21	0	6,300	0	0
Total	1,127	325	\$140,094	19,540	14

TEXT SUMMARY - AIRCRAFT PROCUREMENT

Source of Information: Aircraft Branch, WPB
Statistical Control, AAF

AIRPLANE ACCEPTANCES

Production of airplanes for all customers amounted to 1,450 units through the second quarter of July. This was a decline of eleven percent under the corresponding June period, when 1,631 units were produced.

Of the 1,450 units accepted through July 15, 1,175 went to the Army. This was seven percent below June. Bomber and fighter production continued upward, while declines were recorded in the service combat and trainer classes. Acceptances were as follows:

Type	Jun 1-15	Jul 1-15	Unit Change	Percent Change
Bombers	235	259	+ 24	+10
Fighters	239	274	+ 35	+15
Service Combat	203	123	- 80	-39
Trainers	580	519	- 61	-11
Total	1,257	1,175	-82	- 7

PROPELLERS

Propeller shipments from the five leading companies in production increased ten percent, from 8,724 in May (four manufacturers) to 9,626 in June. Canadian Propellers Ltd. appears for the first time in the program, with shipments of 100 Hamilton Standard type propellers.

TROUBLE REPORTS

Raw material shortages again led the aircraft trouble list in June. About 24 manufacturers reported difficulty in securing materials. Other manufacturers' reports stressed shortages of Government furnished equipment, vendor furnished equipment, labor, machine tools and instruments.

WPB LABOR DATA

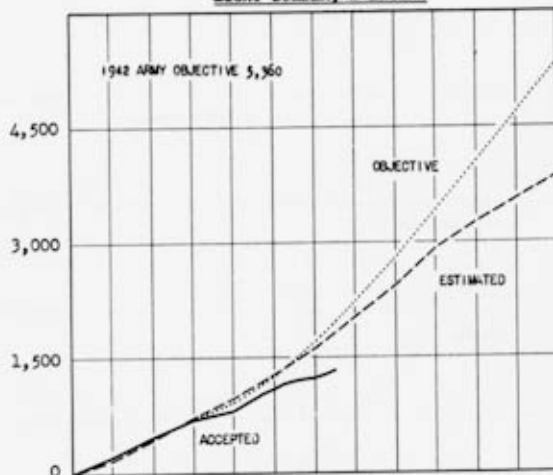
Productive employees in aircraft plants increased six percent, from 309,000 in May to 328,000 in June. In engine plants the increase was five percent, from 100,000 in May to 104,600 in June. In propeller plants the increase was nine percent, from 13,000 in May to 14,200 in June. According to present plans, the 66 WPB Program aircraft plants (39 are presently in production) will require ultimately 126 percent more productive employees than those now at work. The 20 engine plants (16 are presently in production) will require 121 percent more productive workers. The six propeller manufacturers (five are now in production) will require 42 percent more productive workers.

Aircraft manufacturers presently in production are sub-contracting an average of 27 percent of their work; ultimately 33 percent will be sub-contracted. Engine manufacturers are sub-contracting to the extent of 34 percent at present, and plan ultimately to increase this to 38 percent. The same ratios for propeller manufacturers are 53 percent and 61 percent respectively.

ARMY AIRPLANE PROCUREMENT - JULY 15, 1942

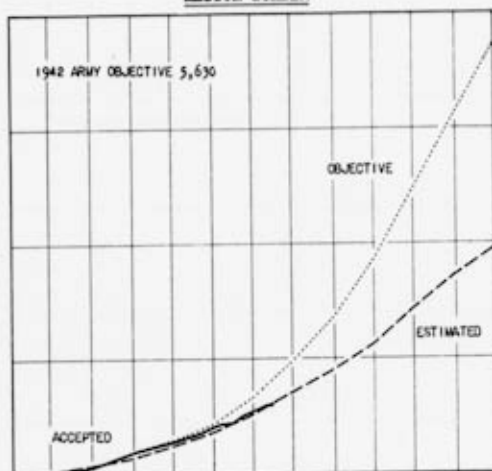
Source of Information: Objectives and Estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

LIGHT BOMBER, 2-ENGINE



1942 CUMULATIVE ESTIMATE	179	434	735	960	1269	1618	2025	2449	2914	3275	3570	3865
ACCEPTANCES	227	491	707	816	1088	1248	1311	(THRU 7/15)				
MONTHLY ESTIMATE	179	255	301	225	309	349	407	424	465	361	295	295
ACCEPTANCES	227	264	216	109	272	160	63	(THRU 7/15)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

MEDIUM BOMBER



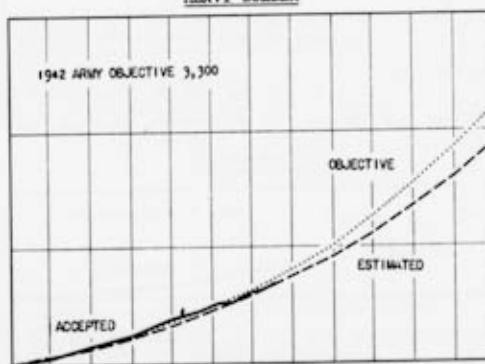
40	107	216	365	550	791	1058	1355	1689	2137	2585	2927
19	91	291	428	587	798	898	(THRU 7/15)				
40	67	109	149	185	241	267	297	334	448	448	342
19	72	203	137	159	211	100	(THRU 7/15)				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

LIGHT BOMBER, 1-ENGINE



1942 CUMULATIVE ESTIMATE	0	0	0	0	0	0	75	211	288	392	603	838
ACCEPTANCES	0	0	0	0	0	0	1	(THRU 7/15)				
MONTHLY ESTIMATE	0	0	0	0	0	0	75	136	77	104	211	235
ACCEPTANCES	0	0	0	0	0	0	1	(THRU 7/15)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

HEAVY BOMBER

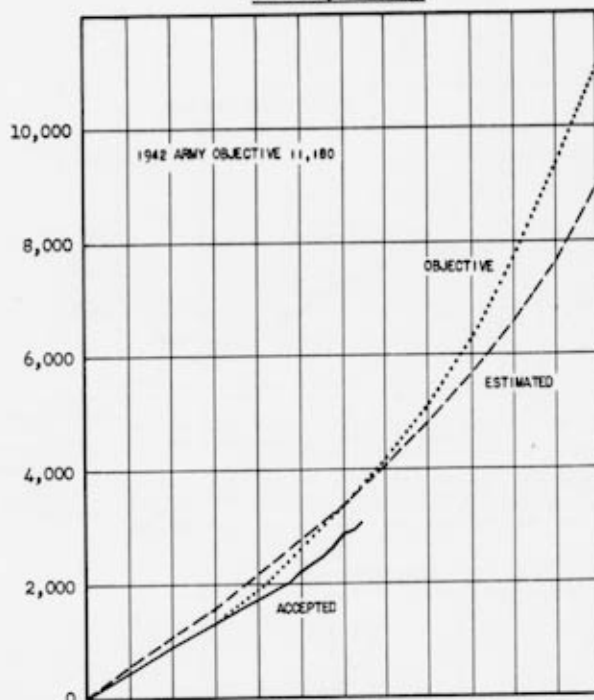


84	194	330	495	678	882	1110	1369	1665	2009	2398	2839	
82	216	372	543	721	917	1012	(THRU 7/15)					
84	110	136	165	183	204	228	259	296	344	389	441	
82	134	156	171	178	196	95	(THRU 7/15)					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

ARMY AIRPLANE PROCUREMENT - JULY 15, 1942

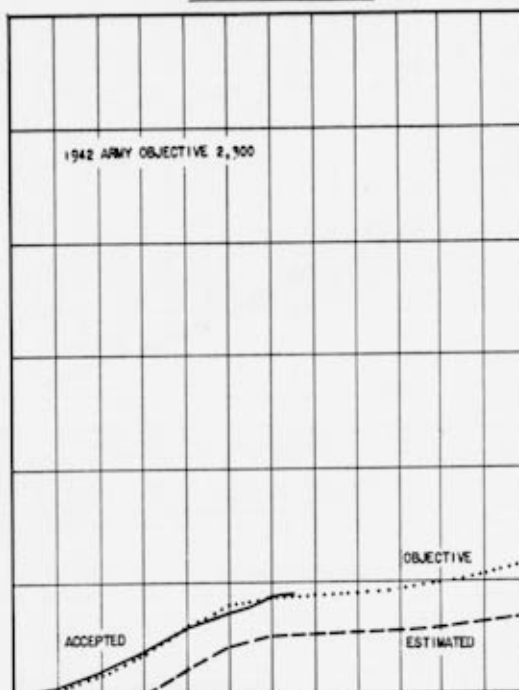
Source of Information: Objectives and Estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

FIGHTER, 1-ENGINE



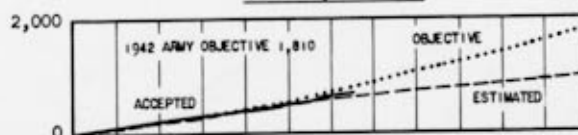
1942 CUMULATIVE ESTIMATE	531	1064	1562	2129	2729	3346	4060	4814	5683	6615	7683	8884
ACCEPTANCES	464	864	1327	1762	2244	2844	3077	(THRU 7/15)				
MONTHLY ESTIMATE	531	533	498	567	600	617	714	754	869	932	1068	1201
ACCEPTANCES	464	400	463	435	482	600	233	(THRU 7/15)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

COMMUNICATIONS (a)



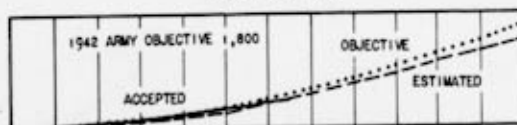
0	0	0	454	869	1036	1044	1067	1110	1175	1260	1364	
122	412	746	1125	1420	1727	1793	(THRU 7/15)					
0	0	0	454	415	167	8	23	43	65	85	104	
122	290	334	379	295	307	66	(THRU 7/15)					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

FIGHTER, 2-ENGINE



1942 CUMULATIVE ESTIMATE	101	216	316	454	535	606	676	746	797	849	916	996
ACCEPTANCES	106	233	333	434	534	632	693	(THRU 7/15)				
MONTHLY ESTIMATE	101	115	100	138	81	71	70	70	51	52	67	80
ACCEPTANCES	106	127	100	101	100	118	41	(THRU 7/15)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

TRANSPORT (a)



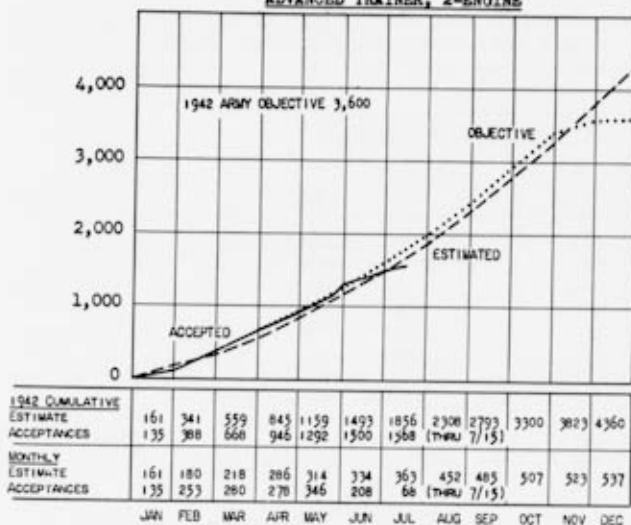
29	53	105	187	285	419	589	761	935	1125	1304	1532
29	75	144	257	346	429	486	(THRU 7/15)				
29	24	52	82	98	154	170	172	174	190	179	228
29	46	69	113	89	83	57	(THRU 7/15)				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

(a) Acceptances revised by reclassification of C-61 from Transport to Communications class.

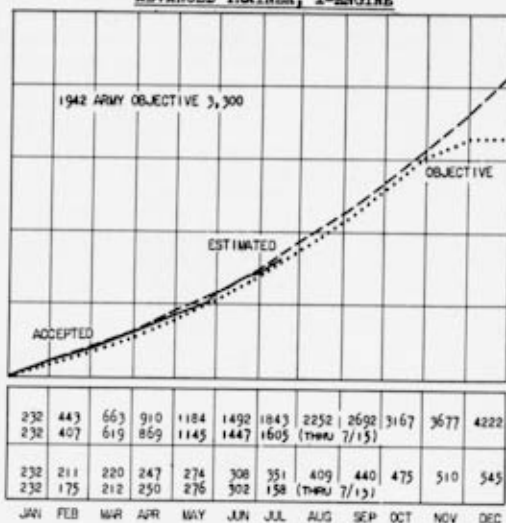
ARMY AIRPLANE PROCUREMENT - JULY 15, 1942

Source of Information: Objectives and Estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

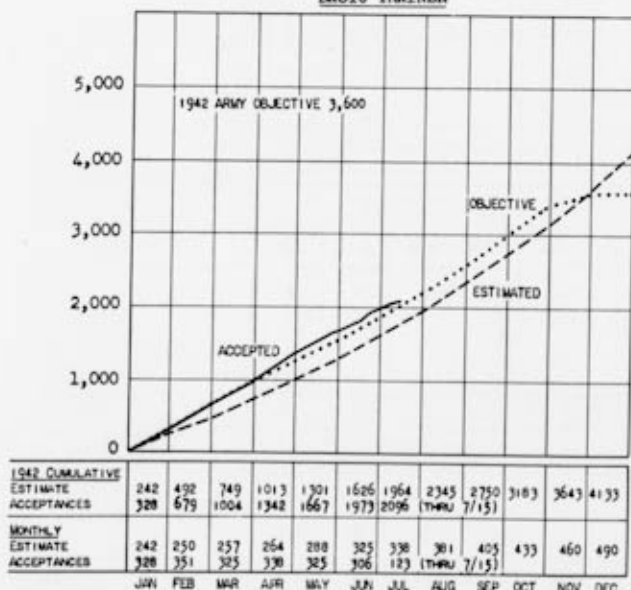
ADVANCED TRAINER, 2-ENGINE



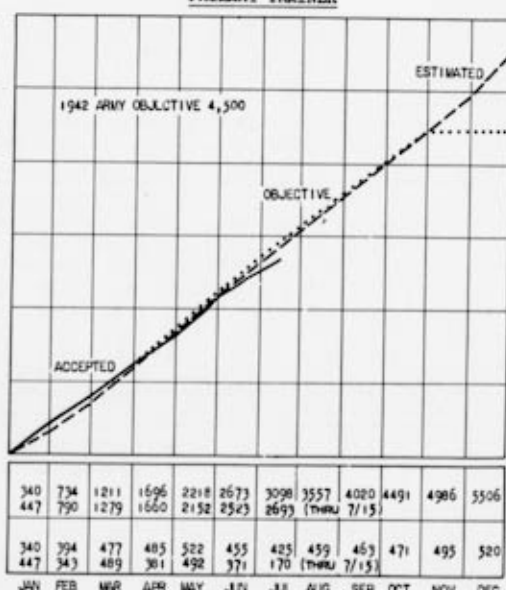
ADVANCED TRAINER, 1-ENGINE



BASIC TRAINER



PRIMARY TRAINER



NOTE: TRAINER ESTIMATES FOR ALL CUSTOMERS IN 1942 ARE 30 PERCENT IN EXCESS OF THE PRESIDENTIAL OBJECTIVE OF 15,000 UNITS. THE OBJECTIVES ABOVE REPRESENT THE ESTIMATE FOR EACH TYPE REDUCED IN PROPORTION TO ITS WEIGHT IN THE TOTAL ESTIMATE. THE ENTIRE U. S. TRAINER OBJECTIVE HAS BEEN ASSIGNED TO THE ARMY; DIRECT PROCUREMENT OF THIS TYPE BY OTHER AGENCIES IS NEGLIGIBLE.

TABULAR SUMMARY - U. S. AIRPLANE ACCEPTANCES - F.Y. 1942

Source of Information: Aircraft Branch, WPB
Statistical Control, AAF

The tabulation below is a revision of the preliminary data on airplane acceptances in F.Y. 1942 as released in our report of July 9. The June figure does not include five Noorduynd units of the C-64 type produced in Canada for the Royal Canadian Air Force. In addition, 98 Boeing primary trainers have been credited to Navy in the June figure on the basis of late reports. Some earlier releases credited these units to Army.

COMPARATIVE ACCEPTANCES F.Y. 1941 AND F.Y. 1942

Type	F.Y. 1941	F.Y. 1942	Unit Change	Percent Change
Heavy Bomber	116	1,164	+ 1,048	+ 903
Medium Bomber, 2-eng	177	1,510	+ 1,333	+ 753
Light Bomber, 2-eng	1,340	3,034	+ 1,694	+ 126
Light Bomber, 1-eng	503	763	+ 260	+ 52
Flying Boat, 2-eng	4	3	- 1	- 25
Flying Boat, 1-eng	215	569	+ 354	+ 165
Total Bombers	2,355	7,043	+ 4,688	+ 199
Army Fighter, 2-eng	22	874	+ 852	+3,873
Army Fighter, 1-eng	1,999	6,129	+ 4,130	+ 207
Navy Fighter, 1-eng	596	827	+ 231	+ 39
Total Fighters	2,617	7,830	+ 5,213	+ 199
Naval Reconnaissance	203	984	+ 781	+ 385
Total Combat	5,175	15,857	+10,682	+ 206
Transport	287	716	+ 429	+ 149
Communications	116	2,417	+ 2,301	+1,984
Total Service Combat	403	3,133	+ 2,730	+ 677
Total Tactical	5,578	18,990	+13,412	+ 240
Adv Trainer, 2-eng	231	2,230	+ 1,999	+ 865
Adv Trainer, 1-eng	1,618	2,891	+ 1,273	+ 79
Basic Trainer	959	3,231	+ 2,272	+ 237
Primary Trainer	2,718	5,391	+ 2,673	+ 98
Total Trainers	5,526	13,743	+ 8,217	+ 149
Grand Total	11,104	32,733	+21,629	+ 195

MONTHLY ACCEPTANCES BY TYPE IN F.Y. 1942

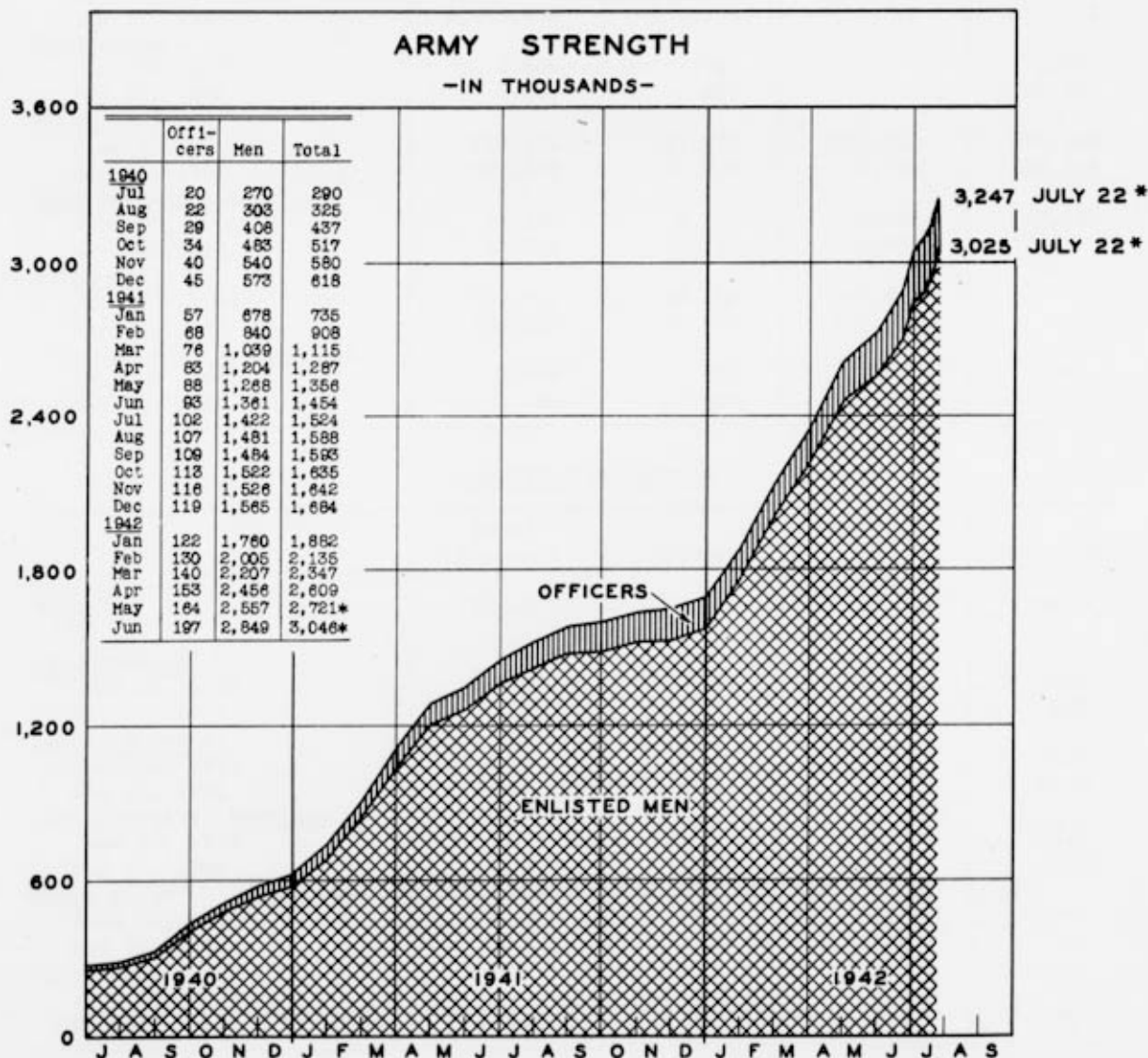
Type	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Bombers	345	356	408	404	330	550	492	629	780	721	1,021	1,007	7,043
Fighters	202	438	474	569	594	692	843	768	776	747	773	954	7,830
Naval Recon.	10	56	65	70	70	101	95	101	116	103	94	103	984
Service Combat	75	118	115	113	164	138	211	430	443	511	414	401	3,133
Trainers	829	886	861	1,124	975	959	1,331	1,157	1,357	1,413	1,617	1,234	13,743
Total	1,461	1,854	1,923	2,280	2,133	2,440	2,972	3,085	3,472	3,495	3,919	3,699	32,733

MONTHLY ACCEPTANCES BY CUSTOMER IN F.Y. 1942

Customer	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Army	701	952	887	1,126	1,184	1,284	1,567	1,689	2,077	2,009	2,231	1,724	17,431
Inter. Aid	0	2	140	90	119	358	575	726	729	639	635	912	4,925
Navy	334	360	263	294	266	324	306	335	351	532	704	709	4,778
Britain	410	514	603	733	547	459	388	263	271	274	304	320	5,086
Foreign & Comm.	16	26	30	37	17	15	136	72	44	41	45	34	513
Total	1,461	1,854	1,923	2,280	2,133	2,440	2,972	3,085	3,472	3,495	3,919	3,699	32,733

ARMY STRENGTH - JULY 22, 1942

Source of Information: Statistics Branch, General Staff



* Estimates

STRENGTH - SERVICES OF SUPPLY, JUNE 30, 1942

Source of Information: Monthly Personnel Report, Report Statistics Section

	Total Strength	Officers	Enlisted Men	Civilians
<u>Total</u>				
June 30, 1942	1,246,846	**60,079	*488,248	698,519
May 31, 1942	1,169,954	**55,329	*454,340	660,285
<u>Headquarters</u>				
June 30, 1942	2,592	701	—	1,891
May 31, 1942	2,281	641	—	1,640
<u>Supply Services</u>				
June 30, 1942	939,199	31,679	233,012	674,508
May 31, 1942	880,655	28,315	213,748	638,592
<u>Administrative Services</u>				
June 30, 1942	34,450	2,198	10,132	22,120
May 31, 1942	28,767	1,746	6,968	20,053
<u>Corps Areas</u>				
June 30, 1942	267,611	25,004	242,607	—
May 31, 1942	255,867	24,221	231,646	—
<u>Miscellaneous Detachments</u>				
June 30, 1942	2,994	497	2,497	—
May 31, 1942	2,384	406	1,978	—

PERCENT DISTRIBUTION

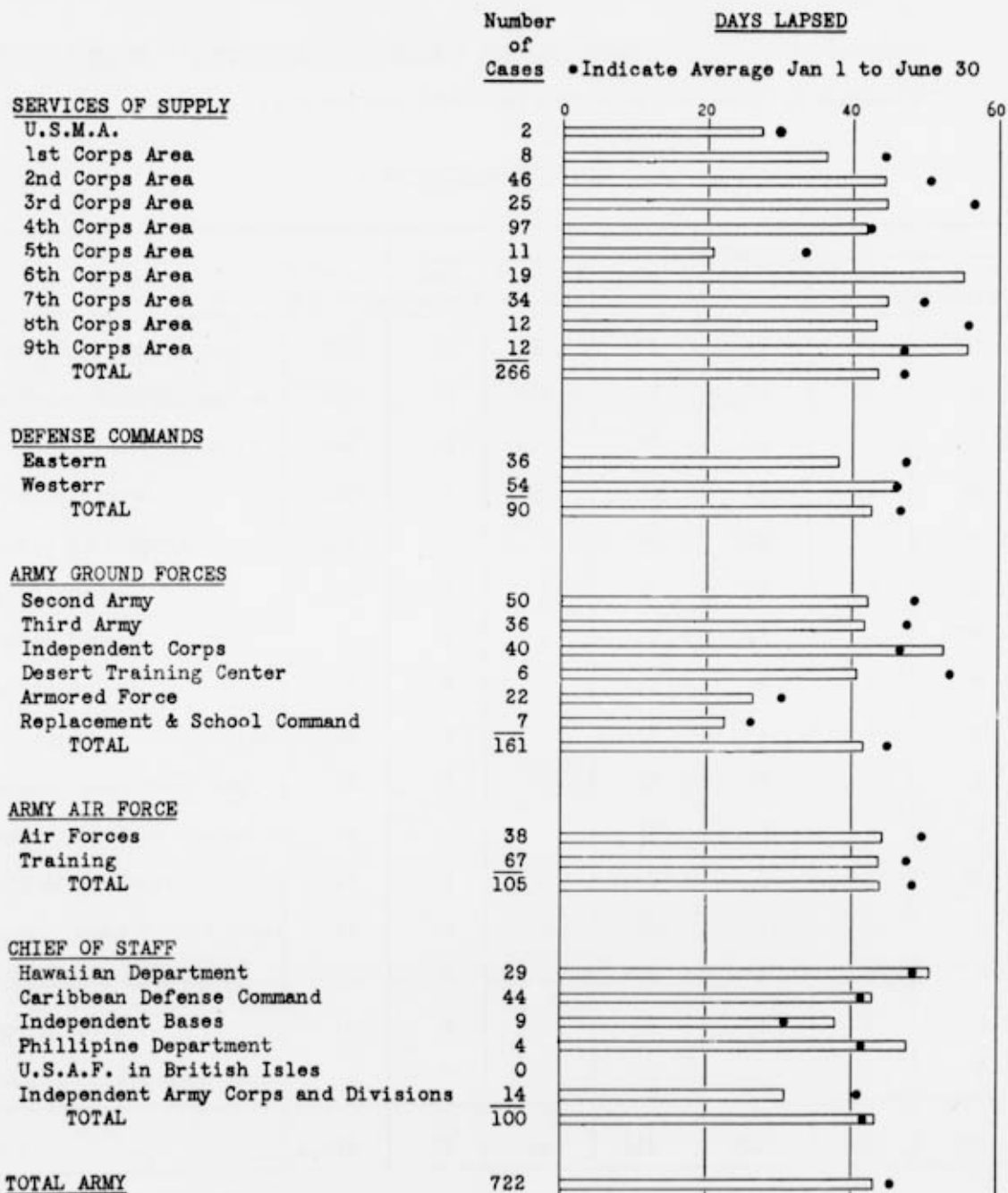
	Total Strength	Officers	Enlisted Men	Civilians
<u>Total</u>	100.0	100.0	100.0	100.0
<u>Headquarters</u>				
June 30, 1942	0.2	1.2	—	0.3
May 31, 1942	0.2	1.1	—	0.2
<u>Supply Services</u>				
June 30, 1942	75.3	52.7	47.7	96.5
May 31, 1942	75.3	51.2	47.1	96.7
<u>Administrative Services</u>				
June 30, 1942	2.8	3.7	2.1	3.2
May 31, 1942	2.5	3.2	1.5	3.1
<u>Corps Areas</u>				
June 30, 1942	21.4	41.6	49.7	—
May 31, 1942	21.8	43.8	51.0	—
<u>Miscellaneous Detachments</u>				
June 30, 1942	0.3	0.8	0.5	—
May 31, 1942	0.2	0.7	0.4	—

* Warrant Officers included in this total:- June 30 - 1,182; May 31 - 1,073

** Army Nurse Corps included in this total:- June 30 - 7,075; May 31 - 7,159

COURTS-MARTIAL - DAYS LAPSED FROM CONFINEMENT TO SENTENCE - JUNE 1942

Source of Information: Office of the Judge Advocate General



TABULAR SUMMARY - CONSTRUCTION PROGRESS - JUNE 30, 1942

Source of Information: Construction Division, Office of the Chief of Engineers

CONSTRUCTION PROJECTS

Item	Total projects	Status of construction					
		Not started	Ahead of Schedule	On Schedule	Behind Schedule	Ready for use	100% Complete
Other Troop Facilities	463	10	20	71	25	6	331
Air Corps Schools, Dep. etc	343	10	21	152	53	11	96
Air Corps Tactical Units	244	14	17	76	43	4	90
Ordnance Plants	145	2	20	50	13	11	49
Camps & Cantonments	107	1	7	16	12	4	67
Miscellaneous	74	6	7	14	5	0	42
Storage Depots	65	2	2	17	13	0	31
General Hospitals	51	0	7	13	6	0	25
Misc. Ordnance Facilities	49	3	3	18	1	3	21
Ordnance Amm. Stor. Dep.	32	2	1	11	9	4	5
Chemical Warfare Plants	27	0	0	12	3	4	8
Ports of Embarkation	26	2	2	5	4	1	12
*Reconsignment & Hold. Pts.	23	0	1	10	7	3	2
Amm. Load. & Back-up Areas	13	0	2	4	6	0	1
Staging Areas	9	0	1	5	1	2	0
O'Seas D'chge & Repl. Dep.	7	0	0	0	1	1	5
TOTAL	1,678	52	111	474	202	54	785

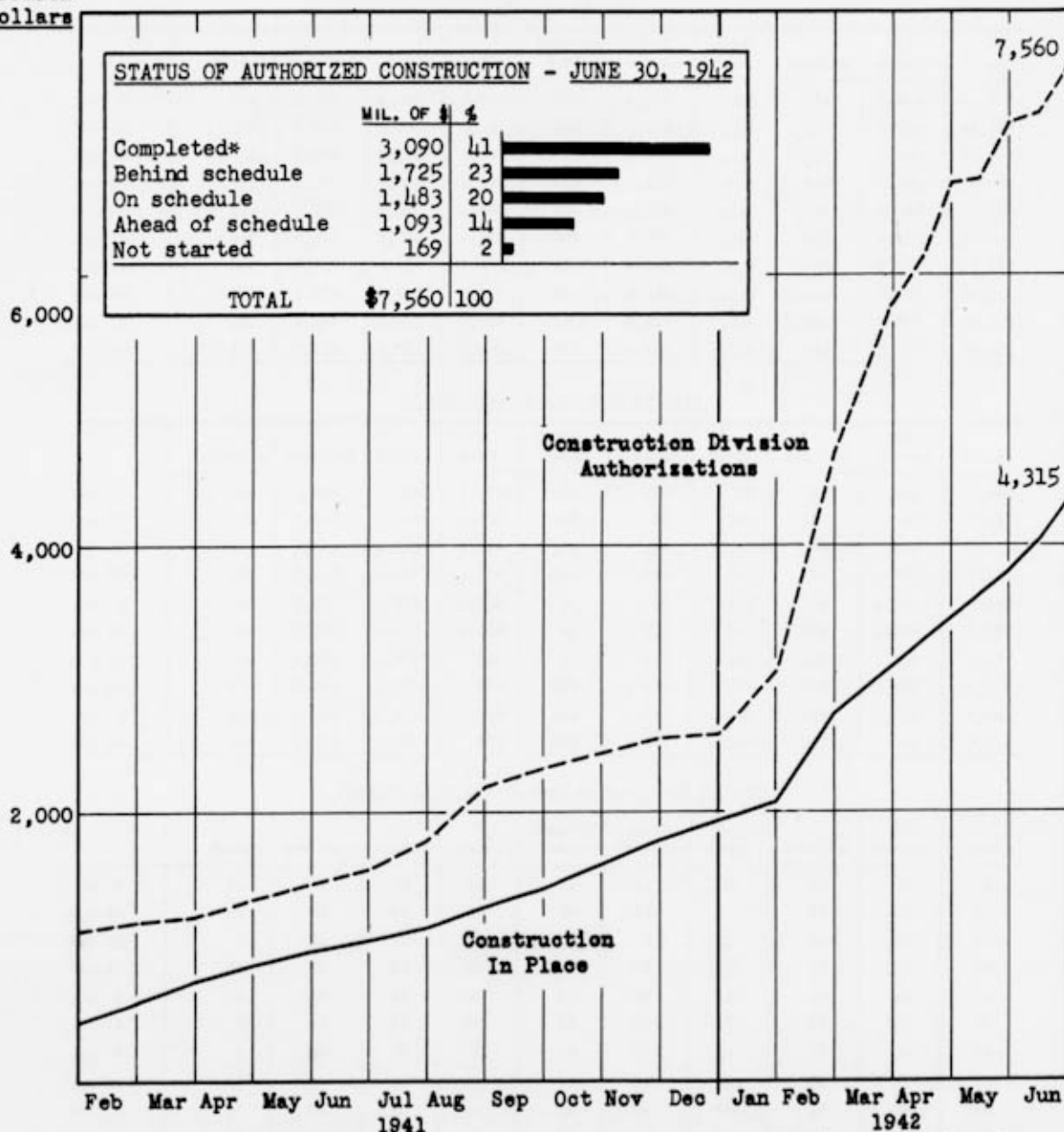
* Includes War Aid Depots

CORPS OF ENGINEERS - CONSTRUCTION PROGRESS - JUNE 30, 1942

Source of Information: Construction Division, Office of the Chief of Engineers

CUMULATIVE MILITARY CONSTRUCTION DATA

Million
dollars



Note: Figures subsequent to February 1, 1942 include Air Corps construction

* Includes projects ready for use

Military Construction

33

STATISTICS AND PROGRESS BRANCH
CONTROL DIVISION - HEADQUARTERS,
SOS - 7-23-42

PORT SITUATION - DELAYS IN CAR UNLOADING - JULY 10, 1942

Source of Information: Association of American Railroads - PT Report No. 8

CARLOAD FREIGHT FOR EXPORT AND COASTAL VESSEL MOVEMENT (EXCLUDING COAL)

LOADED CARS ON HAND

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	132	8,008	3,542	2,760	298	2,205	1,361	464	2,545	21,315
May 15	153	7,982	3,489	2,634	285	2,448	1,293	669	2,984	21,937
May 22	782	7,256	3,385	2,178	345	2,406	1,515	402	2,489	20,758
May 29	520	6,771	3,060	1,935	410	2,690	1,606	500	2,391	19,883
Jun 5	403	7,390	2,887	1,971	345	2,735	1,888	349	3,147	21,115
Jun 12	447	6,828	2,761	1,778	246	2,752	1,806	482	2,968	20,068
Jun 19	566	6,767	2,894	1,772	331	2,848	1,642	972	3,371	21,183
Jun 26	374	6,254	2,787	1,611	556	3,239	1,610	1,241	3,662	21,324
Jul 3	437	6,926	2,611	1,609	680	3,427	1,556	1,191	3,368	22,005
Jul 10	679	7,768	2,757	2,256	823	3,485	1,529	693	2,915	23,106

LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	66	2,968	2,558	1,238	64	308	62	160	192	7,636
May 15	52	2,647	2,294	1,670	102	323	131	197	413	7,829
May 22	51	2,368	2,359	1,116	189	389	163	233	566	7,434
May 29	169	2,558	1,933	1,014	133	605	195	185	462	7,254
Jun 5	50	2,497	1,474	1,013	67	749	183	128	1,279	7,440
Jun 12	38	2,662	1,674	1,003	42	803	180	128	1,207	7,737
Jun 19	22	2,453	1,696	941	59	949	306	107	984	7,517
Jun 26	178	2,344	1,831	928	105	1,698	302	429	982	8,797
Jul 3	207	2,652	1,234	734	229	1,855	301	439	1,012	8,663
Jul 10	264	2,933	1,256	807	503	1,841	285	507	746	9,142

PERCENTAGE OF LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	50	37	72	45	21	14	6	34	8	36
May 15	34	33	66	63	36	13	10	29	14	36
May 22	7	33	70	51	55	16	11	58	23	36
May 29	33	38	63	52	32	22	12	37	19	36
Jun 5	12	34	51	51	19	27	10	37	41	35
Jun 12	9	39	61	56	17	29	10	27	41	39
Jun 19	4	36	59	53	18	33	19	11	29	36
Jun 26	48	37	66	58	19	52	19	35	27	41
Jul 3	47	38	47	46	26	54	19	37	30	39
Jul 10	39	38	46	36	61	53	19	57	26	40

TABULAR SUMMARY - TRANSFERS - INTERNATIONAL - CUMULATIVE AS OF JUNE 30, 1942

Source of Information: International Division

MILLION DOLLARS

	Ordnance Dept.	Air Corps	Q.M.C.	Corps of Engineers	Signal Corps	C.W.S.	Medical Dept.	Total
United Kingdom	\$358.3	\$250.1	\$118.2	\$ 13.6	\$ 16.2	\$ 8.7	\$.7	\$ 765.8
Russia	139.8	160.0	77.6	.5	16.4	6.5	—	400.8
China	21.1	30.7	25.6	2.4	.8	—	2.6	83.2
Belgium	.7	—	—	—	—	—	—	.7
Brazil	2.9	3.8	1.5	—	.1	—	—	8.3
Canada	.7	—	—	—	—	.2	—	.9
Chile	.7	.4	.3	—	—	—	—	1.4
Colombia	—	.1	—	—	—	—	—	.1
Greece	4.4	—	—	—	—	—	—	4.4
Ecuador	—	.1	—	—	—	—	—	.1
Netherlands	5.3	—	.1	1.4	—	—	—	6.8
Peru	—	.3	—	—	—	—	—	.3
Poland	.1	—	.1	—	—	—	—	.2
Turkey	1.4	—	.5	—	—	—	—	1.9
Uruguay	—	.1	—	—	—	—	—	.1
Venezuela	—	.1	—	—	—	—	—	.1
General and Administrative	2.6	.2	.2	.9	.1	—	—	4.0
Total	\$538.0	\$445.9	\$224.1	\$ 18.8	\$ 33.6	\$ 15.4	\$ 3.3	\$1,279.1

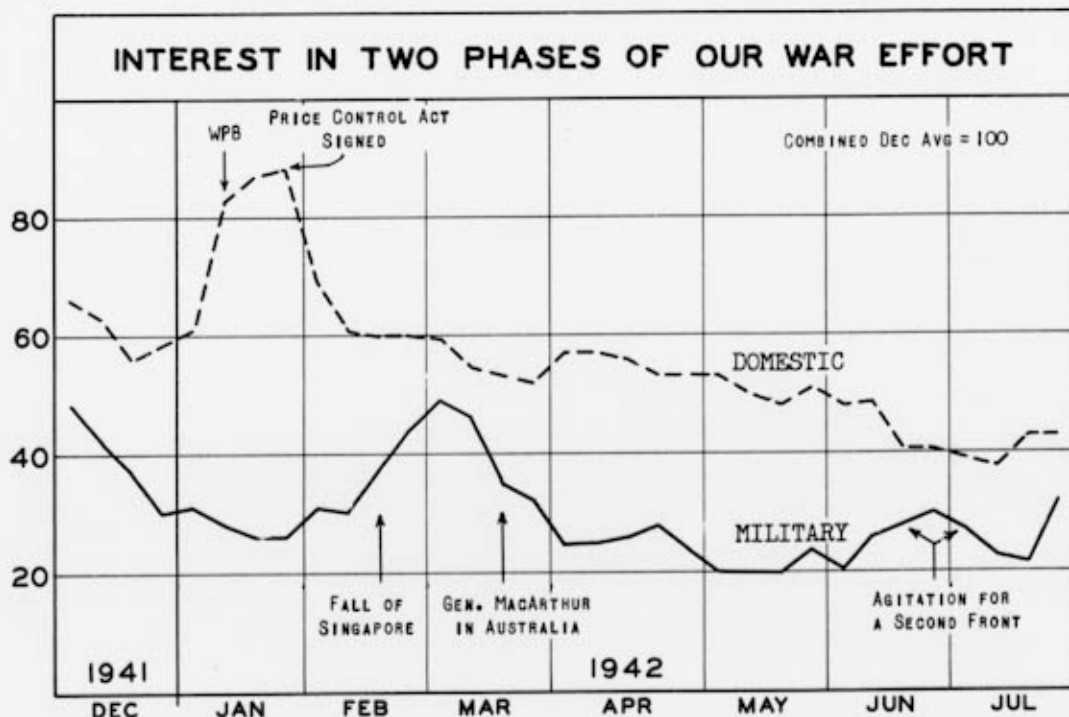
EDITORIAL COMMENT ON OUR MILITARY EFFORT - Tallied from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday.

Source of Information: Statistics and Progress Branch, Control Division - Headquarters, SOS, July 22, 1942

The diagram at the bottom of the page illustrates editorial interest in military and domestic phases of our war effort. Consistently, throughout this whole period, interest in domestic matters connected with the prosecution of the war has been greater than interest in the activities of our fighting forces. The conclusion is inescapable that we, as keepers of the arsenal of democracy, still continue to regard ourselves primarily as producers of munitions and only in a secondary sense as active participants in the fighting.

Until the fall of Singapore on February 15, the assumption was general that the British and the Dutch were in a position to handle the crisis in the Eastern theater and editorial interest concentrated on problems of the reorganization of the production effort and on the danger of inflation. The fall of Singapore threatened to change the relative positions of the two curves, but the transfer of General MacArthur to Australia restored the belief that the Eastern situation was under control.

A change in the relative positions of the two curves may come, and if it does it will indicate a change in editorial attitudes so far-reaching that we shall experience new eruptions of editorial pressure. These cannot be foreseen, but there can be little doubt that they will be both powerful and different in character from previous eruptions.



Weekly Statistical
SUMMARY

Number 149

JULY 30, 1942

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Date- 3-11-59

Signature- *Carl L. Spicer*

**STATISTICS AND PROGRESS BRANCH,
CONTROL DIVISION, HEADQUARTERS,
SERVICES OF SUPPLY, WAR DEPT.**

COPY NUMBER 1

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WEEKLY STATISTICAL SUMMARY
REPORT NO. 149
JULY 30, 1942

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S.O.S. PROCUREMENT

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PART I
S. O. S.
PROCUREMENT

TEXT SUMMARY - ORDNANCE DEPARTMENT - JULY 30, 1942

Source of Information: Ordnance Department and Statistics and Progress Branch,
Control Division, Headquarters, SOS

SMALL ARMS PROGRAM

The present status and the rate of development of the small arms program is indicated below. The ultimate figures are the monthly goals which are planned in the effort to reach objectives and the dates when these goals are expected to be met are as indicated.

	Rounds of Small Arms Ammunition	Cal.50 Machine Guns	Cal.30 Machine Guns	Shoulder Rifles	Sub-Machine Guns
Apr	613,000,000	22,480	20,231	102,761	54,340
May	766,000,000	29,789	23,012	117,761	56,384
Jun	875,000,000	29,425	25,018	130,243	57,200
Ultimate	2,574,300,000	61,475	32,300	798,000	103,500
To be attained	Jul '43	Apr '43	Feb '43	Feb '43	Jan '43

In some instances 1942 objectives will not be met due to material shortages and insufficient time to tool facilities. There are other cases where requirements have been reduced and planned production will be in excess. The situation is being studied and efforts are being made to balance production.

TANKS AND OTHER COMBAT VEHICLES

The tabulation below indicates by dollar value the progress which has been made in the output of tanks and other combat vehicles since the beginning of the year.

Jan	\$ 78,000,000	Apr	\$ 112,000,000
Feb	82,500,000	May	124,000,000
Mar	87,500,000	Jun	141,000,000
Total:		\$ 625,000,000	

This total is approximately 21 percent of the three billion dollar estimated value of the 1942 tank and combat vehicle program. The supply of certain critical materials will govern this program more and more; thus the monthly output may not increase as rapidly as in the past. If production continued at the June rate, approximately half of the 1942 requirements would be met.

4,000 POUND BOMBS

It is estimated that one 4,000 pound bomb will destroy an entire city block. It was reported that on July 26 in the British raid over Duisburg, the German railway and shipping center, more than 50 of these bombs were dropped. The total objective for this bomb is 2,000; and during the first six months of this year 2,061 have been produced in the United States.

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SMALL ARMS AMMUNITION PRODUCTION - LIMITATION BY COPPER - JULY 15, 1942

Source of Information: Ordnance Department

The copper supply continues to limit the output of small arms ammunition. The effect of the copper shortage for the month of June is indicated in the tabulation below. During that month it is estimated that 209 millions of rounds of this ammunition were lost due to this shortage. This quantity is exclusive of Canadian production and also the production of special types such as caliber .22 and .32.

Item	Rated June Capacity (Millions)	June Production (Millions)	Percent of June Capacity Produced						
				0	20	40	60	80	100
Cal..30 (Rifle & MG)	736	592	80						
Cal..30 (Carbine)	2	2	100						
Cal..45	68	59	87						
Cal..303	50	49	98						
Cal..50	173	123	71						
7.92 mm	15	10	67						
Total	1,044	835	80						

Predictions on future production of small arms ammunition are not dependable due to lack of information regarding future copper allocation.

The future of the small arms ammunition program depends to a large degree on the success of the substitution of steel in lieu of brass in small arms ammunition components. Definite progress is being made in the saving of copper by substitution. Orders have been placed for steel bullet jacket cups in sufficient quantities to meet the full caliber .45 production requirements. Initial deliveries by two contractors have been made for gilding metal clad steel bullet jacket cups for caliber .30 and .50 ammunition.

The main difficulty in the development of steel cartridge cases has been the obtaining of steel with uniform metallurgical qualities. It is believed that this problem can be met. Orders have been placed at Frankford Arsenal for caliber .45 steel cartridge case cups with deliveries planned at the rate of 350,000 per day. Experimental work on caliber .45 steel cases at other establishments is under way. A line for the manufacture of caliber .30 steel cases is being installed at Frankford Arsenal. Progress is also being made in the adaptation of caliber .50 steel cases to large-scale production.

ARTILLERY AND COMBAT VEHICLES - LIMITING FACTORS - JULY 20, 1942

Source of Information: Ordnance Department

Tabulated below are items of artillery and combat vehicles, the production of which is to be accelerated by all possible means. The items and the limiting factors are those indicated on the Ordnance Department Short List of July 15, 1942.

Item	1942 Production		Limiting Components Which Must be Expedited
	Required	Thru July 20	
<u>ARTILLERY</u>			
37mm AA gun, M1A2	3,500	696	Mechanism, M1A2 Oil gears for remote control system, M1
37mm AT gun, M3	14,461	5,005	Carriage, M4
40mm AA gun, M1	11,100	1,603	Carriage Oil gears for remote control systems, M3 and M5
57mm AT gun, M1	1,059	705	Gun, M1 Recoil mechanism, M1
75mm pack howitzer	1,213	244	Howitzer, 75mm, M1A1
90mm AA gun, M1 & M1A1	2,750	920	Gun, M1 Mount, telescope, M28 Mount, M1A1 Remote control system, M2 Instrument, observation, AA, BC M1
155mm gun, M1	458	230	Gun, M1
8" howitzer, M1	156	1	Carriage, M1
240mm howitzer, M1	72	0	Carriage, M1 Recoil mechanism, M8
<u>TANK AND COMBAT VEHICLES</u>			
Light tank, M3, M3A1, M5	10,588	3,647	Transmission, M5 Generator, engine Motor generator set for M3A1 and M5 only All armor castings Gun mount, M23 Mechanism, gun, hand traversing M3
Medium tank, M3 and M4	14,000	5,270	Transmission All armor castings Cast turret rings (machining) for M4 only Armor plate, homogeneous Top carriage (gun mount) M25 Mount pedestal for M25 gun mount Shield and armor plate (face hardened)
37mm gun motor carriage, M6	2,539	1,067	Howitzer, 75mm, M1A1 Armor plate, rolled, face hardened Top carriage, T10
75mm howitzer (SP)	1,839	231	Armor plate, homogeneous
105mm howitzer (SP), M7	2,782	514	Armor plate, homogeneous

TABULAR SUMMARY - STATUS OF SELECTED ORDNANCE ITEMS ON ARMY SUPPLY PROGRAM - JULY 20, 1942

Source of Information: Ordnance Department

EQUIPMENT -

Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated		
				Jan 1 - Jul 20	Apr	May	Jun	Jul 1- 20	Jul	Aug	Sep
COMBAT VEHICLES											
Personnel carrier, M2, M3 & M4	32,639	29,903	9,183	4,434	418	588	433	330	625	1,029	1,287
Armored cars (all)	22,170	16,860	8,937	0	0	0	0	0	0	10	205
Tank, light	24,572	24,572	10,588	3,647	550	651	771	506	865	1,114	1,365
Tank, medium	40,692	40,692	14,000	5,270	817	903	965	707	1,142	1,760	2,230
SMALL ARMS											
Rifle, cal.30, M1	1,255,949	1,205,949	983,376	340,831	53,280	58,481	58,980	40,320	60,000	60,500	62,000
Carbine, cal.30, M1	1,658,458	1,607,243	2,015,901	2,169	0	0	362	1,787	3,500	9,200	24,250
Rifle, cal.30, M1903	1,711,103	707,551	264,931	156,449	25,982	29,470	32,162	18,902	31,000	31,000	36,000
Machine gun, cal.30, AC	236,666	159,345	114,957	52,851	9,221	9,737	10,090	7,606	10,100	11,100	9,700
Machine gun, cal.30 (Var.)	446,609	446,609	132,850	70,673	11,010	13,335	15,211	6,450	17,550	18,900	20,320
Submachine gun, cal.45	1,619,102	1,583,552	976,183	320,384	54,340	56,384	57,204	18,865	60,000	60,000	83,000
Pistol, cal.45, M1911A1	977,135	545,248	305,627	45,308	5,800	8,224	11,100	6,484	11,300	14,750	19,750
Machine gun, cal.50, AC	535,840	454,235	188,488	109,263	15,806	20,495	20,730	12,011	22,255	23,200	24,700
Machine gun, cal.50, AA	62,444	62,444	32,436	19,515	3,335	4,144	4,946	2,273	4,925	5,025	4,825
Machine gun, cal.50, HB	121,400	121,400	73,459	17,885	3,339	3,150	3,746	2,235	3,650	4,650	5,450
ARTILLERY											
Gun, 20mm, AC	181,705	141,622	41,710	30,069	4,738	6,295	6,282	3,611	6,000	6,000	6,000
Gun, 37mm, AC	14,516	14,516	4,983	2,425	400	425	463	270	570	660	715
Gun, 37mm, AA	2,673	6,873	3,500	696	83	150	203	139	250	260	300
Gun, 37mm, tank, M5 & M6	67,201	66,762	19,763	11,122	1,782	1,896	2,006	1,124	2,450	2,450	2,450
Gun, 37mm, AT wheeled & SP	25,511	22,216	17,000	6,072	752	1,159	1,384	901	2,400	1,800	2,000
Gun, 40mm, AA, M1	15,730	15,730	11,100	1,603	65	428	589	456	800	1,100	1,500
Mortar, 60mm	17,442	17,442	3,729	2,907	323	202	854	202	600	500	1,000
How., 75mm, SP, field & pack	4,668	5,146	3,052	539	134	54	48	54	75	65	255
Gun, 75mm tank	45,121	44,849	14,190	8,106	922	1,288	2,415	1,504	2,491	2,606	3,050
Gun, 75mm, AT, SP	2,202	2,116	50	809	218	206	178	105	109	68	100
Gun, 3", AT, wheeled & SP	7,519	4,605	5,378	0	0	0	0	0	0	5	65
Mortar, 81mm	8,741	8,741	3,720	2,507	281	320	652	370	514	536	600
Gun, 90mm, AA	7,268	8,124	2,750	920	137	171	178	162	214	261	377
Howitzer, 105mm, wheeled & SP	7,992	9,793	5,817	2,937	648	389	184	370	705	581	474
Gun, 155mm, M1	765	465	458	230	31	35	37	19	40	45	50

AMMUNITION
(Figures in thousands)

Item	Author- ized *	Under con- tract *	Req'd prod. 1942	Accepted					Estimated			
				Jan 1 - Jul 20	Apr	May	Jun	Jul 1 - 20	Jul	Aug	Sep	
BOMBS												
Bomb, GP, 100#	(a)	6,240	5,468	1,897	753	137	180	38	42	59	80	100
Bomb, GP, 250#, 300#	(a)	4,921	4,000	1,252	266	44	40	23	35	59	80	100
Bomb, GP, 500#	(a)	1,899	1,509	815	295	46	31	54	35	35	35	50
Bomb, GP, 1000#	(a)	1,314	932	724	36	2	8	8	8	15	18	25
Bomb, GP, 2000#	(a)	191	191	38	3	0	0	0	0	1	5	6
SMALL ARMS												
Cartridge, cal.30	**	16,563	15,786	6,342	2,632	417	521	592	428	638	685	739
Cartridge, cal.45	**	6,902	6,752	3,199	400	74	66	59	45	82	95	109
Cartridge, cal.50	**	5,703	5,547	2,279	470	58	99	124	94	138	172	194
ARTILLERY												
Cartridge, 20mm, AC	**	125,575	97,495	43,508	3,304	889	696	1,138	549	7,467	9,900	11,600
Shell, HE, 37mm, AC		12,486	9,510	1,628	966	49	165	9	54	160	200	200
Shell, HE, 37mm, AA		17,255	14,868	5,105	4,625	534	485	780	457	633	400	0
Shell, HE, 37mm, T & AT		52,268	21,706	12,377	3,021	466	705	656	688	1,467	1,500	1,500
Shell, HE, 40mm, AA		70,989	28,918	20,653	1,366	153	621	196	138	272	300	500
Shell, HE, 75mm gun		23,138	9,725	10,594	3,055	596	460	608	330	747	575	750
Shell, HE, 75mm howitzer		15,442	11,319	6,748	3,316	505	659	562	623	232	625	705
Shell, HE, 90mm, AA		12,095	10,417	5,866	1,330	177	300	292	233	280	600	700
Shell, HE, 105mm howitzer		32,856	28,360	10,855	4,758	752	554	706	927	802	757	865
Shell, HE, 155mm gun		1,323	1,296	1,062	117	0	0	0	30	55	100	100
MISCELLANEOUS												
Shell, HE, 60mm mortar		28,969	28,299	9,159	4,298	1,120	818	532	278	780	850	800
Shell, HE, 81mm mortar		7,943	7,694	4,402	1,915	465	396	0	259	414	550	500
Mine, antitank		6,035	6,026	2,450	1,102	203	478	198	48	0	0	96

(a) Unfused.

* Quantity accepted prior to January 1, 1942 has been excluded.

** Figures in millions.

Figures include procurement for International Aid and other services.

TEXT SUMMARY - SIGNAL CORPS PROCUREMENT - JULY 30, 1942

Source of Information: Office of the Chief Signal Officer, Statistical Section, Materiel Division, Procurement Branch.

AIRCRAFT SIGNAL EQUIPMENT - ARMY AIR FORCES

The "Synchronization Schedule - Aircraft and Aircraft Signal Equipment" report, as of June 30, 1942, reveals that for the most part initial requirements of signal equipment for all aircraft under procurement by the Army Air Forces are being met. Acceptances of signal equipment, however, are not sufficient in all cases to meet total requirements, including maintenance.

Quantities of aircraft signal equipment to be procured by the Signal Corps are determined by requirements of all aircraft under procurement. Since requirements of signal equipment have been subject to frequent changes, both as to quantities and types, the procurement problems are necessarily varied. These problems may be summed up in three categories:

1. Specifications: The Army Air Forces has recently indicated that about January 1, 1943, the SCR-183 and SCR-283, the command sets now in greatest use, will be superseded by SCR-274-N, a high frequency command set designed for air-to-air or air-to-ground communication for distances up to approximately 100 miles. The SCR-274-N, of which 75,458 have already been awarded, may become the sole command set to be installed in medium and heavy bombers. Recent Letters of Intent for the older sets awarded to the Western Electric Company, have been cancelled, although contracts with Philco, a new supplier, will probably not be abrogated. A stock pile of the SCR-183 and SCR-283 will thus be accumulated. In 1943 the SCR 274-N will be supplied with a very high frequency component which will enable it to communicate with the SCR-522, the command set now being installed in pursuit planes.

Another change in specifications by the Army Air Forces has been to convert the voltage in a substantial number of planes now generating a 12 volt power supply to 24 volts. This change will be effected as soon as possible, or about January 1, 1943. One result of the attempt to standardize voltage in this manner will be the replacement of the Marker Beacon RC-39 and the SCR-187, a liaison set with the Marker Beacon RC-43 and the SCR-287 respectively.

2. Maintenance: The maintenance problem has absorbed much of the attention of the Army Air Forces and the Office of the Chief Signal Officer. The maintenance factor has varied in recent calculations from a low of 25% to a high of 100%. It is now being stabilized, and it is expected that 40% will be the figure agreed upon for future contracts.

3. Components and Spare Parts: This interrelated problem has required great effort by the Signal Corps in satisfying the various requirements of procurement. It is best illustrated in the case of the SCR-274-N, in which many combinations of the receiver and transmitter components may be employed to meet the tactical needs of the using plane. Furthermore, several or all of the components may be diverted for use as spare parts in other planes. General Electric as well as several other contractors, have emphasized the fact that they have sufficient material to produce either complete sets now on order or spare parts, but cannot produce both under present conditions.

**TABULAR SUMMARY - STATUS OF SELECTED SIGNAL CORPS ITEMS ON ARMY SUPPLY PROGRAM-
JULY 22, 1942**

Source of Information: Office of the Chief Signal Officer, Materiel Division,
Procurement Branch, Statistical Section

Item	Author- ized *	Under contract *	Req'd prod. 1942	Accepted				Estimated			
				Jan 1- Jul 22	Apr	May	Jun	Jul 1-22	Jul	Aug	Sep
<u>AIRCRAFT RADIO COMMUNICATION AND NAVIGATION EQUIPMENT</u>											
Frequency Meter SCR-211	85,620	80,412	51,452	10,896	2,684	2,056	2,517	1,616	5,100	4,500	5,300
Interphone Equipment RC-36	69,981	69,981	45,456	8,902	1,608	2,318	3,025	1,072	2,500	3,000	3,600
Command Radio											
SCR-274	120,221	72,736	96,131	14,288	1,738	2,742	4,205	1,695	3,200	3,700	5,300
SCR-522	66,479	37,094	55,915	2,635	501	501	624	998	3,500	4,200	4,500
Liaison Radio SCR-287	65,582	62,832	38,895	4,765	1,054	985	1,128	562	800	800	1,240
Marker Beacon Equipment RC-45	67,358	65,790	39,124	27,645	7,026	7,190	5,177	3,716	6,000	6,000	6,500
Radio Compass SCR-269	74,276	74,164	42,895	9,581	455	632	3,525	1,556	3,500	4,000	4,400
Absolute Altimeter SCR-518, SCR-618	40,542	22,995	17,600	415	0	0	155	258	500	750	1,000
<u>WIRE COMMUNICATION EQUIPMENT</u>											
Reel Equipment CE-11	61,255	35,669	26,777	26,559	12,451	4,149	6,559	5,200	5,000	5,000	2,510
Switchboard BD-71	18,855	8,514	2,527	1,017	0	371	298	66	200	200	500
Telegraph Set TG-5	27,507	12,441	9,013	3,856	526	1,122	556	127	500	1,000	2,000
Telephone EX-8-A	541,565	280,557	135,876	65,675	1,810	5,796	13,592	18,229	25,000	25,000	50,000
Telephone Central Office Set TC-4	2,342	645	1,578	0	0	0	0	0	10	20	50
Wire W-110 (Thous. Miles)	1,510	1,100	367	370	66	115	54	40	65	88	08
Wire W-150 (Miles)	133,725	113,899	60,218	41,581	7,151	11,040	8,747	6,558	10,000	10,000	20,000
<u>GROUND RADIO COMMUNICATION RADIO SETS</u>											
<u>Ground-Air Liaison and Army, Corps and Division Communication</u>											
SCR-188	5,067	2,652	2,407	220	0	40	34	119	250	400	400
SCR-197	160	160		51	0	0	0	0	0	50	59
SCR-299	5,283	1,817	2,346	250	104	146	0	0	0	100	250
<u>Intra-Regiment Communication</u>											
SCR-284	37,024	19,681	17,912	1,460	0	0	610	850	1,000	1,500	1,500
SCR-298	1,559	1,559		1,277	189	475	595	77	559	0	0
Short Range Portable SCR-556	28,725	13,453	14,510	9,620	507	3,501	2,238	957	2,500	2,250	0
Short Range Vehicular Field Artillery SCR-610	46,499	24,288	19,248	8,290	0	462	2,503	5,057	5,000	5,000	6,000
<u>Vehicular and Tank Armored Force</u>											
SCR-293 FM Type	872	872		706	61	68	148	118	150	134	0
SCR-508 FM Type III	16,455	16,455	3,799	966	578	0	155	214	200	400	1,000
SCR-506 FM Type II	13,500	13,500	4,755	PRODUCTION STARTS IN NOVEMBER, 1942							
<u>RADIO-AIRCRAFT DETECTION AND RECOGNITION EQUIPMENT</u>											
SCR-268	4,736	4,736	1,797	270	46	7	46	53	80	120	150
SCR-520 AI-10	2,171	2,165	950	4	0	4	0	0	0	97	110
SCR-521 UB-ABV, MK II	7,255	7,249	7,114	1,817	295	211	1,244	0	650	650	365
SCR-555 IR.-IFF, MK II	31,764	16,710	15,000	6,851	768	955	2,813	2,005	4,000	4,000	5,884
<u>MISCELLANEOUS SIGNAL EQUIPMENT</u>											
Charging Set SCR-169	6,222	3,466	2,525	200	0	0	200	0	400	500	500
Signal Lamp Equip. EX-54	3,755	1,985	1,561	559	0	129	0	0	100	200	200
Sound Ranging Set GR-5	195	86	78	27	5	9	5	2	5	5	10
Test Set I-56	28,918	6,867	8,768	700	25	0	0	102	205	100	400

* Quantity delivered prior to January 1, 1942 has been excluded.
Figures include procurement for International Aid and other Services.

SIGNAL CORPS - PROCUREMENT PROGRESS - IMPORTANT AIRCRAFT ITEMS - JULY 22, 1942

Source of Information: Office of the Chief Signal Officer, Materiel Division,
Procurement Branch, Statistical Section

Item	1942 Req'd production	Deliveries Jan 1 - Jul 22			
		Number	%	0	20 40 60 80 100
Marker Beacon Equip. RC-39	2,775	2,952	106		
Marker Beacon Equip. RC-43	39,124	27,645	71		
Command Set SCR-283	4,870	2,990	61		
Interphone Equip. RC-45	2,897	1,574	54		
Identification, Friend or Foe SCR-535	15,000	6,831	46		
Interphone Equip. RC-27	26,634	11,709	44		
Contacto Equip. RC-96	46,384	16,986	37		
Liaison Set SCR-187	2,458	669	27		
Filter Equipment RC-32	183,220	43,368	24		
Radio Compass SCR-269	42,895	9,581	22		
Command Set SCR-183	29,883	6,647	22		
Freq. Meter Set SCR-211	51,452	10,896	21		
Interphone Equip. RC-36	43,456	8,902	20		
Command Set SCR-274	96,131	14,288	15		
Liaison Set SCR-287	38,895	4,763	12		
Interphone Equip. RC-73	15,179	1,628	11		
Command Set SCR-522	53,915	2,633	5		
Sea Rescue Set SCR-578	52,925	1,966	4		
Glider-Aircraft Set SCR-585	15,434	208	1		
Radio Rec. Equip. RC-103	47,820	0	0		

TEXT SUMMARY - CORPS OF ENGINEERS - DEFICIENCIES AND NEW DEVELOPMENTS

Source of Information: Supply Division, Office of the Chief of Engineers

STEEL SHORTAGE

The most pressing problem before the Supply Division today is the serious shortage of steel. Tractors, airplane landing mats, asphalt plants, and other heavy equipment are at the present time facing serious production curtailment which will probably extend into 1943, unless steps are taken immediately to rectify the steel shortage situation.

LABOR SHORTAGE

The shortage of highly skilled technicians is also presenting serious problems in the production of optical and precision instruments.

BAILEY BRIDGES

Progress is being made on the procurement of items for Bailey Bridges. Mr. Digby-Smith, British technician, arrived on Tuesday, July 28th and immediately conferred with officers of this office. Communications and direct conferences with British representatives here had indicated that the 15,000 tons of high strength steel were to be rolled to American sections. It now develops that the steel will probably be rolled to British sections. This introduces a further procurement problem that may be difficult to solve. The problem is being attacked vigorously to determine whether or not the steel companies can prepare the rolls and produce the steel by the scheduled dates promised.

TABULAR SUMMARY - PROCUREMENT STATUS OF SELECTED ITEMS - CORPS OF ENGINEERS
JULY 22, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

Item		Author- ized	Under con- tract	Req'd prod. 1942	Accepted					Estimated		
					Jan 1- Jul 22	Apr	May	Jun	Jul 1-22	Jul	Aug	Sep
Auger, earth, motorized	Troop Equipment	33	33	0	33	7	8	5	0	0	0	0
	Int. Aid	12	12	0	6	0	0	0	0	0	0	0
Balloon, Barrage	Troop Equipment	5,143	5,143	(a)	1,325	(a)	236	401	0	(a)	(a)	(a)
Boat, half, w/ paddles	Troop Equipment	17,275	5,635	3,383	0	0	0	0	0	300	300	1,700
	Int. Aid	1,800	1,800	2,000	0	0	0	0	0	0	0	0
	Others	6,946	6,946	(b)	0	0	0	0	0	0	550	2,370
Boat, power, with trailer	Troop Equipment	279	279	143	107	36	0	0	48	5	25	0
	Theater of Oper.	70	70	(b)	70	4	14	42	10	18	0	0
	Int. Aid	400	100	100	0	0	0	0	0	25	25	46
Boat, reconnaissance	Troop Equipment	7,804	1,550	2,390	0	0	0	0	0	30	0	0
	Int. Aid	180	180	0	0	0	0	0	0	0	90	90
	Others	2,390	420	(b)	0	0	0	0	0	0	0	0
Bridge, steel, port., H-10	Troop Equipment	34	34	27	14	0	0	0	0	(e)	(e)	0
	Theater of Oper.	32	32	(b)	0	0	0	0	0	0	0	0
	Int. Aid	3	3	15	3	0	0	0	0	0	0	0
Bridge, steel, port., H-20	Troop Equipment	57	57	0	49	9	10	0	0	3	0	0
	Theater of Oper.	16	16	(b)	0	0	0	0	0	(e)	(e)	0
Bridge, steel, trestleway	Troop Equipment	115	19	17	11	0	0	7	1	4	0	0
	Int. Aid	5	5	5	0	0	0	0	0	(a)	(a)	0
Compass, lensatic, (thous)	Troop Equipment	130	130	53	107	5	24	24	23	19	19	5
	Others	13	13	(b)	0	0	0	0	0	0	0	13
Compressor, air, motorized	Troop Equipment	1,192	1,192	529	0	0	0	0	0	150	160	170
	Theater of Oper.	200	200	(b)	66	0	0	48	18	0	0	0
	Int. Aid	389	389	149	49	0	0	0	0	12	12	12
	Others	1	1	(b)	1	0	1	0	0	0	0	0
Crane, truck, mounted	Troop Equipment	123	49	75	49	6	14	0	0	0	0	0
	Theater of Oper.	115	115	(b)	32	0	8	12	12	25	25	25
	Int. Aid	106	106	9	6	0	0	0	0	0	0	0
	Others	6	6	(b)	0	0	0	0	0	0	0	0
Duplicating equip. 18"x18"	Troop Equipment	986	986	625	595	0	555	0	0	0	0	0
Electric lig. equip., 3KV	Troop Equipment	1,763	1,763	1,014	389	126	196	67	0	120	120	45
	Theater of Oper.	50	50	(b)	50	0	0	0	0	0	0	0
	Others	367	367	(b)	5	0	5	0	0	0	0	0
Electric lig. equip., 5KV	Troop Equipment	917	917	251	109	0	0	0	0	61	122	21
	Theater of Oper.	1,394	1,394	(b)	621	65	135	113	113	200	200	200
	Int. Aid	222	222	100	163	0	27	0	0	0	0	0
	Others	69	69	(b)	69	0	0	0	0	0	0	0
Explosive, amm. nitr. (tons)	Troop Equipment	1,905	700	1,680	125	45	2	75	0	80	80	(a)
Explosive, TNT (tons)	Troop Equipment	7,500	2,250	4,299	1,301	235	260	213	0	135	135	(a)
Floot, pneumatic	Troop Equipment	6,159	3,964	1,739	706	0	0	445	263	235	0	(a)
	Int. Aid	3,000	3,000	500	2,298	50	230	1,632	366	700	56	0
	Theater of Oper.	500	302	(b)	0	0	0	0	0	0	0	0
	Others	2,160	2,160	(b)	561	0	180	0	381	50	114	0
Grader, road, motorized	Troop Equipment	196	196	103	113	12	49	50	1	20	30	21
	Int. Aid	20	20	0	0	0	0	0	0	0	0	0
Instruments, drawing, field	Troop Equipment	22,288	22,288	10,295	7,901	400	1,618	1,150	3,291	4,250	5,987	1,150
	Int. Aid	153	153	0	153	0	153	0	0	0	0	0

(a) Being developed
 (b) Program developed as needed

(c) Contingent upon receipt of material

TABULAR SUMMARY - PROCUREMENT STATUS OF SELECTED ITEMS - CORPS OF ENGINEERS
JULY 22, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

Item		Author- ized	Under con- tract	Req'd prod. 1942	Accepted					Estimated		
					Jan 1- Jul 22	Apr	May	Jun	Jul 1- 22	Jul	Aug	Sep
Mixer, concrete	Troop Equipment	160	168	172	35	0	0	0	35	60	28	0
	Theater of Oper.	55	55	(a)	55	0	0	33	7	0	0	0
	Int. Aid	62	62	0	42	2	27	15	0	0	20	0
Pontoon, bridge, 10-ton	Troop Equipment	32	32	37	3	0	0	2	1	4	4	1
	Theater of Oper.	5	5	(a)	0	0	0	0	0	(b)	(b)	(b)
	Int. Aid	22	22	12	10	1	1	0	0	(b)	(b)	(b)
Pontoon, bridge, 25-ton	Troop Equipment	50 1/2	50 1/2	57 1/2	18	1	6	0	0	(b)	(b)	(b)
Searchlight, 2 1/2", beach def.	Troop Equipment	126	126	174	126	18	40	20	16	0	0	0
	Theater of Oper.	138	138	(a)	0	0	0	0	0	0	0	0
Searchlight, AA, 60" mobile	Troop Equipment	6,320	6,320	1,436	852	88	128	197	104	75	125	175
	Int. Aid	4,091	4,091	2,165	0	0	0	0	0	0	0	50
	Others	0	0	79	0	0	0	0	0	0	0	0
Semi-trailer, 1500 gal water	Troop Equipment	205	205	435	26	0	0	1	27	72	80	53
	Theater of Oper.	50	50	(a)	50	0	0	11	39	28	0	0
Shovel, gasoline, 1 1/2-yd.	Troop Equipment	947	927	202	86	13	10	12	9	12	22	24
	Theater of Oper.	150	70	(a)	63	2	6	25	27	24	14	0
	Int. Aid	205	205	0	4	0	4	0	0	5	7	0
Special equip., Aviation	Troop Equipment	26	26	20	10	3	4	1	0	(d)	(d)	7
	Theater of Oper.	113	113	(a)	4	0	4	0	0	(d)	(d)	7
Stereocomparagraph equip.	Troop Equipment	138	138	51	130	0	130	0	0	0	0	0
Stereoscope, mirror, w/bin.	Troop Equipment	10,272	4,261	2,474	1,472	0	112	572	205	71	200	200
	Int. Aid	437	437	0	0	0	0	0	0	150	134	0
Tractor, med. w/angledoser	Troop Equipment	634	634	653	138	0	45	72	21	85	210	207
	Theater of Oper.	1,165	1,165	(a)	65	34	1	0	0	260	60	0
	Int. Aid	152	1	315	0	0	0	0	0	0	0	0
Trailer, (light tractor)	Troop Equipment	200	200	165	116	0	0	0	4	48	0	0
Trailer, (medium tractor)	Troop Equipment	1,057	1,057	724	116	0	0	0	116	200	200	0
	Theater of Oper.	485	485	(a)	64	0	0	0	65	0	0	0
	Int. Aid	30	30	0	30	0	0	0	6	0	0	0
	Others	750	750	(a)	0	0	0	0	0	0	0	70
Trailer, 60" searchlight	Troop Equipment	2,648	2,648	925	2,648	100	685	112	153	0	0	0
	Int. Aid	4,790	2,165	2,165	0	0	0	0	0	0	0	0
	Others	0	0	79	0	0	0	0	0	0	0	0
Trailer, (triangul. tower)	Troop Equipment	71	71	47	71	0	0	12	59	39	0	0
Transit, Engineers, 1-min.	Troop Equipment	1,824	1,824	806	565	63	44	191	109	100	100	96
	Int. Aid	140	140	0	30	0	0	0	0	0	0	39
	Others	400	400	(a)	0	0	0	0	0	0	0	0
Transit, Engineers, 20-sec.	Troop Equipment	2,149	539	421	539	100	72	67	0	0	0	0
	Int. Aid	213	213	0	96	0	60	12	24	12	12	12
Triangulation tower, port.	Troop Equipment	36	36	24	36	10	0	16	0	0	0	0
Water purif. unit, mobile	Troop Equipment	319	319	42	32	10	12	2	0	12	0	0
	Theater of Oper.	175	175	(a)	50	18	0	22	8	20	20	20
	Int. Aid	20	20	20	0	0	0	0	0	0	0	0
Water Supply equip., Engineer	Troop Equipment	1,880	1,430	138	18	0	0	0	0	0	0	0
	Theater of Oper.	1,130	1,130	(a)	543	66	133	118	92	150	155	155
	Int. Aid	100	100	100	0	0	0	0	0	0	0	0
Welding & cutting set	Troop Equipment	350	350	203	343	50	273	40	0	0	0	0
	Theater of Oper.	50	50	(a)	50	50	0	0	0	0	0	0
	Int. Aid	24	24	0	4	0	0	0	0	0	0	0
	Others	573	573	(a)	249	102	0	0	147	0	60	61

(a) Program developed as needed

(b) Contingent upon receipt of material

(c) Includes 293 for Seacoast Defense

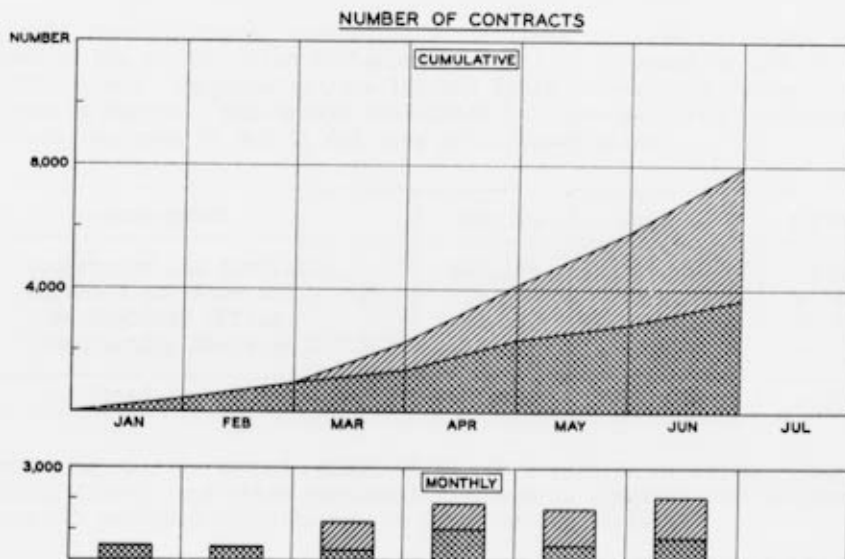
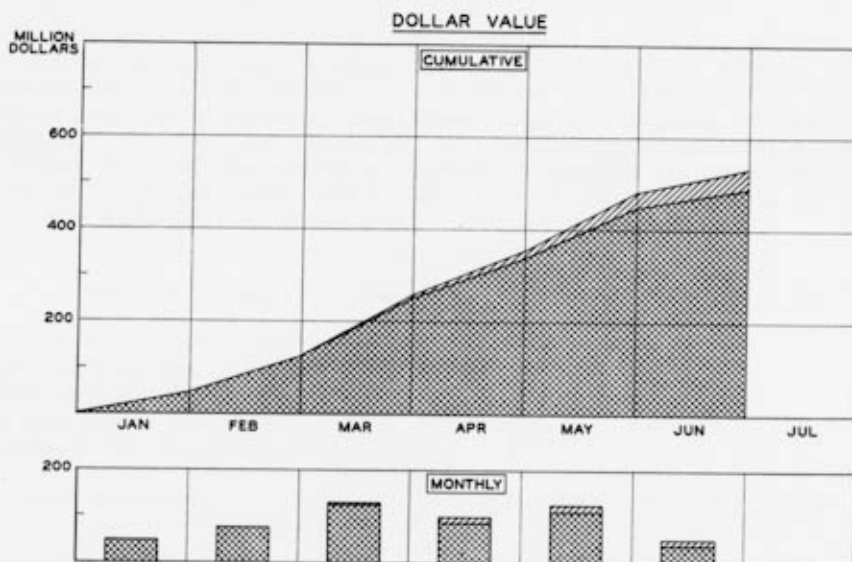
(d) Schedule being developed

(e) Includes 2,025, for 1943 requirements

STATUS OF CONTRACT AWARDS - JUNE 30, 1942

Source of Information: Supply Division, Office of the Chief of Engineers

OFFICE, CHIEF OF ENGINEERS  FIELD PROCUREMENT 



CONSTRUCTION PROGRESS - JUNE 30, 1942

Source of Information: Construction Division, Corps of Engineers

CONTRACT STATUS

During the month of June, 1,054 contracts at a value of \$291,104,000 were awarded or approved, bringing the total through June, 1942, to 8,095 contracts valued at \$4,397,382,000. Contracts are classified in four groups: Advertised Lump-Sum Contracts, Negotiated Lump-Sum Contracts, Fixed-Fee Construction Contracts, and Fixed-Fee Architect-Engineer Contracts. Contracts and dollar value of the contracts awarded or approved in June, and the cumulative number of contracts and dollar value of these contracts for the four groups are shown in the table below:

Type of Contract	No. of Contracts Awarded or Approved			
	June		Cumulative	
	No.	Thous \$	No.	Thous \$
Advertised Lump Sum Contracts	231	\$ 67,946	4,321	\$1,457,919
Negotiated Lump Sum Contracts	808	216,439	3,023	826,157
Fixed-Fee Const. Contracts	6	5,912	310	2,009,712
Fixed-Fee Arch.-Eng. Contracts	9	807	441	103,594
Total Contracts	1,054	\$291,104	8,095	\$4,397,382

EMPLOYMENT

On June 30, there were 870,412 civilians employed under the emergency program of the Construction Division. This is an increase of 104,940 persons over the number employed on June 15, and 179,255 over the number of persons employed on May 31. Employment classified into groups, with total number of civilians employed on May 31 and June 30 is shown below:

Employment	May 31	June 30	Difference
1. Contractor and Arch.-Eng.	627,174	797,484	+170,310
2. Purchase and Hire and W.P.A.	20,870	25,768	+ 4,898
3. Area Engineer Office	41,032	45,102	+ 4,070
4. Construction Division O.C.E.1/	2,081	2,058	- 23
Total	691,157	870,412	+179,255

1/ Represents only personnel assigned to Construction Division. Does not include fiscal and other personnel performing Construction Division functions not assigned directly to the Construction Division.

TEXT SUMMARY - C. W. S. - STATUS JULY 24, 1942

Source of Information: Chemical Warfare Service Progress Reports

IMPREGNITE SHOE: The procurement of Impregnite Shoe was based on the 1942 Expenditure Program and when the current contracts were completed continuity of production was extended at the government-owned plants. Production is greater than the requirements for 1942 but no strategic materials which would impede any other program are being procured.

GAS MASKS: Production of service masks during this week was 66,610. This is approximately 4,000 over last week's production. Every effort is being made at this time to produce over 300,000 masks before the end of August. The conversion program is under way. The diaphragm mask program is progressing, 2,350 being produced this week. Low production is due to the new cellulose acetate diaphragm angletube assembly, not yet being in full production.

CHEMICAL AGENTS: Mustard Gas: Production of Mustard Gas this week is 891.1 tons. One plant at Edgewood Arsenal and four plants at Huntsville are now in production. Two more plants are expected to go into production at Huntsville by the middle of September. There are additional plants under construction which will, when completed, give the Chemical Warfare Service a capacity of approximately 9,000 tons of mustard per month.

Lewisite: Production of the Lewisite for this week is 9.3 tons from the pilot plant at Edgewood Arsenal. The 17 new plants under construction should start production about the first of the year and be in full production by the end of March, 1943. When these plants are at full capacity, the Chemical Warfare Service expects to get approximately 3,050 tons of Lewisite per month.

Screening Smoke, FS: While there is no difficulty in production of FS, a new bottleneck in materials has arisen. Chlorosulfonic Acid, one of the basic components of FS, is also a basic material for Sulpha-drugs. There is a critical shortage of this chemical. Chemical Warfare Service is arranging to give the Medical Corps priority for this particular item. The future production of FS Smoke will depend upon the availability of Chlorosulfonic Acid which is not ear-marked for use by the Medical Corps.

Phosgene, CG: Production of this item is continuing and is being applied against the International Aid requisitions. Negotiations are under way to transfer to U. S. stock the differences which have not been accepted by the British.

INCENDIARY BOMBS: Production of the Magnesium 4-lb. bomb depends upon the allocation of magnesium. Enough magnesium has been allocated to produce about 1,000,000 bombs in August. The monthly capacity of the Chemical Warfare Service facilities for casting and loading Magnesium bombs is about 6,000,000. The production of the 4-lb. Thermate bomb is being slowed down to allow the loading plants to retain their personnel. Magnesium is allocated in sufficiently large quantities to permit full production until incendiary grenades can go into production.

CANISTER, SERVICE AND DIAPHRAGM: The production of 37,722 canisters was accomplished by the assembly plants this week. While these are being reported as extra canisters, in all probability, they will be utilized for converting training masks to service masks as every effort is being made to assemble as many completed masks as possible.

TABULAR SUMMARY - STATUS OF SELECTED C. W. S. ITEMS ON ARMY SUPPLY PROGRAM*
JULY 24, 1942

Source of Information: Chemical Warfare Service

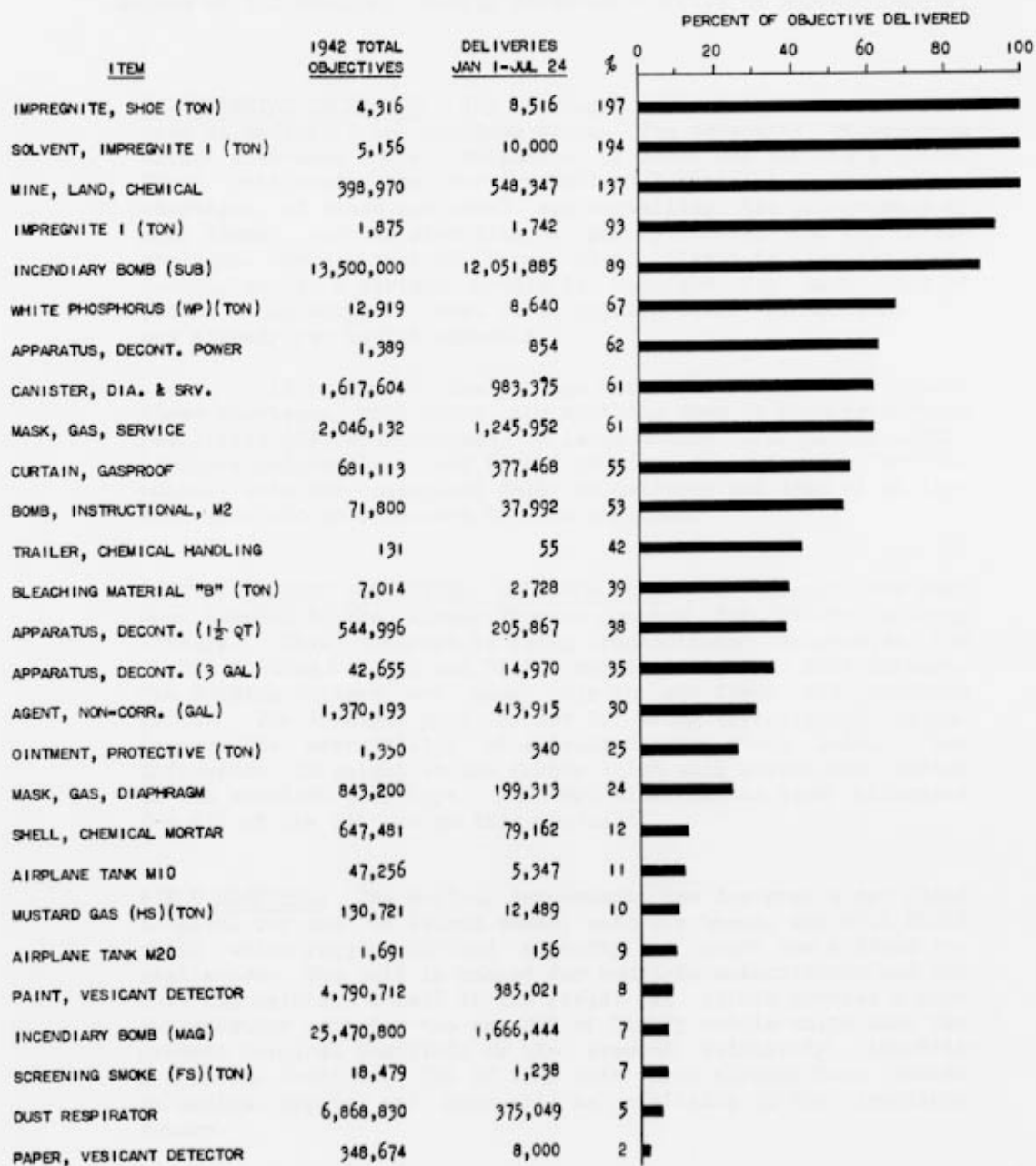
Item	Author- ized**	Under con- tract**	Req'd prod. 1942	Accepted					Estimated		
				Jan 1- Jul 24	Apr	May	Jun	Jul 1-24	Jul	Aug	Sep
CRITICAL											
Agent, Non-Corr. (gal)	2,716,510	2,604,023	1,370,193	413,915	121,718	51,653	100,657	111,539	100,000	115,000	125,000
Apparatus, Decont. Power	4,174	4,174	1,389	854	145	198	231	213	160	160	160
Bleaching Material, "B"	23,317	9,368	7,014	2,728	172	448	737	603	800	800	800
Bomb, Incendiary (Mag)(a)	89,775	35,000	25,471	1,666	233	549	330	440	Depends on Mg delivery		
Bomb, Incendiary (Sub)(a)	13,500	13,500	13,500	12,052	1,784	2,347	3,045	1,938	1,500	1,848	0
Canister, Srv. & Dia.	6,689,418	1,718,099	1,617,604	983,375	173,614	58,805	0	60,022	0	0	240,000
Chemical Agents (tons)											
Lewisite (M1)	58,912	4,912	54,000	145	26	24	28	39	26	26	0
Mustard (M2)	164,498	164,498	130,721	12,484	960	2,437	3,159	3,983	3,000	3,000	3,600
Phosgene (CG)	4,512	3,334	1,081	640	94	0	0	0	0	300	300
Screening Smoke (FS)	18,861	18,861	18,479	1,238	83	0	185	313	200	200	200
Screening Smoke (HC)	3,837	3,837	474	0	0	0	0	0	350	350	350
White Phosphorus (WP)	29,388	16,139	3,830	5,759	421	2,385	1,235	987	Procured as needed		
Mask, Gas, Diaphragm	615,247	634,646	843,200	199,313	30,073	30,763	0	4,670	30,000	60,000	200,000
Mask, Gas, Service	3,965,480	3,861,172	2,046,132	1,245,952	193,327	146,171	201,621	229,161	300,000	300,000	600,000
Tank, Airplane, M10	47,256	47,256	47,256	5,347	1,312	578	859	948	6,160	5,250	6,425
Tank, Airplane, M20	11,290	6,215	1,691	156	112	44	0	0	0	1,000	1,000
Tank, Airplane, M21	11,290	6,115	1,665	156	0	134	22	0	0	0	2,500
ESSENTIAL											
Agent, Simulated (M1, M2)	3,177	3,177	597	2,102	0	700	1,100	302	225	300	500
Alarm, Gas	65,063	48,309	34,138	0	0	0	0	0	0	8,309	10,000
Apparatus, Decont. (1 1/2 qt)	1,327,087	1,015,545	535,328	193,443	33,347	38,400	56,100	9,000	70,000	100,000	100,000
Apparatus, Decont. (3 gal)	153,994	48,735	42,251	14,720	0	0	0	14,720	12,000	12,000	12,000
Bomb, Instructional, M2	96,800	76,300	71,800	37,992	0	0	4,728	33,264	25,000	46,572	0
Brush, Decontaminating	1,311	1,311	1,889	1,311	0	1,111	0	200	0	200	0
Candle, DM	177,758	33,402	44,019	0	0	0	0	0	5,402	7,000	7,000
Cart, Ammunition, 4.2"	1,833	1,613	334	249	0	0	100	149	100	100	200
Container, Steel (1 ton)	283,770	105,167	244,184	12,764	3,167	1,750	2,054	2,486	2,000	4,000	4,000
Curtain, Gasproof	1,661,210	442,353	653,702	345,613	30,248	73,625	40,752	31,237	40,000	40,000	40,000
Cylinder, Portable	53,352	27,262	17,018	0	0	0	0	0	0	5,000	6,510
Generator, Smoke, Veh.	99,774	26,833	51,673	645	0	25	0	620	5,000	8,000	13,808
Impregnite I (shoe ton)	10,634	10,634	1,875	1,692	292	361	387	235	325	325	325
Impregnite, Shoe (ton)	8,400	8,900	4,316	8,516	1,737	1,633	1,157	879	1,157	99	0
Kit, M5, Vapor Det., M4	2,731	2,731	394	0	0	0	0	0	0	0	0
Kit, Repair, Universal M8	15,820	15,820	6,482	0	0	0	0	0	2,500	5,000	5,000
Mask, Gas, Horse, M4	93,434	20,713	28,248	0	0	0	0	0	0	20,713	0
Mask, Gas, Horse, M5	55,091	18,432	29,056	0	0	0	0	0	18,432	0	0
Mine, Land, Chemical	1,411,507	1,451,507	398,970	548,347	0	0	0	5,000	0	68,160	100,000
Mortar, Chemical, 4.2"	2,226	1,906	395	60	0	1	27	32	100	100	200
Ointment, Prot. (ton)	3,751	1,074	1,261	264	48	66	63	53	124	124	124
Paint, Ves., Detector, M5	8,678,544	8,678,544	4,790,712	385,021	0	0	0	385,021	0	500,000	900,000
Paper, Ves., Detector, M6	588,774	588,774	348,674	8,000	0	0	0	8,000	0	40,000	40,000
Plant, Impregnating, M1	74	15	19	0	0	0	0	0	6	8	1
Respirator, Dust (a)	17,952	5,435	6,591	308	4	15	35	236	100	250	500
Set, Accessories, L.P.	513	403	120	3	0	0	0	0	0	10	14
Set, Gas, Detonation	140,074	4,684	59,718	4,684	141	1,546	89	648	648	0	0
Set, Gas, Instructional	16,035	0	7,660	0	0	0	0	0	1,000	1,000	1,000
Shell, Chemical Mortar	3,307,516	2,059,837	647,481	70,220	8,277	13,606	19,749	25,169	20,000	30,000	50,000
Shell, Livens Projector	187,639	147,393	32,268	27,827	0	20,779	0	3,500	0	4,467	5,000
Sight, Chemical Mortar	2,483	2,117	411	370	0	0	350	20	350	375	375
Solvent, Impregnite (ton)	25,267	22,685	5,156	10,000	875	1,034	2,189	2,453	2,000	2,000	2,000

* International Aid and Navy figures not included.
 ** Deliveries prior to January 1, 1942 are excluded.

(a) Figures in thousands

PROCUREMENT PROGRESS - C. W. S. - SELECTED ITEMS - JULY 24, 1942

Source of Information: Chemical Warfare Service



TEXT SUMMARY - MEDICAL DEPARTMENT - FOR WEEK ENDED JULY 30, 1942

Source of Information: Supply Division - Office of Surgeon General

RAW MATERIAL SHORTAGES: The shortages of critical raw materials used in medical items continue acute. The necessity of securing direct clearance of all shipments of brass has seriously interfered with production for the Medical Department. At present, shortages of brass and steel are curtailing the procurement of many items, such as sterilizers, gas cylinders, and hypodermic syringes. Procurement of human blood plasma is seriously affected, since a syringe needle is required for each unit of plasma when shipped. Most firms holding blood plasma contracts are already far behind schedule.

It is feared that unless immediate relief is obtained, these shortages will force the shutting down of more production facilities (Becton-Dickinson, a large manufacturer of hypodermic syringes and needles, was forced to close down in June for this reason) with the consequent delay in delivery and loss of skilled employees who go elsewhere to seek employment.

LITTER, FOLDING AND LITTER, ALUMINUM POLE: A contract has just been awarded to the Zimmer-Thomson Company for 75,000 Folding Litters. This contract is being renegotiated to provide for 25,000 Folding Litters and 50,000 straight Aluminum Pole Litters. The Folding Litters are used only in air force and mountain units. The straight pole litter is being investigated to determine the advisability of substituting a steel pole. The difference in weight is the factor which will govern the choice of the straight pole type. However, aluminum has been allocated for all of the litters on this contract.

FIELD HOSPITAL: The Medical Department has designed a new field hospital for use in island bases, with air bases, and with field units which require 380-bed capacity but cannot use a fixed installation. The unit is packed for complete motorization and can move and maintain itself in the field. It should provide a more satisfactory unit for the support of highly mobile units than the present Surgical Hospital, or the present relatively immobile Evacuation Hospital. Ten of this unit have already been packed in medical depots, and more will be available in the immediate future.

MEDICAL DEPARTMENT - PRODUCTION DIFFICULTIES, SELECTED FIELD ITEMS - JULY 23, 1942

Source of Information: Supply Division, Office of the Surgeon General

The tabulation below presents an analysis of the required production and deliveries of a selected group of items of field equipment. Although four of these items are ahead of contractual schedules, deliveries do not account for an adequate portion of the required production. The difficulties encountered may be classified into four general categories:

- A. Shortage of raw materials
- B. Shortage of component parts (semi-finished)
- C. Shortage of skilled labor
- D. Changes in specifications

The checks in the last four columns of the tabulation refer to the difficulties listed above.

Particular note should be made that a shortage of meters is responsible for curtailed production of the complete field x-ray unit, and that sufficient aluminum has been allocated to meet the requirements for litters.

Item	Required 1942 production	Due	De- livered	Percent of 1942 Req. Prod.		Procurement difficulties			
				Due	Del	A	B	C	D
Chair, dental, field	5,366	600	48	11	1				x
X-ray, Field, Unit:									
Complete	2,335	642	868	27	37		x		
Generator, gasoline	1,233	392	464	32	38	x			
Grid, portable	1,076	510	510	47	47	x			
Chest, MD, X-1	2,124	472	780	22	37	x			
Processing unit, darkroom	1,151	243	443	21	38	x			
Table unit	1,212	211	111	17	9		x		
Tent, darkroom	690	409	121	59	18	x			
Chest, field, modified	0	2,353	1,033	-	-		x		
Carrier, field, collapsible	1,380	0	0	0	0				x
Litter, folding	1,990	1,999	109	100	5				x
Sterilizer, dressing and utensil, large	678	715	495	105	73	x		x	
Sterilizer, instrument, 17"	7,513	2,190	2,190	29	29	x		x	
Unit, power, electric	1,370	411	322	30	24	x			

TABULAR SUMMARY - STATUS OF SELECTED MEDICAL DEPARTMENT ITEMS ON ARMY SUPPLY PROGRAM - JULY 23, 1942

Source of Information: Supply Division - Office of the Surgeon General

Item	Author- ized	Under con- tract	Req'd prod. 1942	Delivered					Estimated		
				Jan 1- Jul 23	Apr	May	Jun	Jul 1-23	Jul	Aug	Sep
SURGICAL DRESSINGS											
Bandage, gauze, roller, 3"	833,247	269,240	931,424	294,343	7,360	49,728	132,820	50,662	100,700	52,366	50,000
Packet, first aide	6,874	3,157	3,458	1,161	535	115	240	221	0	0	62
SURGICAL INSTRUMENTS											
Chisel, bone, osteotome, 12mm	2,866	2,142	2,642	1,380	786	0	0	609	0	200	270
Forceps, dressing, 5 1/2"	157,888	146,490	413,824	117,513	22,921	31,499	22,845	2,028	54,985	17,005	5,241
Forceps, dressing, Boman, cur.	35,023	24,698	48,295	25,205	1	0	0	309	118	0	0
Forceps, hemostatic, Halstead	72,079	35,973	53,773	16,348	5,420	1,284	44	1,808	0	4,000	5,241
Forceps, hemostatic, Hankin-Kelly	198,008	109,273	378,347	45,722	2,226	2,436	6,350	5,305	16,349	17,300	27,500
Forceps, mastoid, rongeur, Bane	21,439	20,135	15,710	4,648	1,165	1,331	2,400	694	5,100	2,000	2,000
Forceps, towel, 5 1/2"	32,770	19,824	45,108	97,504	8,510	3,024	2,834	0	2,250	0	0
Holder, needle, Hegar-Mayo	77,354	12,676	95,061	50	8,653	15,000	25,732	0	43,626	3,534	0
Knife, operating, 1 1/4" blade	24,600	24,600	9,240	14,856	24	3,092	0	5,733	0	3,000	3,200
Scissors, bandage	201,896	212,972	184,134	116,039	21,661	20,493	13,951	23,700	36,594	15,000	15,012
Shears, plaster Paris	4,575	2,067	40,569	1,937	448	984	285	0	100	0	0
SURGICAL APPLIANCES											
Anesthesia apparatus, N ₂ O	946	1,196	1,681	48	0	4	0	24	78	250	200
Perimeter	833	611	833	247	46	159	46	42	100	110	110
Splint, Thomas, arm, hinged	88,537	76,413	88,537	74,656	20,775	10,895	12,024	6,163	22,892	5,720	0
Splint, Army, leg, 4-ring	99,627	93,437	53,037	31,424	5,588	3,438	4,728	5,795	0	14,153	15,092
Syringe, hypodermic, complete	12,249	2,507	7,841	1,850	200	800	850	0	507	0	0
Syringe, Luer, needle, 23 ga., 1" can.	110,888	285,782	203,234	178,853	41,344	63,768	50,026	18,598	120,538	83,232	0
LABORATORY EQUIPMENT											
Incubator, bacteriological, 37 1/2°C	599	279	1,333	252	30	114	83	18	0	0	0
Microscope	2,174	2,174	5,610	1,399	327	100	226	250	170	156	160
DENTAL EQUIPMENT											
Compressor unit, 12 gal. tank	506	494	382	251	25	0	0	0	30	60	60
Chair, dental, field	5,271	7,871	5,366	48	0	0	0	48	1,200	598	225
X-RAY EQUIPMENT											
Machine, radiographic, 200ma	481	494	604	156	78	39	10	30	19	37	17
X-ray, field, generator	1,041	914	1,233	464	78	149	105	77	164	50	46
X-ray, field, mobile unit	1,839	1,629	2,335	868	208	150	0	119	82	92	92
Chest, M.D., no. 1-1	1,157	1,057	2,124	780	195	53	0	119	0	0	100
HOSPITAL EQUIPMENT											
Cylinder, O ₂ , 1500 gallon, empty	47,067	48,357	8,362	48	0	0	0	0	5,000	3,500	3,500
Sterilizer, hospital, complete	256	244	676	202	22	13	4	0	4	16	1
Sterilizer, hospital, utensil	5,136	5,471	11,324	4,423	741	1,290	463	63	635	81	0
OTHER FIELD EQUIPMENT											
Chest, field, plain	16,518	139,504	10,360	10,360	75	0	5,511	7,459	7,723	5,035	0
Unit, power, electric	1,689	1,648	1,370	322	53	75	83	41	0	160	160

*Figures in thousands.

TEXT SUMMARY - QUARTERMASTER BASIC ITEMS OF SUPPLY - JULY 28, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

SPECIAL EQUIPMENT

Recent actions to equip a certain authorized number of troops for jungle warfare will partially divert certain contracts for the purpose of securing delivery of the required special items within 60 to 90 days. The effects on production of regular items will not be important owing to the relatively small size of the special orders. Designs for these have been completed, tentative specifications drawn up, and all possible means of expediting production taken. A further development is the rushing of experimental work on special clothing and equipment for amphibian troops and desert warfare.

PROGRESS OF SELECTED ITEMS

Twelve of 35 Clothing, Equipage, and General Supply items selected for statistical summarization at the end of this section failed by July 15th to meet 50 percent of the Army Supply Program net requirements for December 31, 1942. Five of these 12 are textually reviewed this week. They are Leggings, canvas, dismounted; Liners, helmet, steel, M-1; Mittens, asbestos; Raincoats; and Containers, water, 5-gallon.

Major causes for the failure of deliveries of these five items to meet 50 percent of the full 1942 requirements, or for four of them to meet delivery schedules, by the middle of the year, were:

- a. The non-adaptability of certain original specifications, already revised or in process of revision, to changed production conditions or growing shortages of materials.
- b. Shortages of materials (largely metals).
- c. Delays, largely occasioned by too-low priority ratings in obtaining new equipment, in converting, or in transferring existing equipment to contractors' plants.
- d. Difficulty in training skilled labor.

CONTAINERS, WATER, 5-GALLON

Cumulative deliveries of this item through July 15 were 10 percent of the 1942 production objective and 24 percent of schedules to that date. Deliveries during the first half of July were more than double the June deliveries. This increased rate reflects the fact that the welding equipment shortage has been eased by the AA priority rating assigned to this item. All but one of the contractors have now received their equipment, and this one will obtain his welding equipment in August, indicating that production will increase rapidly in the next few months.

RAINCOATS

Cumulative deliveries through July 15 were 36 percent of the full 1942 requirement and 63 percent of schedules to that date. "Coating" problems have been solved by practically all members of the industry, and this should contribute to an improvement in delivery status. Problems connected with cementing seams have also

TEXT SUMMARY - QUARTERMASTER BASIC ITEMS OF SUPPLY - JULY 28, 1942

RAINCOATS (Continued)

largely been worked out by the individual manufacturer, and steps have been taken for those still encountering difficulties to obtain assistance from manufacturers who have successfully solved the cementing problems.

Approval of specifications calling for stitched seams has made an entire group of new companies available for the production of Army raincoats. The use of garment manufacturers will also provide facilities for the production of raincoats from materials still in the development stage. The present procurement of oil treated raincoats has been allotted for the most part to companies of long experience in the production of this type of garment.

MITTENS, ASBESTOS

Delivery figures on this item (150,920 delivered to July 15) place it at 25 percent of full 1942 requirements and 60 percent of schedule to this date. Recent action to alter specifications to permit use of a plain weave fabric in place of a herringbone weave, and the change in priority ratings for asbestos from A-1-j to A-1-b will result in an increased productive capacity of roughly 30 to 40 percent. Included in the revision of specifications is a change permitting the use of a set-in thumb rather than a single cut palm and thumb, and the elimination of one of two asbestos layers by the substitution of a layer of re-worked wool and cotton which provides superior insulation and effects savings in asbestos cloth.

LINERS, HELMET, STEEL

Liner production has increased materially for some contractors. The Office of the Quartermaster General has had a representative in the field aiding contractors by pooling their several experiences. Difficulties in forming molds have been solved through the use of cast molds. Difficulties have been the inexperience of contractors in producing this item, their lack of understanding of the raw materials involved and the best methods of using them, and shortages of some essential raw materials. Close attention is being given to delinquent contractors to effect either deliveries or replacing of contracts.

LEGGINGS, CANVAS, DISMOUNTED

Deliveries to July 15 were 40 percent of full 1942 requirements. The future status depends largely on rapidly equipping and converting, for the production of this item, the plants of those manufacturers presently holding contracts. Shoe manufacturing firms to which contracts have been awarded recently are not equipped for immediate large-scale production of this item. Steps have been taken to investigate the possibility of transferring, and converting if necessary, machinery from factories not currently making this item to the plants of present contract holders. There is now no difficulty being encountered with the prime raw material, and little is anticipated.

TABULAR SUMMARY - STATUS OF SELECTED Q.M. ITEMS ON ARMY SUPPLY PROGRAM - JULY 15, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

	Author- ized **	Under con- tract **	Req'd. 1942	Accepted ***				Estimated ***			
				Jan 1- Jul 15	Apr	May	Jun	Jul 1-15	Jul	Aug	Sep
CLOTHING											
Thou	Thou	Thou									
*Belt, web, waist	12,788	10,788	5,599	4,862,250	539,000	822,500	658,750	602,000	1,035,000	1,500,000	1,640,000
*Caps, wool, knit	6,708	6,708	926	747,564	26	0	321,597	345,755	786,299	1,255,890	77,900
*Leggings, canvas, dimtd.	13,963	13,963	8,826	3,516,813	489,626	545,262	817,216	377,026	1,728,837	1,304,000	1,046,000
*Liners, helmet, steel, M-1	13,567	10,567	7,381	2,354,092	154,084	649,016	646,209	137,133	1,367,959	2,002,000	1,655,000
*Mittens, asbestos	740	640	597	150,920	18,718	17,460	9,062	51,061	45,859	111,000	131,000
Overcoat, wool, o.d.	6,172	6,172	3,367	2,490,847	455,601	355,728	410,368	246,992	196,425	434,150	552,900
*Raincoat, mtd. & dimtd.	8,466	8,466	4,968	1,768,455	303,974	174,574	207,372	155,478	706,349	1,054,500	1,208,232
*Shoes, service (I. low)	23,979	23,979	11,804	17,439,013	2,974,090	3,171,294	3,552,370	1,003,405	2,831,515	3,088,336	1,925,000
*Trousers, cotton, khaki	21,626	21,626	12,868	7,170,139	840,909	1,308,883	1,546,554	1,157,664	1,093,073	1,827,570	1,883,396
Trousers, wool, o.d.	14,837	14,837	12,773	5,849,561	874,802	761,295	1,303,640	836,756	1,780,976	1,710,390	1,957,358
EQUIPAGE											
*Bag, barrack	17,754	17,754	8,963	5,697,768	852,143	979,330	1,640,718	1,151,677	1,601,364	2,309,537	2,109,209
*Bag, canvas, field, o.d.	4,555	4,555	2,616	1,243,714	212,201	206,705	224,155	81,745	100,000	301,957	400,000
*Bar, mosquito	13,252	9,652	5,830	1,396,304	378,998	318,659	365,666	231,283	238,250	300,000	742,350
*Belt, cartridge, dimtd.	4,177	4,177	1,583	1,375,410	220,350	314,020	265,935	108,165	231,420	208,757	1,058,080
*Blanket, wool, o.d.	14,019	14,019	9,278	5,670,197	769,459	963,879	1,151,062	549,130	152,000	742,022	1,264,315
Can, meat	8,857	8,857	5,037	4,078,739	466,688	504,720	602,259	425,576	500,000	610,000	717,764
*Canteen, M-1910	4,145	4,125	3,852	2,091,661	234,200	462,800	367,256	26,350	368,000	400,000	733,000
*Cot, folding, canvas	5,033	5,033	1,593	2,020,099	99,574	400,274	736,424	350,231	1,000,000	399,766	400,000
*Cot, fold., steel & bedstead	3,395	3,395	429	1,784,803	347,774	468,202	256,449	181,865	20,054	195,031	240,000
Cover, canteen, dimtd.	11,826	11,826	6,267	4,465,837	504,296	904,970	1,300,298	488,070	1,740,000	1,299,321	1,300,000
*Haversack, M-1928	6,806	6,806	2,452	1,897,663	218,018	250,599	421,112	330,403	400,000	900,000	1,000,000
*Pouch, first aid	9,890	9,890	5,628	4,372,683	475,175	588,336	1,230,890	567,011	1,749,000	977,302	978,000
*Pulvin, canvas, khaki, sm.	41	52	36	33,210	5,766	7,176	14,064	3,223	14,785	12,000	12,000
*Suspenders, belt	5,653	5,653	2,813	2,011,332	416,400	383,550	505,735	154,207	800,000	662,400	660,000
*Tag, identification, M-41	20,143	20,143	6,628	6,585,910	439,930	1,000,000	2,500,000	1,275,980	4,000,000	5,920,070	4,000,000
*Tents, pyramidal	1,635	1,635	503	291,809	44,827	72,877	92,082	46,243	110,000	120,000	570,000
*Tents, shelter-half	12,993	12,993	5,048	2,155,418	225,134	307,091	728,087	262,833	1,300,000	2,000,000	2,045,000
*Tent, wall, large, w/p/p	45	45	27	15,513	4,684	4,564	2,468	611	1,000	3,329	5,000
*Tent, wall, small, w/p/p	569	569	464	63,797	5,412	10,377	12,814	7,015	13,000	21,000	50,000
GENERAL SUPPLIES											
*Can, galvanized, w/cover	537	537	714	74,872	10,505	25,527	13,809	6,420	14,800	36,585	61,000
*Container, water, 5-gallon	3,213	3,213	1,245	123,074	5,030	26,666	23,112	42,792	10,000	40,000	100,000
Lantern, electric	144	144	143	110,842	28,573	22,084	33,153	895	49,101	0	0
*Range, field	42	42	28	3,399	0	850	46	901	100	400	1,000
Stove, tent	483	483	580	480,114	70,778	56,084	31,040	11,080	101,200	0	0
Table, camp, folding	215	215	72	43,294	4	2,114	23,094	14,190	43,000	23,000	34,000
MOTOR VEHICLES											
Ambulances	2	2	8	2,510	358	161	506	1,002	1,029	1,520	1,520
Motorcycles, solo	17	17	43	19,447	397	3,512	4,975	2,687	4,739	4,720	5,600
Truck, 1/4-ton, 4x4	201	196	131	95,113	17,574	15,411	19,989	12,075	16,700	16,700	16,700
Truck, 1/2 or 3/4-ton, 4x4	24	24	51	28,709	3,504	3,679	4,999	5,165	7,483	7,720	8,480
Truck, 1-1/2-ton, 4x4	21	21	64	28,484	3,503	4,246	4,571	1,337	4,500	4,814	4,850
Truck, 2-1/2-ton	391	356	248	84,445	15,792	9,321	17,014	14,066	22,841	18,444	22,630
Truck, 4-ton, 6x6	2	2	3	2,031	295	371	200	85	368	480	630
Truck, 4-5-ton, tractor, 4x4 w/w	1	1	4	1,450	117	348	191	200	300	300	300
Truck, 5-ton & over	4	4	21	4,039	683	690	615	937	486	2,083	2,183
Semi-trailer, 6-ton, 2-wheel comb. anl. & cargo	1	1	3	376	0	0	0	55	0	0	0
Semi-trailer, 20-ton transp.	1	1	4	406	0	150	182	74	532	200	480
Trailer, 3/4-1-ton, 2wh. cargo	21	21	31	23,182	4,233	8,001	6,415	1,891	6,744	4,400	4,400
Trailer, 40-ton tank transp.	1	1	3	848	136	184	161	42	646	786	490

a/ Complete information on deliveries not available.
 * Figures include procurement for International Aid and Navy.
 ** Quantity delivered prior to January 1, 1942 has been excluded.
 *** For Motor Vehicles only - includes data for Navy, International Aid and other Supply Services.

Q. M. PROCUREMENT - PROGRESS TOWARD 1942 REQUIRED PRODUCTION - JULY 15, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

Item	Required Production 1942	Delivered Jan 1 to Jul 15	Percent of 1942 required production %	0	20	40	60	80	100
CLOTHING									
*Belt, web, waist	5,599,123	4,862,250	87						
Cap, wool, knit	926,008	747,564	81						
Leggings, canvas, dismt.	8,826,114	3,516,813	40						
*Liner, helmet, steel, M-1	7,380,746	2,354,092**	32						
*Mittens, asbestos	596,579	150,920	25						
Overcoat, wool, o.d.	3,367,096	2,490,847	74						
*Raincoat, mtd. & dismt.	4,967,586	1,768,455	36						
Shoes, service (I. low)	11,803,907	17,439,013	148						
*Trousers, cotton, khaki	12,867,610	7,170,139	56						
Trousers, wool, o.d.	12,772,593	5,849,561	46						
EQUIPAGE									
Bag, barrack	8,963,421	5,697,768	64						
Bag, canvas, field, o.d.	2,615,710	1,243,714	48						
Bar, mosquito	5,829,836	1,396,304	24						
Belt, cartridge, dismt.	1,582,637	1,375,410	87						
*Blanket, wool, o.d.	9,278,455	5,670,197	61						
Can, meat	5,036,841	4,078,739	81						
Canteen, M-1910	3,851,808	2,091,661	54						
Cot, folding, canvas	1,593,398	2,020,099	127						
Cot, fold., steel & bedstead	429,166	1,784,803	416						
Cover, canteen, dismt.	6,267,108	4,465,837	71						
*Haversack, M-1928	2,452,047	1,897,663	77						
Pouches, first-aid	5,627,912	4,372,683	78						
*Paulin, canvas, small, khaki	36,096	33,210	92						
Suspenders, belt, M-1936	2,812,668	2,011,332	72						
Tag, identification, M-1941	6,628,468	6,585,910	99						
*Tent, pyramidal	502,501	291,809	58						
*Tent, shelter-half	5,047,796	2,155,418	43						
*Tent, wall, large, w/p/p	26,548	15,513	58						
Tent, wall, small, w/p/p	464,105	63,797	14						
GENERAL SUPPLIES									
*Can, galvanized, w/cover	714,368	74,872	10						
*Container, water, 5-gallon	1,244,776	123,074	10						
Lantern, electric	143,216	110,842	77						
*Range, field	27,757	3,399	12						
Stove, tent	579,813	480,114	83						
Table, camp, folding	72,286	43,294	60						
MOTOR VEHICLES***									
Ambulance, 1/2 or 3/4-ton, 4x4	8,454	2,510	30						
Motorcycle, solo	42,861	19,447	45						
Truck, 1/4-ton, 4x4	131,497	95,113	72						
Truck, 1/2 or 3/4-ton, 4x4	51,083	28,709	56						
Truck, 1-1/2-ton, 4x4	64,053	28,484	44						
Truck, 2-1/2-ton	247,901	84,445	34						
Truck, 4-ton, 6x6	3,201	2,031	63						
Truck, 4-5-ton, 4x4 tractor w/o/w	3,662	1,450	40						
Truck, 5-ton and over	20,949	4,039	19						
Semi-trailer, 6-ton, 2-wheel, comb. anl. & cargo	2,693	376	14						
Semi-trailer, 20-ton transp.	3,800	406	11						
Trailer, 3/4-1-ton, 2 wh. cargo	31,435	23,182	74						
Trailer, 40-ton transp.	3,370	848	25						

- * International Aid and Navy deliveries included.
 ** Complete information on deliveries not available.
 *** Includes data for Navy, International Aid and the other Supply Services.

TRANSPORTATION SERVICE - HARBOR BOAT PROCUREMENT - NEW DEVELOPMENTS AND DEFICIENCIES

Source of Information: Requirements and Procurement Division, Transportation Service

Production of the 38 types of harbor boats for which contracts are now in force varies largely with the extent of development of the product, the available supply of materials or special equipment, and the period the contract has been in force. Nearly all items are covered by two or more contracts and each situation differs from others.

Favorable developments include work on 62 Mine Yawls, 26' wood, all of which have had engines supplied. One contract for 12 units is held up only by lack of tobin bronze rods for lifting pads. Contracts for 82 Navy Type Launches, 40' wood, have all but 10 engines supplied. Progress on the first four launches has been held up by failure of subcontractors to make deliveries of propellers. Of 22 "Q" Boats, 60' wood, 11 are accepted and two are ready for trial runs. Construction is continuing and materials are arriving for the others. Twelve of the 14 Glade Type Boats, 16' wood, have been shipped.

Construction is proceeding rapidly on the 14 Command Boats, 42' wood. Pending arrival of ordered supplies, material is being borrowed from another contract held by the same agency. Fourteen additional boats have been contracted for. One contract of 19 of the 56 Picket Boats, 40' wood, is nearing completion with all engines on hand; the first keel in another group of 17 was laid June 8; engines for a third contract for 30 units are to be delivered in July, August and September.

Contracts for 21 Sea Going Rescue Vessels, 83' wood, have ten vessels delivered and one launched; engines for two others are due in August; engines for nine are being supplied by SOS; delay on material has required revision of completion date. Construction on 6 other units is started. Work on 49 Sea Going Rescue Vessels and Rescue Boats, 100' wood, is distributed among 12 contracts and eight firms. The Sagstad Shipyard is working two shifts. Deficiencies include: gas tanks and switchboard, exhaust pipes and generators for four boats; shaft propellers and rubber bearings for three boats. The 50 Landing Boats, 36' Eureka - wood, await engines and bulkheads, only 15 engines having been shipped to date. These boats are on a line production.

Seven contractors are on 37 Cargo Vessels, 115' wood. One is working two shifts, one cannot proceed for lack of material and another is delayed by inability to secure priorities for completing his plant. The others have recent contracts in early stages of work. Reports of 150 Utility Barges, 45' steel 20-tons, show 10 complete, 15 near completion, 25 with materials ready and 100 recently contracted for. Steel for 30 of the 56 Utility Barges, 110' steel, is supplied by SOS, a total of 3,272 tons. The contractor for 12 units is working two shifts. One of the 42 Water and Gasoline Barges, 120' steel, is completed, 10 have nearly all material on hand, five must await 60 days for arrival of sufficient material to start construction, two others are recently contracted for, eight have sufficient steel for completion, 10 have not started. Fabrication is completed on two of 17 Ocean Going Cargo Barges, 130' steel, ready for assembly line, and is more than half completed on eight others. One of four 210' Steel Cargo Barges was launched July 18, and another is scheduled for launching August 5. Steel for completion of three is on hand. The contractor is working two shifts of fitters and three shifts of welders seven days a week.

TRANSPORTATION SERVICE - HARBOR BOAT PROCUREMENT - NEW DEVELOPMENTS AND DEFICIENCIES
(Cont.)

Source of Information: Requirements and Procurement Division, Transportation Service

Of the Floating Crane equipment a contract for nine 30-ton steel barges at the St. Louis Shipbuilding Company is progressing well. Work on 15 others will follow completion of those now building. Construction is started on two of 11 60-ton steel Floating Crane Barges, bills of material are preparing, but no steel has been received. Four have been recently contracted. Plans have been revised on a contract for 40 Special Truck Lighters, steel. Plans for 22 units are awaiting approval.

All steel and equipment is on hand for four of 33 Steel Utility Boats, 99' and 102', bills of material have been prepared for two, the plants building nine others are closed down by labor trouble, engines for 10 are due from November to January; work on eight is held up for plans. Steel for eight Distribution Box Boats is due in August and September. Construction is started on ten 162' Steel Self-propelled Gasoline Barges. A contract was recently awarded on five others. Engines are arriving for twelve 176' Steel Self-propelled Gasoline Barges. On the contract for 12 Mine Planters, 188' steel, the sixth boat was launched June 2, material for four others is ordered.

Contracts on 25 of 30 Small Tugs, 74' steel, are progressing at six yards. Engines are lacking on a contract for three tugs; engines are due for four others during June-September. All steel and four engines are on hand for a contract of six; two engines are shipped on a contract for three units; one engine is on hand for another contract for three units, and two engines for three other units are on hand. Work on three units is not started.

Two Large Tugs, 102' Steel, have all steel for hulls, but have been delayed by change in design. On 22 Large Tugs, 111' Steel, engines are on hand for completion of 14 units on schedule. Contract for eight units was recently awarded.

TRANSPORTATION PROCUREMENT - DEVELOPMENT AND TESTS OF RADIO CONTROL BOATS

Source of Information: Marine Design and Repair Branch, Water Division
Transportation Service

RADIO CONTROL BOATS

Tests have been completed on the Radio Control Boats JR-1 and 2, which now warrant production of this item in significant quantity. After a development period of three years two boats have been delivered and are now at Fort Monroe where they performed well; 38 others are due by December 1942. These boats have a length of 34 feet, with a beam of 9 feet, weight 9,000 pounds, and are equipped with lifting rings. They have a wood hull with plywood bulkhead. The capacity of the engine generator is being increased from 600 to 800 watts. The boats have a cruising range of 6 hours or 240 miles at 40 miles per hour, or 10 hours at slower speed. The propulsion is provided by a Kermath 500 horse power marine gasoline engine, with Equipoise propeller and with Bendix radio control. The radio control is Army Signal Corps with linkage by the Air Track Corporation to Bendix vacuum shift control.

In the trial tests on May 11 the JR-1 kept in sight of the operator while it was put through the following tests:

1. Starting and stopping engine
2. Advancing and retarding throttle
3. Engaging and dis-engaging clutch
4. Starting engine, advancing throttle, engaging clutch, increasing speed up to 40 M.P.H.
5. Right and left hand turns
6. Complete change of direction at various speeds

The above tests were made on rough water with approximately 2-foot waves. Control for distance was then tried up to 10 miles. All controls: starting engine, stopping engine, throttle, clutch, right and left turn were made assuring control could be maintained to that distance. Similar tests were made with the JR-2 likewise with successful results.

The ground control station is identical with the plane control equipment, hence control of the Radio Control Boat can be maintained from the air as well as from the ground. The distance permitting effective control is governed by visibility of the boat rather than by technical limitations of the control apparatus. Though largely thought of heretofore as a device for safely towing targets, the JR-1 has other significant possibilities such as a controlled torpedo against vessels or harbor defences. With a carrying capacity of 4,000 pounds, a long cruising range, and control from the air, its potentialities are considerable.

The boats are being produced by Car Wood Industries, Inc., Marysville, Michigan, and by Hacker Boat Co., Mt. Clemens, Michigan at a unit cost of less than \$20,000. Those responsible for this developmental work extend generous credit to the cooperation of the U. S. Engineers who assisted in carrying the job through all problems to completion.

HARBOR BOATS AND PIER EQUIPMENT - NEW CONTRACTS AWARDED AND PURCHASES MADE, WEEK
ENDING JULY 25, 1942

Source of Information: Requirements and Procurement Division, Transportation Service

CONTRACTS AWARDED

<u>HARBOR BOATS</u>				<u>AMOUNT</u>
<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>CONTRACTOR</u>	<u>(Thousands)</u>
3	Freight Boats, Wood, 65'	7-21-42	Vic Franck's Boat Company	111
3	Freight Boats, Wood, 65'	7-21-42	N. J. Blanchard Boat Co.	114
20	Barges, Steel, 45'	7-22-42	Pointer Williamette Co.	104
2'	Whale Boats, 26'	7-24-42	Choctaw Boat Works	85
10	Tugs, Steel, 111'	7-15-42	Tampa Marine Corporation	2,824
10	Tugs, Steel, 74'	7-24-42	J. K. Welding Company	890
24	Dories, Wood, 18'	7-23-42	A. R. Ture Co., Inc.	2
1	Freight and Passenger Vessel, 114'	7-23-42	Cambridge Shipbuilders Inc.	246
				<u>\$ 4,376</u>

PIER EQUIPMENT

250	Lift Trucks	7-19-42	Tow Motor Company	948
1000	Dock Trailers	7-25-42	Pointer Williamette Co.	90
				<u>1,038</u>
			Total	<u>\$ 5,414</u>

NEW BOAT DELIVERIES

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>DESIGNATION</u>	<u>CONTRACTOR</u>
1	Rescue Boat, 42'	P-136	Chris-Craft Corp.
3	"Q" Boats, 60'	Q-55, Q-56, Q-59	Chris-Craft Corp.
3	Eureka Landing Boats, 36'	CL-83, CL-85, CL-86	Higgins Ind. Inc.
2	Shallow Draft Boats, 27'	J-464, J-465	Higgins Ind. Inc.
1	Mine Planter, 188'	MP-2 (HUNT)	Marietta Mfg. Co.
1	Barge, steel, cargo, 110'	BC-15B	Oakland Shipbuilding Co.
1	Barge, steel, cargo, 110'	BC-449	Moss Point Shipbldg. Co.
3	Barges, steel, cargo, 110'	BC-536, BC-537, BC-538	Moss Point Shipbldg. Co.

USED BOATS PURCHASED

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER</u>	<u>DESCRIPTION</u>
1	Schooner, 162' "C.S. Holmes"	1	Cruiser, 39' "Honey"
1	Schooner, 156' "Wawona"	1	Barge, 193' "L & WB.C. Co. #2"
1	Schooner, 156' "C. A. Thayer"	1	Tug, 89' "Eskimo"
1	Schooner, 150' "Azalea"	1	Barge, 185' "Harry J. Sheridan"
1	Cruiser, 47' "Sheilah"	1	Cruiser, 59' "Valeda"
1	Tug, 76' (charter) "Captain William"	1	Barge, tank, 160' "CML #50"
1	Towing Vessel, 69' "Elmar" (charter)	1	Tanker, 250' "Zephyr"
1	Cruiser, 43' (charter) "Barracuda"	1	F. & P. 305' "Northland"
1	Cruiser, 75' "Frolic III"	1	F. & P. 305' "Southland"
1	Cruiser, 39' "Rainbow"		

PIER EQUIPMENT PURCHASED

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER</u>	<u>DESCRIPTION</u>
28	Tractors	1	Crawler Crane
15	Fork Lifts	2	Boom Tractor Cranes

PART II
ARMY AIR FORCES
PROCUREMENT

TEXT SUMMARY - AIRCRAFT PROCUREMENT

Source of Information: Aircraft Branch, WPB
Statistical Control, AAF

ARMY AIRPLANE ACCEPTANCES: Acceptances of airplanes by the Army amounted to 1,925 units during the first three quarters of July. This was four percent below the June period when 2,008 units were produced, as is shown by the table below. These data include procurement for the Air Forces, for Army International Air and procurement by the Air Forces for Navy. The Army procurement diagrams on the pages which follow are also computed on this basis.

Type	Jun 1-23	Jul 1-23	Unit Change	Percent Change
Bombers	385	379	- 6	- 2
Fighters	438	454	+ 16	+ 4
Service Combat	313	195	- 118	- 38
Trainers	872	897	+ 25	+ 3
Total	2,008	1,925	- 83	- 4

C-46: Production is now underway on over 1,000 C-46 heavy transports, 2-engine, at Curtiss-Buffalo. Specially designed by T.P. Wright, this cargo plane is low in fuel consumption and will deliver 9½ ton miles per gallon of gasoline. Flying 210 mph at 10,000 feet and at 60 percent of power, it will carry 10 tons for 1,000 miles, 7½ tons for 2,000 miles and 5 tons for 3,000 miles.

It is early to estimate the effect which the current stress on cargo planes will have on the airplane program. It is very doubtful, however, if 5,000 units of the Mars class will enter the program. The Mars would require a year and one-half to go into production and bomber output would suffer accordingly from lack of engines.

OVERSEAS DELIVERIES BY AIR: Between December 7, 1941, and July 10, 1942, 237 heavy bombers, 136 medium bombers and 105 fighters arrived by air at overseas destinations, exclusive of Alaska and the Caribbean area. Of these, 57 medium bombers and 98 fighters traveled part way to their destination by boat.

In the future, it is planned to deliver most airplanes overseas by air through the use of auxiliary gas tanks which will be dropped when empty.

GLIDERS: Gliders now have a higher priority rating than trainers. This fact will have repercussions on total airplane output, as trainers, heretofore, have been speedily produced in quantity.

ENGINE PRODUCTION: U. S. engine production was off 10 percent in the first half of July, when 6,217 units were accepted. In the June period, 6,933 units were produced.

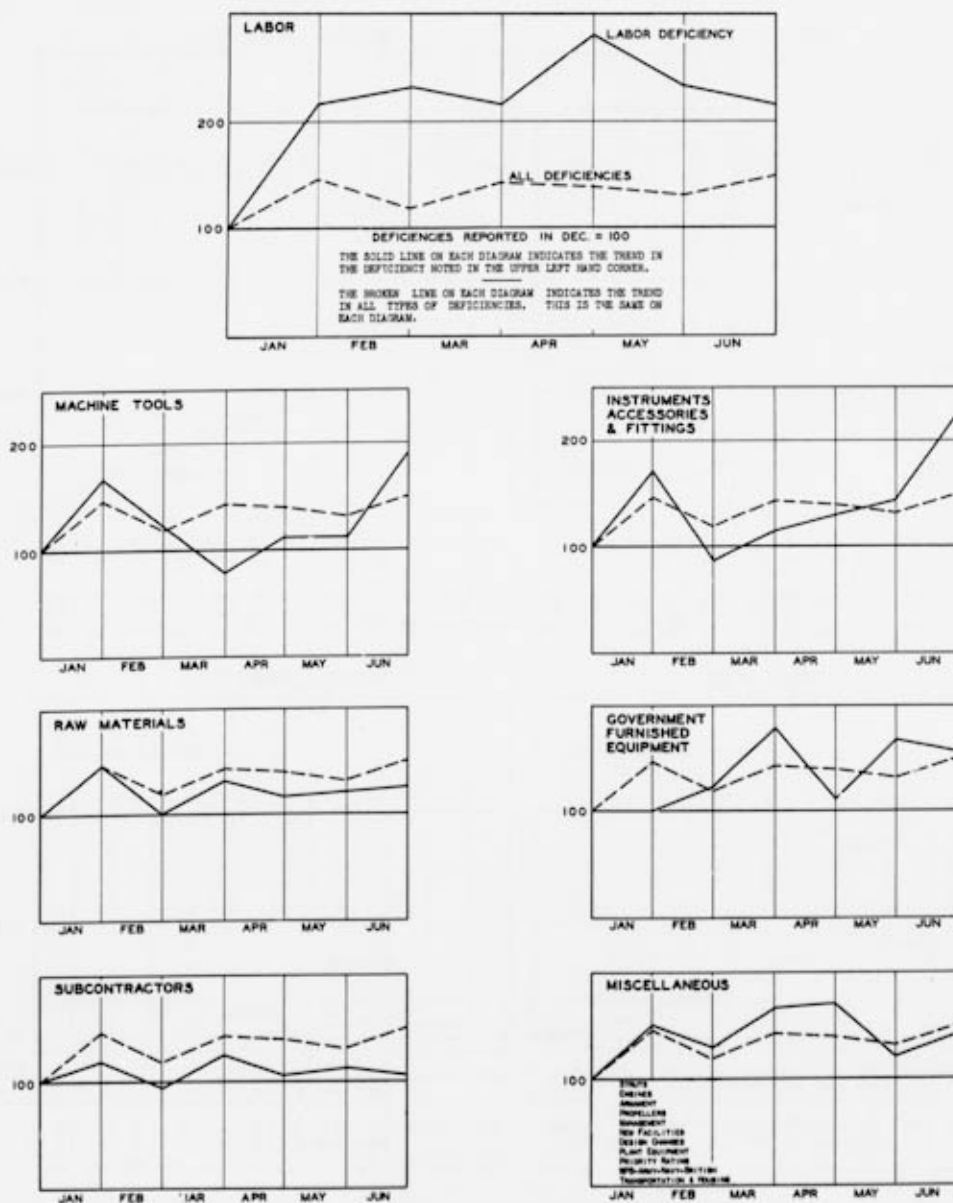
DEFICIENCIES: Summarization of deficiency reports is difficult. It is impossible to weight them. A percentage distribution by class on the basis of total deficiencies reported each month is misleading. Two raw material shortages might be 50 percent of the deficiencies reported in a good production month. Fifty percent might likewise be the proportion of 40 raw material shortages to total deficiencies reported in a poor production month. In both examples, however, the plotted series on a percentage basis would be the same.

Even classification of troubles into general categories is open to question. For example, both a strike and a shortage of skilled personnel may be legitimately classified as labor "troubles", although solutions of the two problems are in no way related. In spite of this classification drawback, the general trend in a particular "trouble" class may be gathered by comparison with the number of troubles reported in that class during a carefully selected month.

In the diagrams on the following page, the number of deficiencies reported by airframe manufacturers in December, 1941 has been made the basis for an index of troubles during the first six months of 1942. The comparative trend of deficiencies of all types over the period is also given on each diagram. The total trend line is the same on each diagram. The data cover seven hundred and fifty deficiency reports.

TREND IN AIRFRAME DEFICIENCY REPORTS - WPB PROGRAM COMPANIES - JANUARY-JUNE, 1942

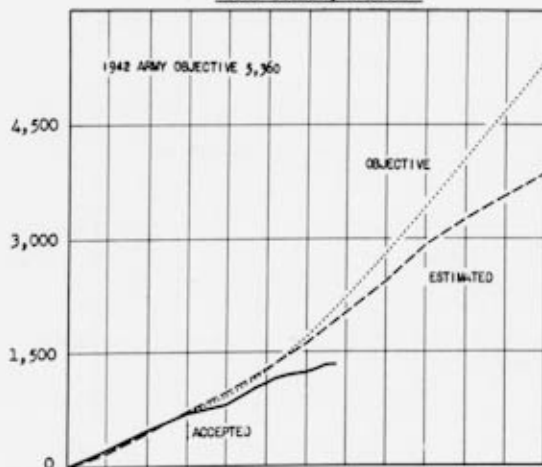
Source of Information: Aircraft Branch, WPB



ARMY AIRPLANE PROCUREMENT - JULY 23, 1942

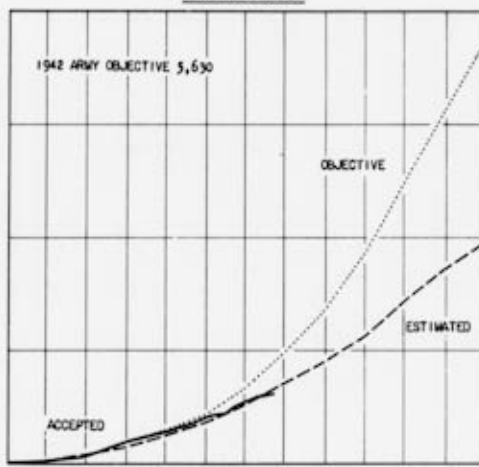
Source of Information: Objectives and Estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

LIGHT BOMBER, 2-ENGINE



1942 CUMULATIVE ESTIMATE	179	434	735	960	1269	1618	2025	2449	2914	3275	3570	3665
ACCEPTANCES	227	491	707	816	1086	1248	1329	(THRU 7/23)				
MONTHLY ESTIMATE	179	255	301	225	309	349	407	424	465	361	295	295
ACCEPTANCES	227	264	216	109	272	160	81	(THRU 7/23)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

MEDIUM BOMBER



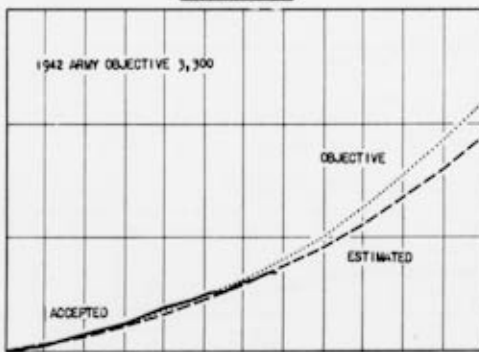
40	107	216	365	550	791	1058	1355	1689	2137	2585	2927
19	91	291	428	587	798	932	(THRU 7/23)				
40	67	109	149	185	241	267	297	334	448	448	342
19	72	200	137	159	211	134	(THRU 7/23)				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

LIGHT BOMBER, 1-ENGINE



1942 CUMULATIVE ESTIMATE	0	0	0	0	0	0	75	211	288	392	603	836
ACCEPTANCES	0	0	0	0	0	0	8	(THRU 7/23)				
MONTHLY ESTIMATE	0	0	0	0	0	0	75	136	77	104	211	235
ACCEPTANCES	0	0	0	0	0	0	8	(THRU 7/23)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

HEAVY BOMBER

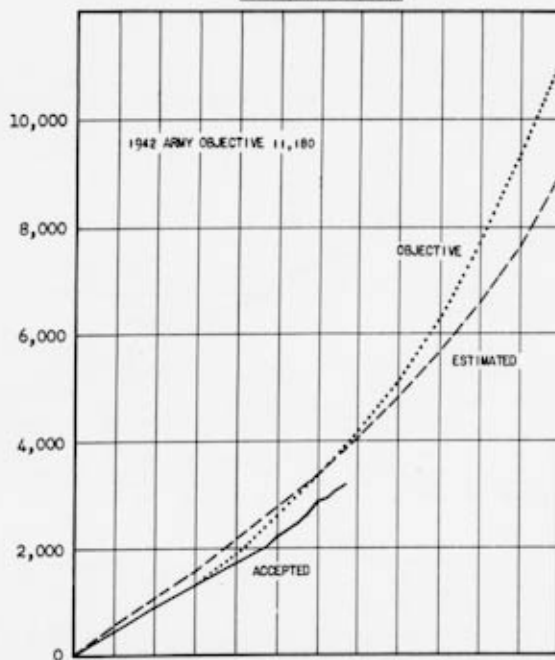


84	194	330	495	678	882	1110	1369	1665	2009	2398	2839
82	216	372	543	721	917	1073	(THRU 7/23)				
84	110	136	165	183	204	228	259	296	344	389	441
82	134	156	171	178	196	196	(THRU 7/23)				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

ARMY AIRPLANE PROCUREMENT - JULY 23, 1942

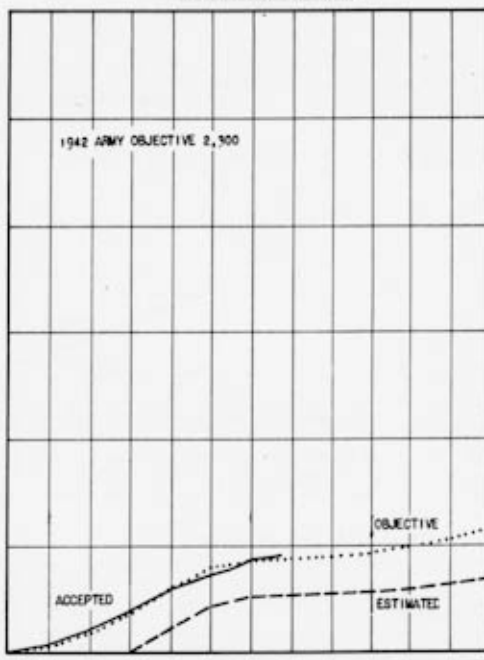
Source of Information: Objectives and Estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

FIGHTER, 1-ENGINE



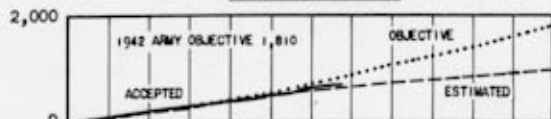
1942 CUMULATIVE ESTIMATE	531	1064	1562	2129	2729	3145	4060	4814	5603	6615	7683	8884
ACCEPTANCES	464	854	1327	1762	2244	2844	3232	(THRU 7/23)				
MONTHLY ESTIMATE	531	533	498	567	600	617	714	754	869	932	1068	1201
ACCEPTANCES	464	400	463	435	482	600	308	(THRU 7/23)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

COMMUNICATIONS (a)



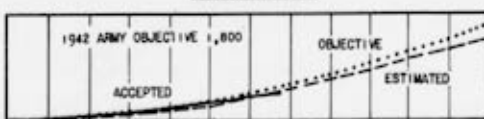
0	0	0	454	869	1036	1044	1067	1110	1175	1260	1364
122	412	746	1125	1420	1727	1825	(THRU 7/23)				
0	0	0	454	415	167	8	23	43	65	85	104
122	290	334	379	295	307	98	(THRU 7/23)				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

FIGHTER, 2-ENGINE



1942 CUMULATIVE ESTIMATE	101	216	316	454	535	606	676	746	797	849	916	996
ACCEPTANCES	106	233	333	434	534	652	718	(THRU 7/23)				
MONTHLY ESTIMATE	101	115	100	138	81	71	70	51	52	67	80	
ACCEPTANCES	106	127	100	101	100	118	66	(THRU 7/23)				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

TRANSPORT (a)



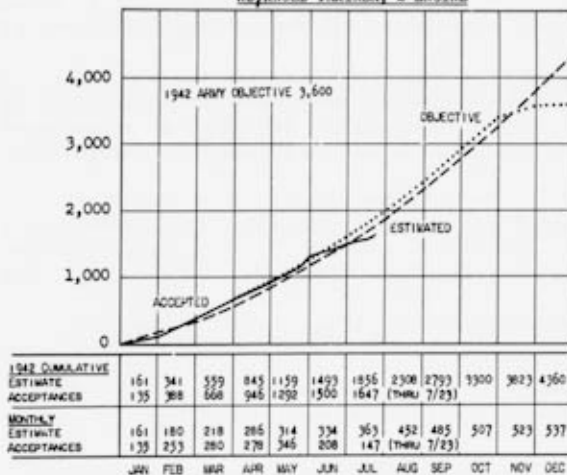
29	53	105	187	285	419	589	761	935	1125	1304	1532	
29	75	144	257	346	429	526	(THRU 7/23)					
29	24	52	82	98	134	170	172	174	190	179	228	
29	46	69	113	89	83	97	(THRU 7/23)					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

(a) Acceptances revised by reclassification of C-61 from Transport to Communications class.

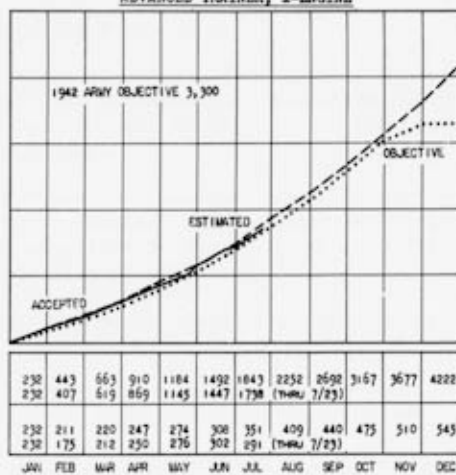
ARMY AIRPLANE PROCUREMENT - JULY 23, 1942

Source of Information: Objectives and Estimates: 8-Series, WPB
 Acceptances: Statistical Control, AAF

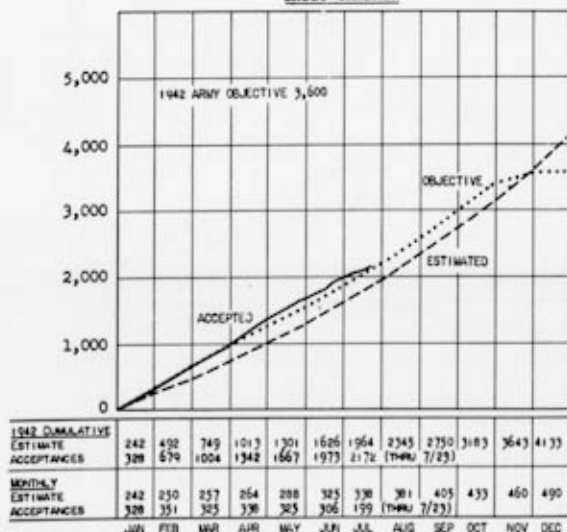
ADVANCED TRAINER, 2-ENGINE



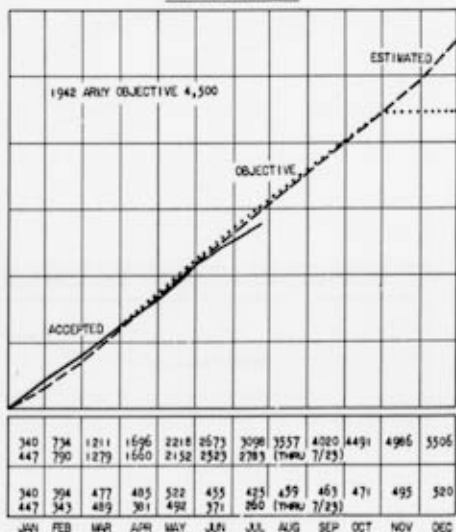
ADVANCED TRAINER, 1-ENGINE



BASIC TRAINER



PRIMARY TRAINER

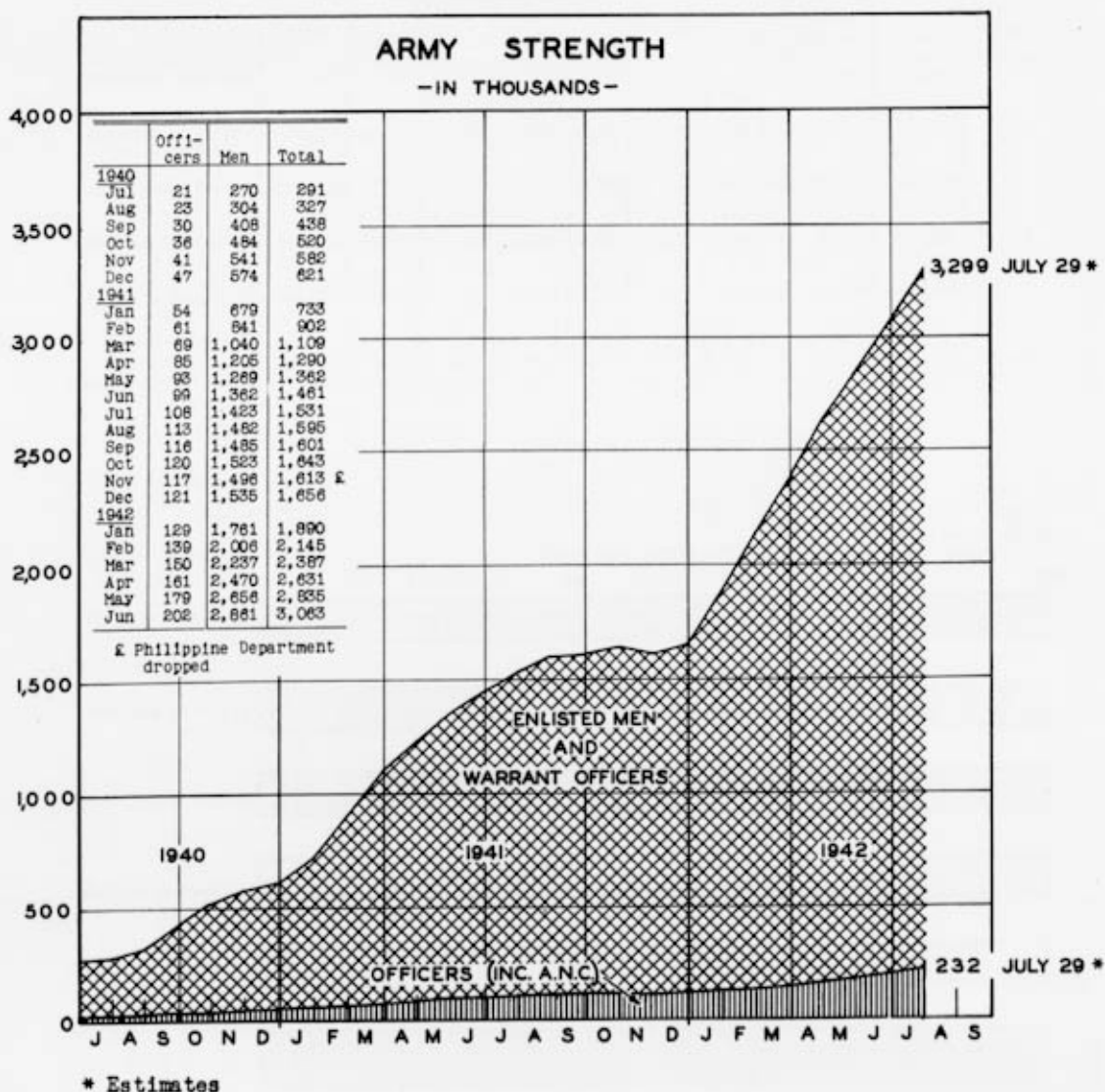


NOTE: TRAINER ESTIMATES FOR ALL CUSTOMERS IN 1942 ARE 30 PERCENT IN EXCESS OF THE PRESIDENTIAL OBJECTIVE OF 15,000 UNITS. THE OBJECTIVES ABOVE REPRESENT THE ESTIMATE FOR EACH TYPE REDUCED IN PROPORTION TO ITS WEIGHT IN THE TOTAL ESTIMATE. THE ENTIRE U. S. TRAINER OBJECTIVE HAS BEEN ASSIGNED TO THE ARMY; DIRECT PROCUREMENT OF THIS TYPE BY OTHER AGENCIES IS NEGLIGIBLE.

PART III
NON-PROCUREMENT
OPERATIONS

ARMY STRENGTH - JULY 29, 1942

Source of Information: Machine Records Branch, AGO.

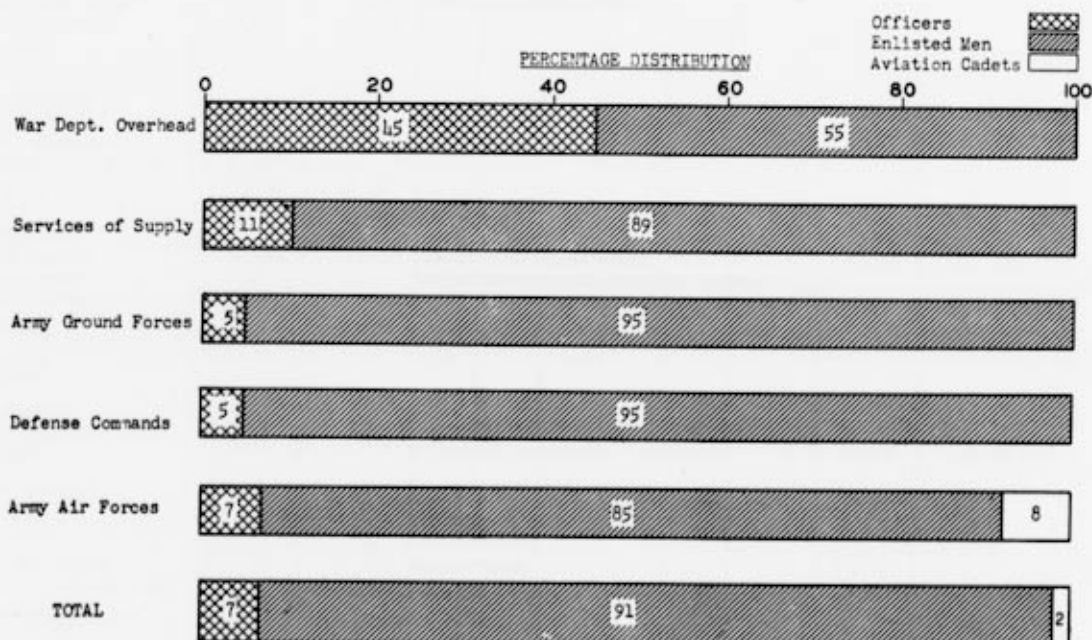


ARMY STRENGTH BY GRADES - CONTINENTAL U. S. - JUNE 30, 1942

Source of Information: Machine Records Division, Adjutant General's Department

DISTRIBUTION BY GRADES

	GRAND TOTAL	COMMISSIONED OFFICERS				WARRANT OFFICERS	ENLISTED MEN			AVIATION CADETS
		TOTAL	General	Field	Company		TOTAL	Non-Com. Officers	Privates	
War Dept. Overhead	3,621	1,620	51	777	792	10	1,991	693	1,298	
Services of Supply	548,321	60,065	159	10,881	49,025	1,190	486,882	115,696	371,186	184
Army Ground Forces	1,023,902	51,383	171	6,104	45,108	514	972,005	271,030	700,975	
Defense Commands	295,643	14,973	43	1,946	12,984	424	280,234	84,068	196,166	12
Army Air Forces	601,765	40,598	37	4,335	36,226	557	512,507	127,290	385,217	48,103
TOTAL	2,473,252	168,639	461	24,043	144,135	2,695	2,253,619	598,777	1,654,842	48,299



TROOPS ON HAND AT STAGING AREAS - JULY 20, 1942

Source Of Information: Office of Chief of Transportation, Headquarters, SOS

Location	Existing Capacity		Percent of Occupancy - July 20, 1942						Under Construction	
	Available	Occupancy	20	40	60	80	100	120	Capacity	Date of Completion
<u>PORTS OF EMBARKATION</u>										
<u>BOSTON</u>										
Taunton									19,000	Dec 20
<u>NEW YORK</u>										
Fort Hamilton	3,122	1,677								
Fort Slocum	3,000	314								
Fort Dix	40,000	15,258								
Camp Kilmer	30,000									
Indiantown Gap	18,000	19,656								
Total	94,122	36,905								
<u>HAMPTON ROADS</u>										
Newport News									20,000	Nov 15
<u>CHARLESTON</u>										
O.D. & R.D.	1,512	2,138								
Sullivan's Island	1,389									
Remount Road									1,000	Aug 15
Total	2,901	2,138								
<u>NEW ORLEANS</u>										
Jackson Barracks	2,500									
Chalmette Slip	3,200	2,164								
New Orleans	20,000	14								
Total	25,700	2,178								
<u>SAN FRANCISCO</u>										
Ft. McDowell	3,700	4,289								
Camp Stoneman	20,000	9,593								
Bayshore P. & K.C.	5,800									
Total	29,500	13,882								
<u>SEATTLE</u>										
Fort Lawton	2,300	1,725							5,000	Aug 15
Fort Lewis	*	1,867							155%	
Camp Murray	1,200									
Total	3,500	3,592								
<u>SUB-PORTS</u>										
<u>LOS ANGELES</u>									5,000	Oct 1
<u>PORTLAND</u>									2,500	Aug 15
<u>PRINCE RUPERT</u>									2,500	?
TOTAL ALL PORTS	155,723	58,695							55,000	

* Borrowed space.

MEDICAL DEPARTMENT - INCIDENCE OF MEASLES AND MUMPS; PERCENT SICK

Source of Information: Division of Preventive Medicine and Vital Statistics Division,
Office of the Surgeon General

INCIDENCE OF MEASLES AND MUMPS: The diagram on the following page presents a comparison of the admission rates for measles and mumps during the present mobilization and that of 1917-18.

It will be noted that, while these diseases were very important causes for admission during the last war, they have thus far been of relatively minor importance in the present emergency.

There can be no absolute assurance that the Army will continue to be favored by the absence of notable outbreaks of these diseases, but the experience to the present time provides a reasonably optimistic outlook. Rises in incidence in the late winter and the spring months of 1941 and 1942 can be interpreted as being due to a more or less normal seasonal variation. The fact that they did not assume epidemic proportions is an indication that the susceptibility rate among troops may be relatively low as compared to the susceptibility rates present in the troops 25 years ago.

A possible explanation for these low rates may lie in the relative urbanization of the rural sections of the country resulting from improvement of roads and transportation facilities over the past 25 years. Thus it may be that the present-day soldier has had a greater opportunity in his youth to have acquired immunity to these diseases than did the soldier of World War I. If this is true, we may expect a continued low incidence of these so-called childhood diseases. If, on the other hand, this assumption is wrong, we may expect to see outbreaks of considerable magnitude throughout our armed forces, particularly in components originating from rural sections of the country.

PERCENTAGE OF MILITARY PERSONNEL ON SICK REPORT: In the week ended July 23, 1942, the percent sick within the continental limits of the United States was 3.04. There were 2.84 percent in hospital and .20 percent in quarters.

The line below presents a recapitulation of the total percent sick by weeks from April, 1941 to July 23, 1942. No attempt has been made to correct it for absence of troops on maneuvers, holiday leaves, or other factors.



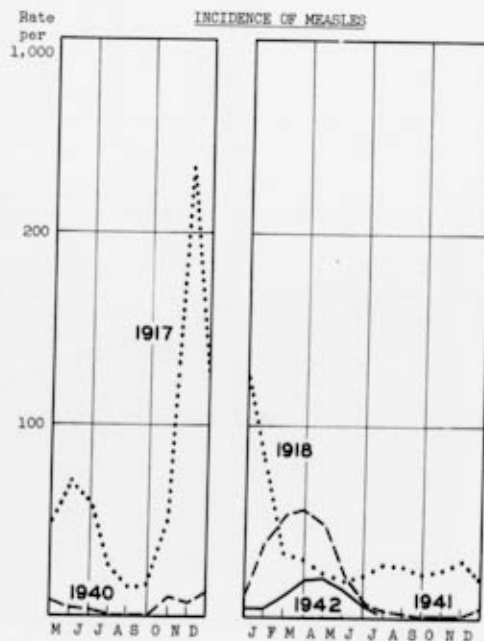
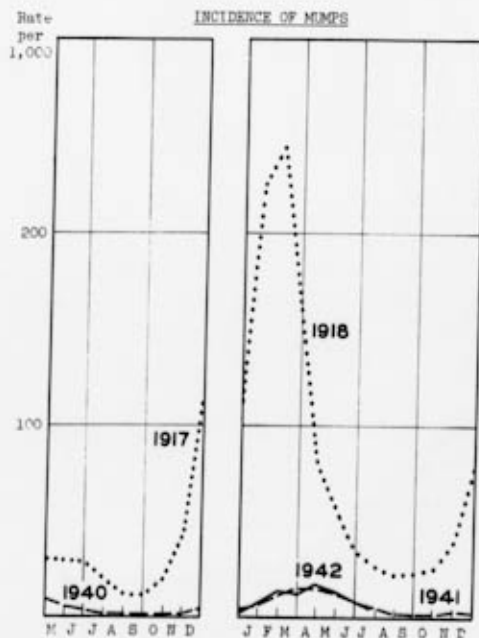
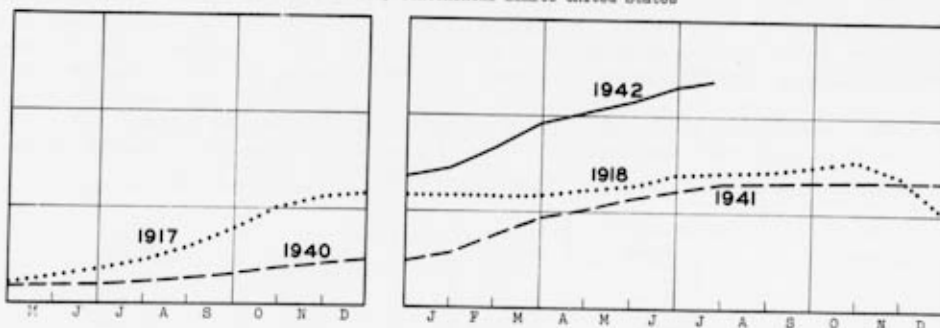
WEEKLY NON-EFFECTIVE RATES: It should be noted that the percent sick can be readily converted into a very close working approximation of the non-effective rate for the week covered by multiplying the percentage by ten. Thus, a practical non-effective rate per thousand for the week ended July 23 would be 30.4.

MEDICAL DEPARTMENT - INCIDENCE OF MUMPS AND MEASLES, TWO WARS - JULY 23, 1942

Source of Information: Division of Preventive Medicine, Office of the Surgeon General

The diagrams below contrast the incidence of mumps and measles in U. S. Army troops in the last war and in this. Figures represent annual admission rates per thousand men; the troop basis is white and colored enlisted men within the continental limits of the United States. Discussion and interpretation of these diagrams appears on the preceding page.

RELATIVE STRENGTH: 1917-'18 to 1940-'41-'42
Enlisted Men, Continental Limits United States



MEDICAL DEPARTMENT - HOSPITAL BEDS AVAILABLE AND OCCUPIED - JUNE 27, 1942

Source of Information: Vital Statistics Division, Office of the Surgeon General

The tabulation and diagram below present a study by reported totals of hospital beds available and occupied. Due to the dispersion of vacancies among various types of wards and sections of hospitals, corps area or national totals are of questionable value.

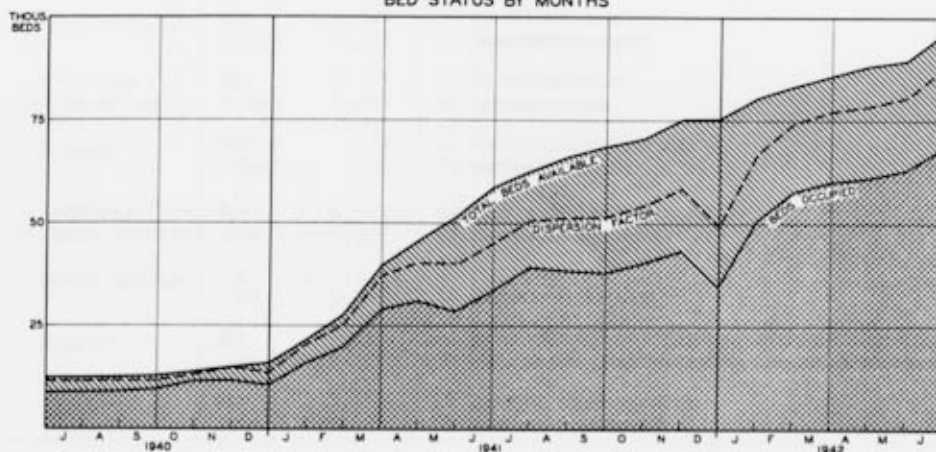
In estimating available vacancies, a dispersion factor of 20 percent has been used. It is evident that such a correction of the total vacant-beds figures must be made, since beds in a communicable disease section are not available to surgical cases; beds in a mental ward can be used for mental cases only; male and female patients, venereal disease patients, tubercular patients, etc., necessitate further segregation within hospitals and consequent definition of total vacancies as to general availability. The size of such a dispersion factor will vary from one hospital to another; 20 percent may be regarded as a working approximation when dealing with totals.

The health record of the Army in general has been remarkably good during the period covered; consequently, the number of vacant beds has been unusually high.

BED STATUS, CONTINENTAL U.S., WEEK ENDED JUNE 27

Corps Area	Total	Occupied	Dispersion Factor	Estimated Available Vacancies
First	4,643	2,666	929	1,048
Second	5,246	3,916	1,049	281
Third	8,807	6,206	1,761	840
Fourth	26,309	17,795	5,262	3,252
Fifth	3,663	3,140	733	
Sixth	3,164	2,212	633	319
Seventh	8,205	5,992	1,641	572
Eighth	19,043	13,537	3,809	1,697
Ninth	17,211	12,490	3,442	1,279
TOTAL	96,291	67,954	19,258	9,079

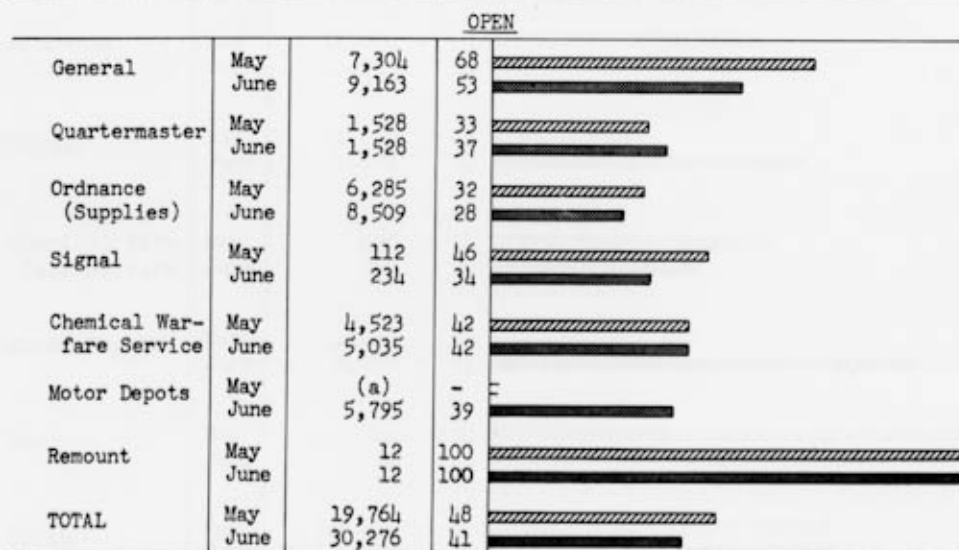
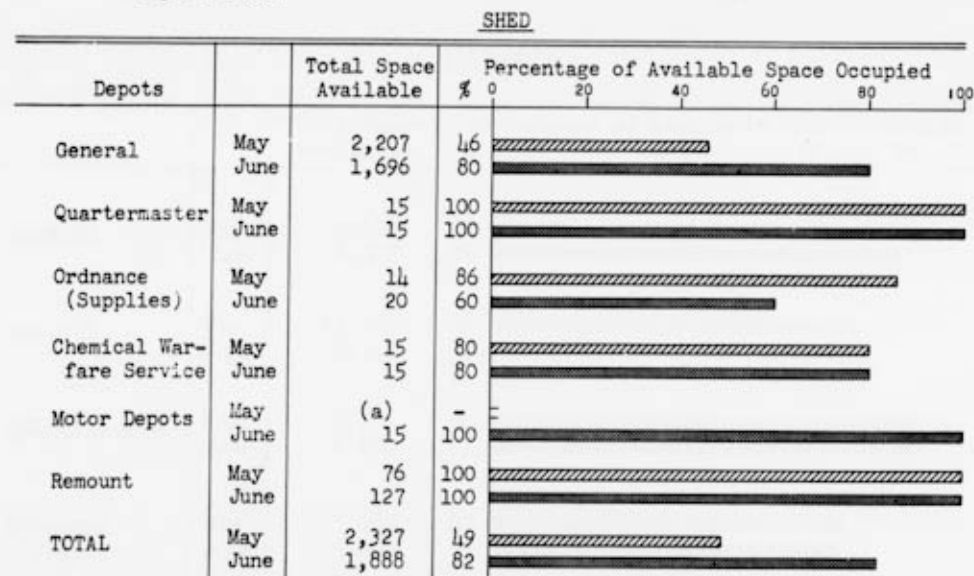
BED STATUS BY MONTHS



SHED AND OPEN STORAGE SPACE - AVAILABLE AND OCCUPIED - MAY 31 AND JUNE 30, 1942

Source of Information: Depot Branch Operations Division, Headquarters, SOS

Note: Separate figures are not available for the Corps of Engineers, which uses facilities of other services. Figures represent thousands of square feet.



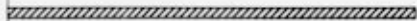
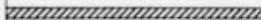
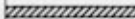
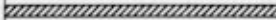
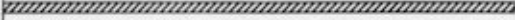
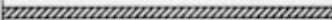
(a) Statistics not tabulated.

DEPOT STORAGE SPACE - OCCUPANCY MAY 31 AND JUNE 30, 1942

Source of Information: Depot Branch Operations Division, Headquarters, SOS

Note: Separate figures are not available for the Corps of Engineers, which uses facilities of other services. Figures represent thousands of square feet.

WAREHOUSE

Depots		Total Space Available	Percentage of Available Space Occupied						
			%	0	20	40	60	80	100
Medical	May	2,018	80						
	June	2,258	78						
General	May	15,380	70						
	June	16,148	72						
Quartermaster	May	5,789	80						
	June	5,894	83						
Ordnance (Supplies)	May	7,085	67						
	June	6,498	66						
Ordnance (Ammunition)	May	12,002	51						
	June	13,320	47						
Signal	May	1,288	26						
	June	1,975	60						
Chemical Warfare Service	May	496	54						
	June	722	40						
Motor Depots	May	(a)	-						
	June	2,030	82						
Remount	May	44	100						
	June	54	100						
TOTAL	May	44,102	65						
	June	48,899	66						

(a) Statistics not tabulated.

REAL ESTATE PROGRESS - JUNE 30, 1942

Source of Information - Construction Division, Corps of Engineers

The acquisition of land by the Real Estate Branch, Construction Division, Corps of Engineers, is accomplished in any of five ways: by purchase, condemnation, transfer, donation or lease. There are 1,692 leases in force which comprise an area of 1,683,000 acres with an annual rental of \$1,343,000. As to the four other methods of land acquisitions there are 846 directives which comprise authorization for 14,476,000 acres of which 12,960,000 acres are available. The financial data for the acquisition of land by purchase, condemnation, transfer, and donation in thousands of dollars is shown in the chart below:

	Authorized	Allotted	Obligated	Expenditures
Prior to FY 41	\$ 5,825	\$ 5,825	\$ 4,651	\$ 4,275
Subsequent to 7/1/40	289,598	282,731	197,101	157,277
TOTAL	\$295,423	\$288,556	\$201,752	\$161,552

Of the 846 directives subsequent to July 1, 1940 for the acquisition of land, total possession has been obtained on 272 directives (32%), initial possession has been obtained on 511 directives (60%), and possession is being obtained (pending) on 63 directives (8%).

The 63 directives that are pending have an authorized cost of \$6,868,000. The funds obligated are \$52,000 and the expenditures to date are \$400. The table at right shows the number of directives pending and the number of weeks they are pending.

PERIOD PENDING	NO. OF DIRECTIVES
1 DAY TO 1 WEEK	21
1 WEEK TO 2 WEEKS	11
2 WEEKS TO 3 WEEKS	12
3 WEEKS TO 4 WEEKS	7
4 WEEKS TO 5 WEEKS	4
5 WEEKS TO 6 WEEKS	0
OVER 6 WEEKS	8
TOTAL	63

The 8 directives that are pending over 6 weeks have an authorized cost of \$784,328 and an authorized area of 29,840.07 acres. They are:

Name and Location	Purpose	Cost	Authorized Area (Acres)
1. Barrancus, Fort, Florida	Miscellaneous	\$ 37,850	111.00
2. Houston, Fort Sam, and Randolph Field, Texas	R/W for tie cable	678	.07
3. Kellogg Ranch, Pomona, California	Additional Re-mount facilities	--	750.00
4. Matagoria Island, Texas	Gulf Coast AF Training Center	253,000	24,500.00
5. McClellan, Fort, Anniston, Alabama	Base for an Observation Squadron	125,000	2,000.00
6. Puget Sound, Washington	Miscellaneous	3,800	77.00
7. Seymour, Twin Engine School, Seymour, Ind.	Auxiliary Landing Fields	317,000	2,400.00
8. Slocum, Fort, County of Westchester, N.Y.	Expansion	47,000	2.00

PORT SITUATION - DELAYS IN CAR UNLOADING - JULY 17, 1942

Source of Information: Association of American Railroads - PT Report No. 8

CARLOAD FREIGHT FOR EXPORT AND COASTAL VESSEL MOVEMENT (EXCLUDING COAL)

LOADED CARS ON HAND

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	152	8,008	3,542	2,760	298	2,205	1,361	464	2,545	21,315
May 15	155	7,982	3,489	2,654	285	2,448	1,295	669	2,904	21,937
May 22	782	7,256	3,585	2,178	345	2,406	1,515	402	2,489	20,758
May 29	520	6,771	3,060	1,935	410	2,690	1,606	500	2,391	19,885
Jun 5	405	7,590	2,887	1,971	345	2,735	1,888	549	3,147	21,115
Jun 12	447	6,828	2,761	1,778	246	2,752	1,806	482	2,968	20,068
Jun 19	566	6,767	2,894	1,772	351	2,848	1,642	972	3,371	21,165
Jun 26	374	6,254	2,787	1,611	556	3,259	1,610	1,241	3,652	21,324
Jul 3	457	6,986	2,611	1,609	880	3,427	1,556	1,191	3,568	22,005
Jul 10	679	7,768	2,757	2,256	825	3,425	1,529	895	2,915	25,105
Jul 17	652	6,951	3,175	2,751	925	3,525	1,960	814	3,090	25,579

LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	66	2,968	2,558	1,258	64	508	82	160	192	7,636
May 15	52	2,647	2,294	1,670	102	525	151	197	415	7,829
May 22	51	2,568	2,559	1,116	189	589	165	235	566	7,454
May 29	169	2,558	1,955	1,014	155	605	195	185	462	7,254
Jun 5	50	2,497	1,474	1,015	67	749	185	128	1,279	7,440
Jun 12	58	2,662	1,674	1,005	42	805	180	128	1,207	7,757
Jun 19	22	2,455	1,696	941	59	949	506	107	984	7,517
Jun 26	178	2,544	1,851	928	105	1,698	502	429	982	8,797
Jul 3	207	2,652	1,254	754	229	1,895	501	439	1,012	8,665
Jul 10	264	2,955	1,256	807	505	1,841	285	507	746	9,142
Jul 17	264	3,292	1,525	998	326	1,279	541	578	858	9,259

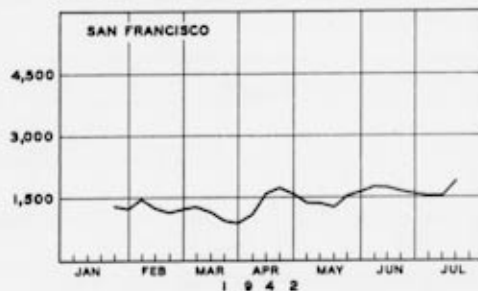
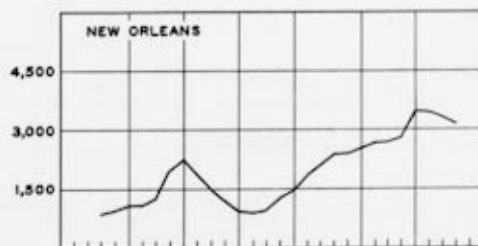
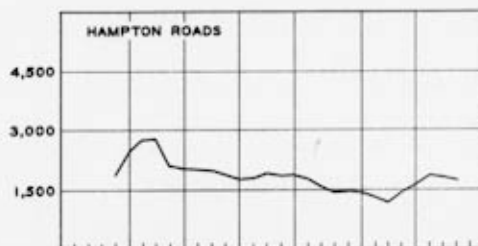
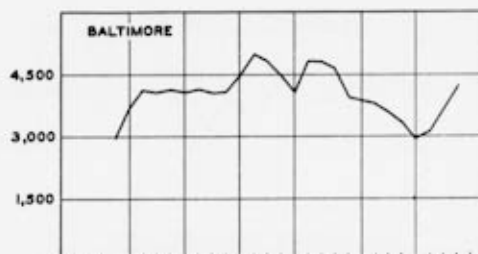
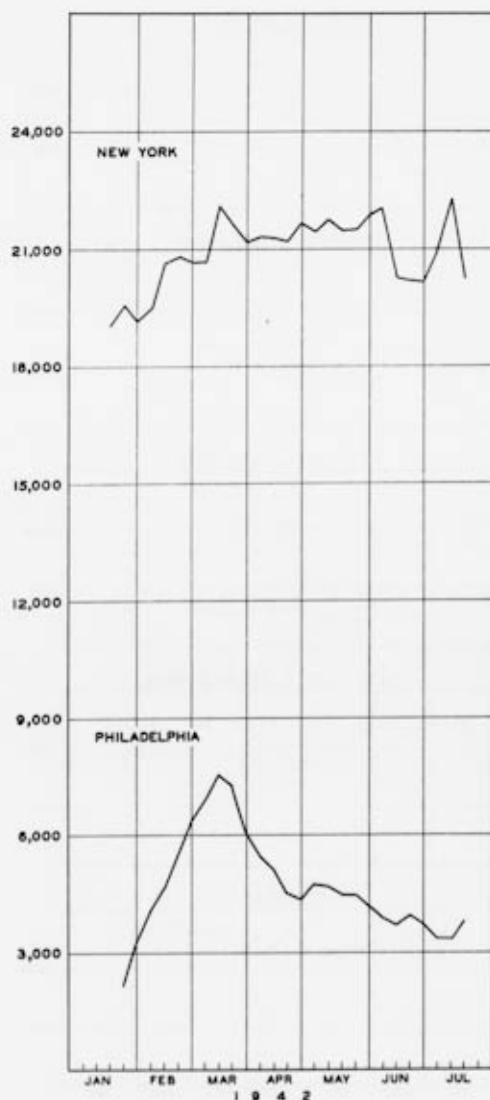
PERCENTAGE OF LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	50	37	72	45	21	14	6	34	8	36
May 15	34	35	66	63	36	13	10	29	14	36
May 22	7	35	70	51	55	16	11	58	25	36
May 29	35	38	65	52	32	22	12	37	19	36
Jun 5	12	34	51	51	19	27	10	37	41	35
Jun 12	9	39	61	56	17	29	10	27	41	39
Jun 19	4	36	59	55	18	35	19	11	29	36
Jun 26	48	37	66	58	19	52	19	35	27	41
Jul 3	47	38	47	46	26	54	19	37	30	39
Jul 10	39	38	46	36	61	55	19	37	26	40
Jul 17	42	47	48	37	35	38	17	46	27	39

PORT SITUATION - RAIL FREIGHT AT SELECTED PORTS - JULY 17, 1942

Source of Information: Association of American Railroads - PT Report No. 7

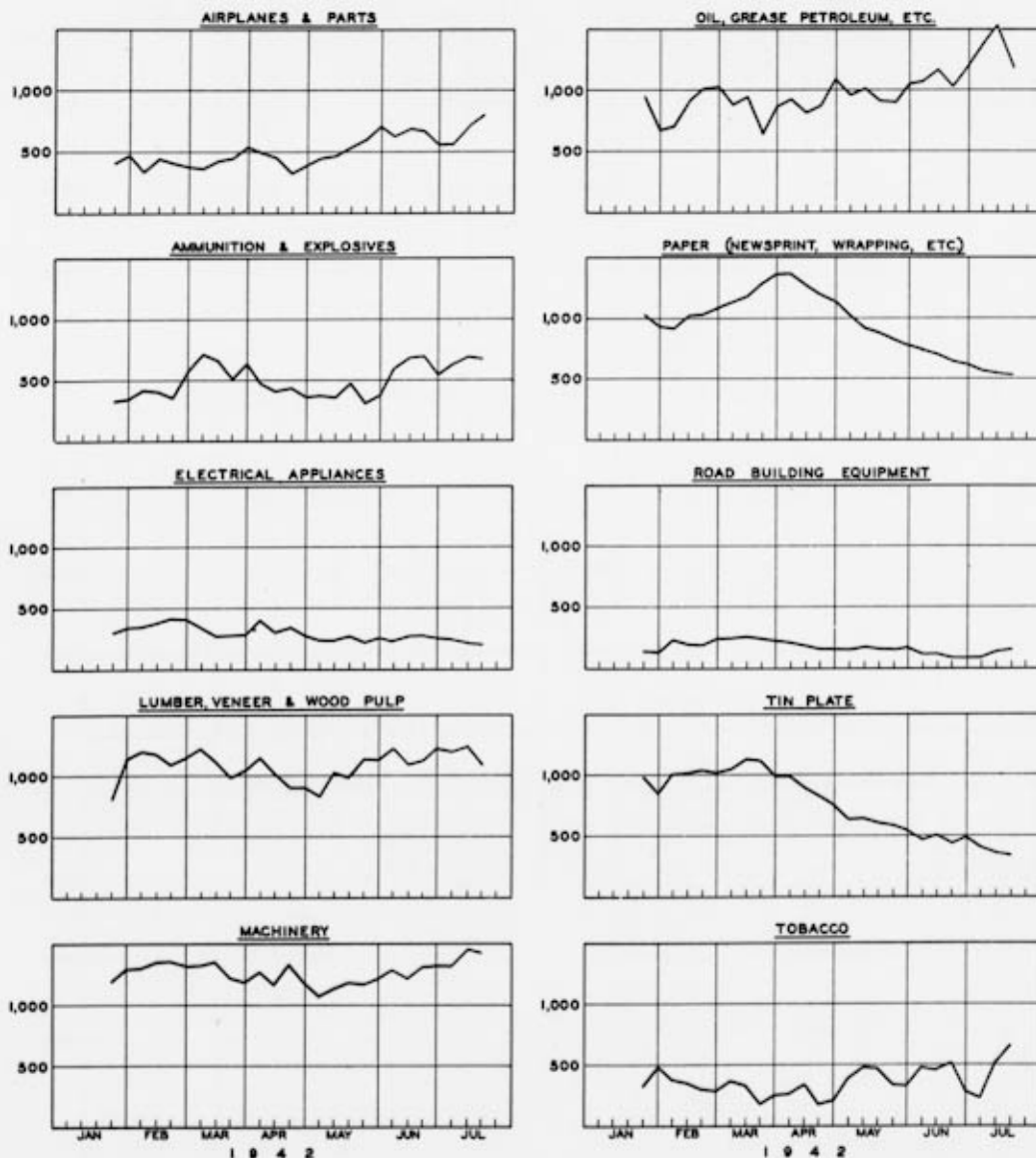
CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS
AND IN STORAGE AT RAILROAD OWNED AND OPERATED FACILITIES



PORT SITUATION - RAIL FREIGHT AT PRINCIPAL PORTS BY COMMODITY - JULY 17, 1942

Source of Information: Association of American Railroads - PT Report No. 7

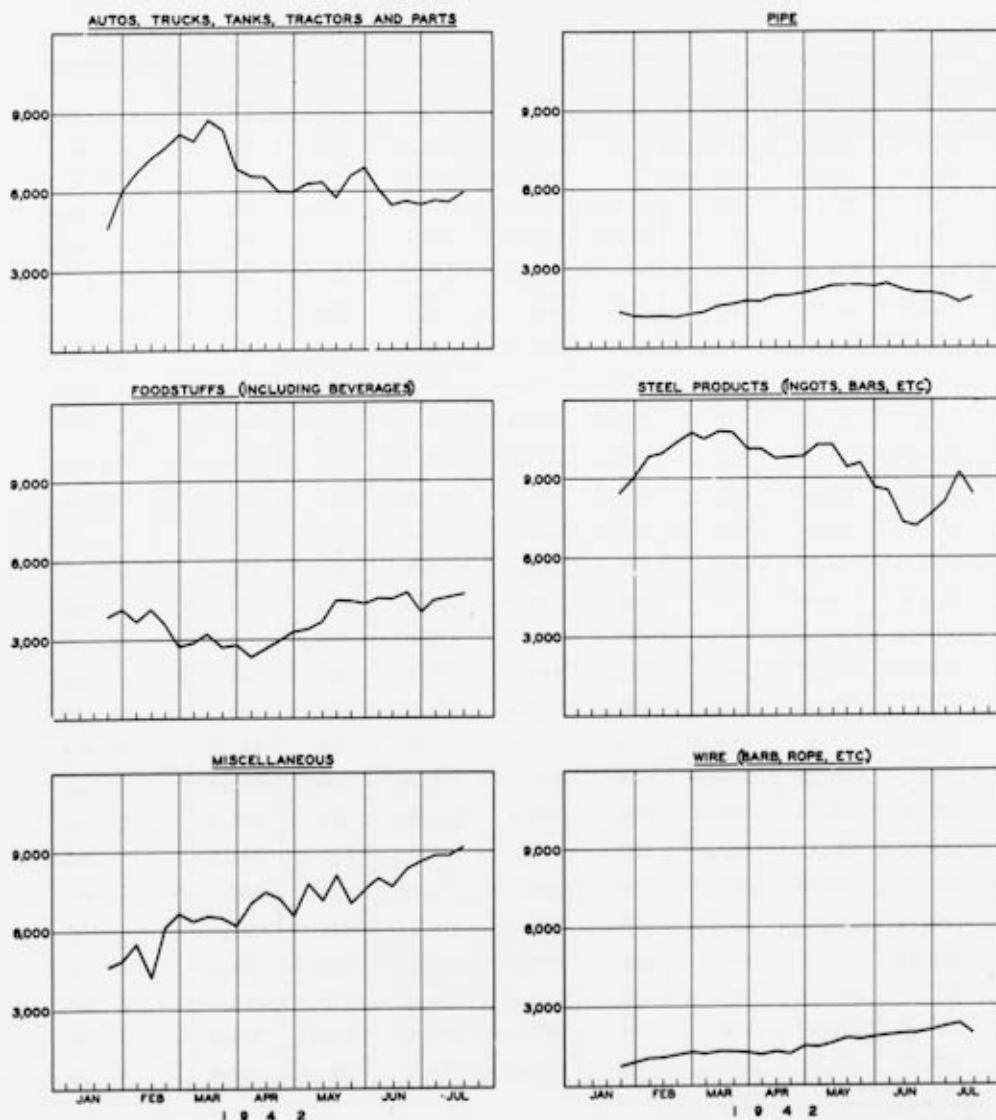
CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS AND IN STORAGE
AT RAILROAD OWNED AND OPERATED FACILITIES AT FIFTEEN PRINCIPAL PORTS



PORT SITUATION - RAIL FREIGHT AT PRINCIPAL PORTS BY COMMODITY - JULY 17, 1942

Source of Information: Association of American Railroads - PT Report No. 7

CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS AND IN STORAGE
AT RAILROAD OWNED AND OPERATED FACILITIES AT FIFTEEN PRINCIPAL PORTS



PORT SITUATION - CONSIGNEES OF RAIL FREIGHT AT PRINCIPAL PORTS - JULY 17, 1942

Source of Information: Association of American Railroads - PT Report No. 7

CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON
RAILS AND IN STORAGE AT RAILROAD OWNED AND OPERATED
FACILITIES AT FIFTEEN PRINCIPAL PORTS

	U.S. Army	U.S. Navy	British	Amtorg	China	F.S.C.C.	Others	Total
Jan 16	538	173	8,087	1,809		447	11,146	22,200
Jan 23	756	1,029	14,408	1,892		393	12,457	30,935
Jan 30	650	1,067	14,978	2,490	1,435	485	11,665	32,770
Feb 6	904	1,078	15,802	2,549	1,737	359	12,312	34,741
Feb 13	837	1,149	16,543	2,820	1,828	391	12,778	36,346
Feb 20	1,017	973	16,617	3,651	1,301	352	13,361	37,272
Feb 27	1,490	791	15,980	4,398	1,246	253	14,126	38,284
Mar 6	1,659	754	15,801	4,527	1,196	404	13,800	38,141
Mar 13	1,240	853	18,238	4,569	1,237	459	14,158	40,754
Mar 20	934	838	15,451	4,717	1,289	381	14,524	38,134
Mar 27	983	846	14,532	3,765	1,200	358	14,546	36,230
Apr 3	1,116	918	14,877	3,615	1,232	320	14,361	36,439
Apr 10	1,401	1,051	14,517	3,891	1,258	520	13,797	36,435
Apr 17	1,543	971	14,215	3,907	1,250	520	13,210	35,616
Apr 24	1,756	821	14,246	4,053	1,262	600	12,894	35,632
May 1	1,967	929	14,376	4,827	1,280	742	13,400	37,521
May 8	1,888	896	15,434	4,637	1,086	1,022	12,846	37,609
May 15	2,156	807	16,244	4,271	929	1,456	12,402	38,265
May 22	3,123	980	15,792	3,724	889	1,716	11,602	37,826
May 29	3,605	975	16,144	3,567	886	1,843	11,061	38,081
Jun 5	2,283	1,093	17,204	3,615	886	1,459	11,692	38,232
Jun 12	2,584	884	15,775	3,845	936	1,259	10,713	35,996
Jun 19	2,399	911	15,786	4,777	883	1,259	10,645	36,660
Jun 26	2,316	921	15,584	5,070	905	1,104	10,738	36,638
Jul 3	2,325	876	16,532	5,865	912	799	10,444	37,753
Jul 10	2,857	1,083	18,109	6,173	878	807	9,689	39,596
Jul 17	2,909	1,180	18,957	5,618	840	1,153	8,327	38,984

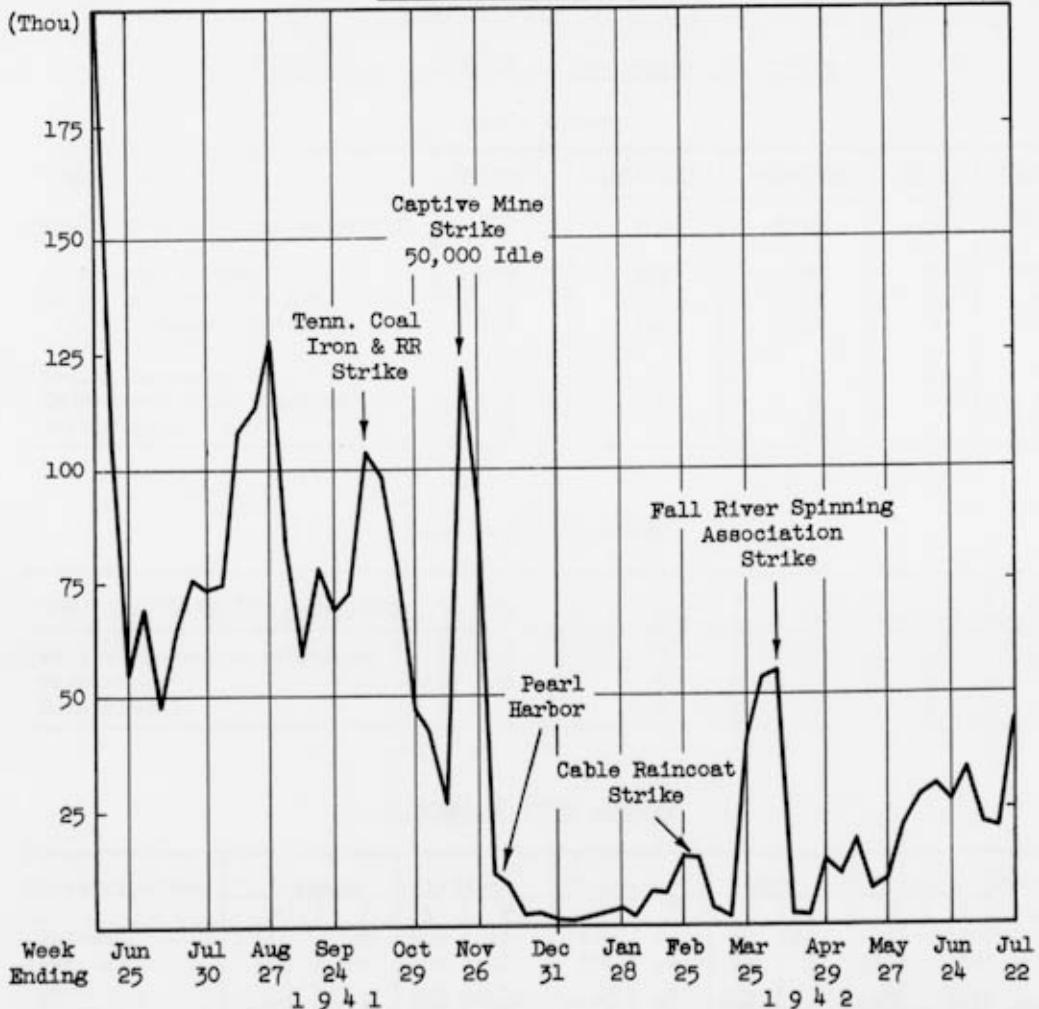
EFFECT OF STRIKES ON WAR DEPARTMENT PROCUREMENT - JULY 22, 1942

Source of Information: Labor Relations Branch, Headquarters, SOS

Man-days lost from strikes affecting War Department procurement are shown below. Strikes affecting Navy Department procurement have not been included. Time lost on Sundays is not included in these computations.

Man-days lost from strikes after the entrance of the United States into the war have fallen as low as 510 in one week as compared to 121,800 in one week shortly before December 7. It is significant, however, that the trend of strikes is now increasing; 44,100 man-days were lost for the week ending July 22, 1942.

MAN-DAYS LOST FROM STRIKES



CONFINEMENT OF ENEMY ALIENS

Source of Information: Office of the Provost Marshal General

ALIENS IN CONFINEMENT - 20 JULY, 1942

In custody Department of Justice	5361
Interned - U. S. Army Internment Camps	2696
En route to U. S. Army Internment Camps	362
Total	8419

CERTIFIED FOR INTERNMENT BY DEPARTMENT OF JUSTICE

Adult Males

Classification	Germans	Italians	Japanese	Misc.	Total
Total certified for internment	772	156	1500	5	2433
Delivered to Army	696	138	1180	3	2017
To be delivered to Army	50	8	271	-	329
Total ordered interned	746	146	1451	3	2346
Action deferred	14	7	17	2	40
Internment order vacated	9	2	9	-	20
Repatriated	3	1	23	-	27

Females and Children

Total certified for internment	102	1	33	-	136
Held at detention stations	98	1	33	-	132
Paroled	3	-	-	-	3
Repatriated	1	-	-	-	1

DISCHARGED FROM CUSTODY

Classification	Germans		Italians		Japanese		Misc.		Totals		Grand Total
	M	F	M	F	M	F	M	F	M	F	
Released	508	88	293	26	379	21	85	15	1265	150	1415
Paroled	561	120	157	12	631	32	23	1	1372	165	1537
Died	3	1	-	-	9	-	-	-	12	1	13
Total	1072	209	450	38	1019	53	108	16	2649	316	2965

Weekly Statistical
SUMMARY

Number 150

AUGUST 6, 1942

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Date- 3-11-59

Signature- *Carl L. Spicer*

STATISTICS AND PROGRESS BRANCH,
CONTROL DIVISION, HEADQUARTERS,
SERVICES OF SUPPLY, WAR DEPT.

COPY NUMBER 1

SECRET

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U.S.C. , 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

WEEKLY STATISTICAL SUMMARY

REPORT NO. 150

AUGUST 6, 1942

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SECRET

PART I
S. O. S.
PROCUREMENT

DEFICIENCIES AND DEVELOPMENTS - RESOURCES - AUGUST 6, 1942

Source of Information: Resources Division, Headquarters, SOS, and Statistics Division, WPB

MATERIALS SITUATION

Shortage of materials is expected to be the major bottleneck of war procurement. It is already cited as the cause of plants being shut down part of the working week, and of plans for new plants being abandoned.

In contrast to the profusion of reports as to the end-products which the Services are planning to procure, there is a dearth of statistical information about raw and basic materials from which they are to be made. The following diagrams are the beginning of a comprehensive summary of the total supply and the amounts required by the Army, starting with twelve materials.

These diagrams bring together information on the U.S. supply worked out through the commodity divisions in the War Production Board, and analyses of the Army requirements developed by tabulations in the Supply Services. These data on requirements are based on the Army Supply Program as analyzed in the report of Raw and Basic Materials by the Control Division, Headquarters, SOS and revised by the Resources Division, Headquarters, SOS. Estimates of Air Corps requirements have been included. Further information on supply is available on about 40 other materials in the report, Official Munitions Production of the United States, WPB. Information on requirements has been developed on ammonia, beryllium, aircraft gasoline of two grades, mica, monel, quartz crystals, and several forms of steel, in addition to the materials shown.

STOCKPILES

Among the materials considered in these diagrams, the following five alone have a stockpile available for war uses in this country, as follows, in thousands of pounds:

Antimony	18,600	Rubber	966,336
Mercury	2,204	Zinc	370,000
Tin	108,000		

MATERIALS CONTROL

Administrative control over materials may be improved by more adequate statistical records. Through the administration of the priorities system, attempt has been made to match requirements with actual supply. Of current interest is the assignment made in July to a joint committee of the Army-Navy Munitions Board and the War Production Board, to study, review and simplify the Production Requirements Plan. The chairman is H. P. Nelson, assistant Chief of the Bureau of Priorities. Basis of the PRP, established at the first of this year, is the estimated requirement of manufacturers for critical materials in terms of all products going into the war program.

SECRET

STATISTICS AND PROGRESS BRANCH
CONTROL DIVISION - HEADQUARTERS,
SOS - 8-6-42

DEFICIENCIES AND DEVELOPMENTS - RESOURCES - AUGUST 6, 1942 (Continued)

Intended likewise to bring priorities into line with actual materials available, the new priority classification effected July 15, is based upon the whole supply program. An investigation of this basis, in order to translate requirements into the materials to be given priority distribution, is being made at present by the Resources and Control Division, Headquarters, SOS.

Meanwhile an allocation system is emerging. Where a priority is a right to buy, an allocation is a directive to the fabricator of the raw or basic material as to which of his several orders to fill at a given time. This method has prevailed for several months in the case of steel plates, copper, nickel, aluminum and other materials, and complete records of deliveries are available. This method enables the Services to know how much of these materials they will get in total each month, but there is little coordination between the control of the different materials.

Finally the so-called warrant system is being experimented with in the War Production Board in the case of selected items of naval aircraft. This plan is akin to that of rationing, in that the number of coupons adds up to the actual anticipated supply. It is intended, moreover, to so operate that the combined control over several materials may be achieved by clearing the warrants through the prime contractor.

REVISED REQUIREMENTS

The revised Section I, Army Supply Program is to be published by the Requirements Division, SOS about August 15. This constitutes a recalculation of the former report with improved accuracy in the use of allowance and distribution factors. There has been some shifting of items from former Section III, a new edition of which has been planned for appearance in September.

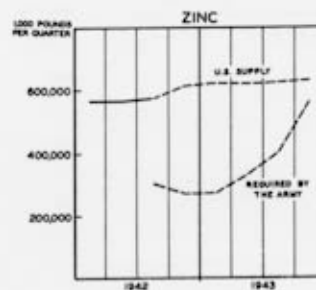
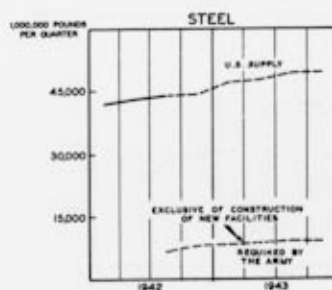
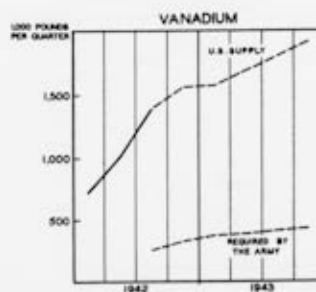
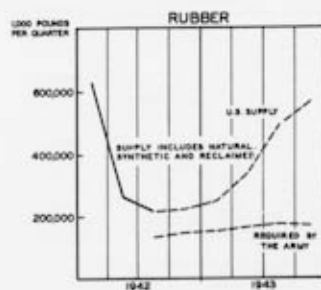
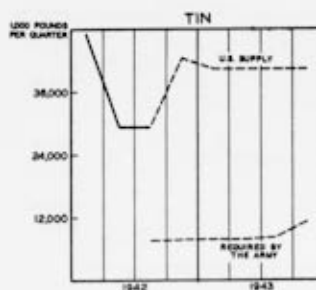
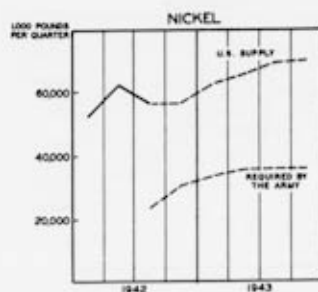
COPPER SHORTAGE

Until recently it has been assumed that by drastic curtailment of domestic consumption, the military requirements for copper in 1942 could be met. Proposals for increasing copper production were discussed but it was decided that rather than tie up valuable materials in new construction, expansion should come from more extensive mining, working multiple shifts, and providing better working and living conditions for the miners. Due to natural limitations this increase will not be more than about 10 percent in 1942 and 20 percent in 1943.

At the start of 1942 the military demands increased to such an extent that a shortage was foreseen and measures were taken to reduce the military requirements. For example, small arms ammunition requirements for the year 1942 were reduced to almost half from February to July estimates. Progress in substituting steel for copper in cartridge cases has been rapid, yet the figures comparing supply and demand are still far out of balance. In June the manufacture of small arms was reduced 20 percent from capacity. The situation particularly affects plans within Ordnance, including the building of new facilities for small arms, the program for which is by no means complete.

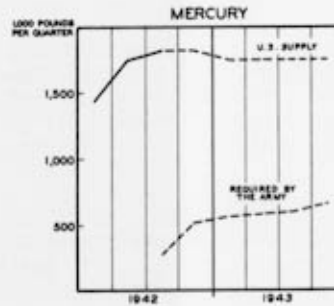
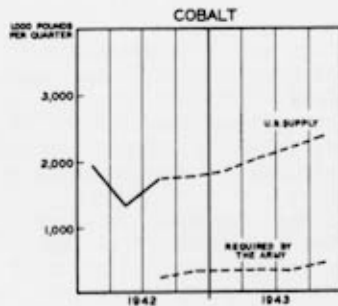
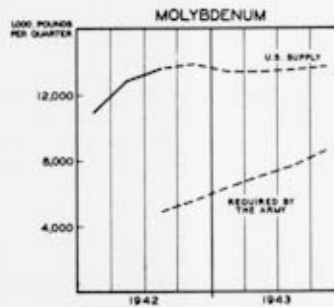
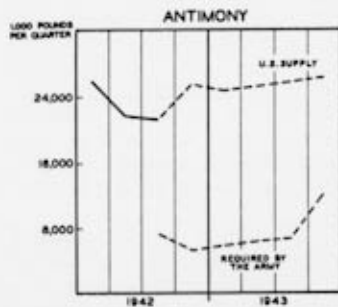
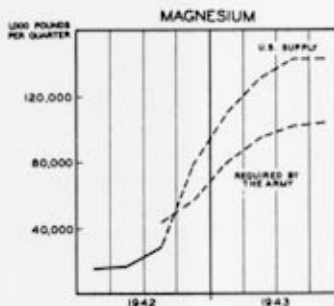
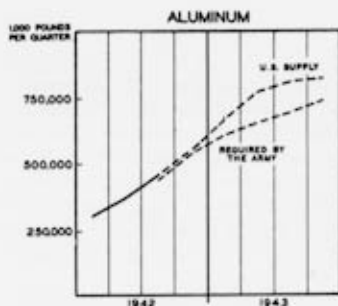
MATERIALS - U.S. SUPPLY AND REQUIREMENTS UNDER ARMY SUPPLY PROGRAM

Sources of Information: War Production Board, Statistics Division (Official Munitions Production in the U.S. No. 4, July 1, 1942).
Resources Division, SOS, (Report on Raw and Basic Industrial Materials, July 25, 1942).



MATERIALS - U.S. SUPPLY AND REQUIREMENTS UNDER ARMY SUPPLY PROGRAM

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DEFICIENCIES AND DEVELOPMENTS - ORDNANCE DEPARTMENT - AUGUST 6, 1942

Source of Information: Ordnance Department

AMMUNITION-GUN BALANCE

Extensive studies have indicated the lack of balance between the production of guns and ammunition. Steps were about to be taken to remedy the situation when it was learned that ammunition requirements of the new Army Supply Program are to be radically changed. Efforts will be made to establish a correct relationship between the output of guns and ammunition, based on the new requirements which are due in August.

STEEL CARTRIDGE CASES

Because of the limited supply of brass, steel cartridge cases are being developed. Technical problems in the production of the steel cases, 20mm through 105mm, have been almost entirely overcome. Shortages of the type of steel used for production of this item and of machine tools are delaying large scale production. Limited production of 20mm and 37mm steel cases is already underway; the production of a half million 75mm cartridge cases is expected in August. Proof lots of the new steel cases are being fired daily. The results indicate that an increasing number of facilities are perfecting their manufacturing methods.

When steel and machine tools are available, manufacturers will be ready to produce in large quantities. Requests for steel allocations have been made and should be met in the near future. The machine tool picture is gradually clarifying.

MATERIAL SHORTAGES

The two manufacturers of seamless steel tubing for the 60mm mortar shut down for several weeks in July due to lack of material. Production of the 37mm antitank gun fell below the July schedule because a subcontractor manufacturing forgings did not receive scheduled steel deliveries. The shortage was attributed partly to a steel mill breakdown.

NEW DEVELOPMENTS

A medium tank, M4 is being equipped for test with special items intended to provide a vehicle more suitable for desert warfare. The special features which are being incorporated in this vehicle include an evaporative cooling unit and metal foil insulation to reduce heat within the crew compartment.

Procurement of a 90mm gun motor carriage for use as an antitank weapon has been approved by the Ordnance Technical Committee. The 90mm antiaircraft gun appears to have the ballistic qualifications for an ideal antitank weapon. The German Army has had considerable success in using the 88mm antiaircraft gun against tanks. The pilot model of the new vehicle will consist of a 90mm antiaircraft gun mounted on a medium tank, M4 chassis.

Two pilot 40mm gun motor carriages are being manufactured. This gun motor carriage is intended as a weapon for antiaircraft use employing direct open sights. Tests will be made to determine the suitability of an antiaircraft gun of this type. The weapon is made up of a 40mm antiaircraft gun, M1 mounted on a half-track, M3 chassis.

MEDIUM TANK CHASSIS AND COMPONENTS

Source of Information: Ordnance Department

The tank chassis, the schedule for which is indicated below, will be used as a mount for the self-propelled 3" gun and 105mm howitzer, in addition to its main purpose as a component of the medium tank.

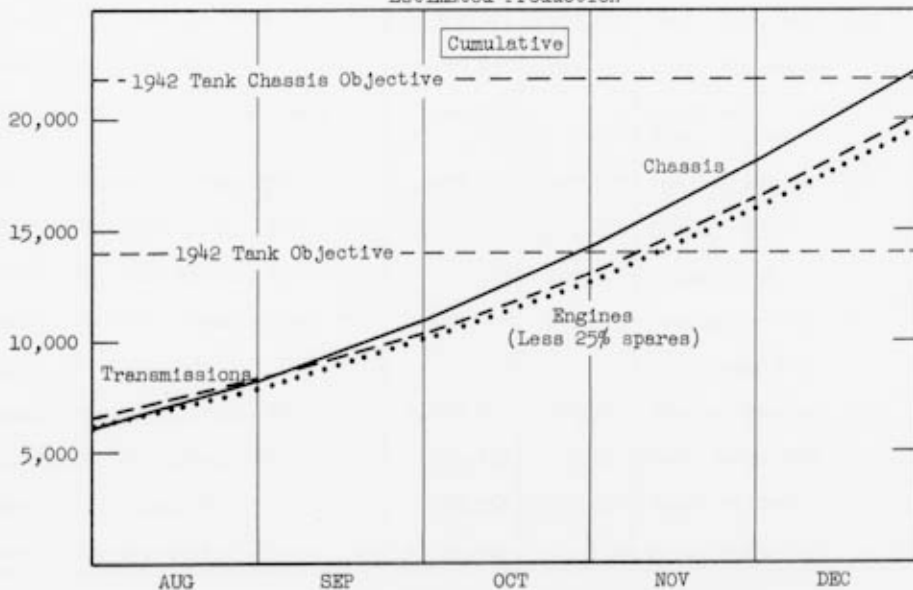
The estimated 1942 output of the transmission final drive unit is still below the number required for the chassis. This component requires a great deal of machining; its complicated construction has made the set up for mass production difficult. In the future, spare parts will be supplied for the transmission final drive unit, instead of delivering spare transmissions in complete units, as was formerly planned.

Although engine output will undoubtedly be sufficient to meet the production of medium tank chassis, it is not expected to be adequate to furnish the additional anticipated requirement for 25 percent spares. The engine situation is further complicated by the fact that there is a question as to whether 2,996 new type engines planned for production in 1942 will work out satisfactorily. These engines are still in the experimental stage.

It is well to note that the supply of armor plate and armor castings, not covered in the chassis study below, is the most important limiting factor in the production of medium tanks and self-propelled artillery weapons.

COMPONENTS OF MEDIUM TANK CHASSIS

Estimated Production



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AMMUNITION - LIMITING FACTORS

Source of Information: Ordnance Department

Tabulated below are items of ammunition, the production of which is to be accelerated by all possible means. The items and the limiting factors are those indicated on the Ordnance Department Short List of July 15, 1942.

Item	1942 Production		Limiting Components
	Required	Thru July 20	
Shot, AP, 20mm, M75	35,522,000	191,000	Shot body, M75
Shell, HE, 40mm, MkII	20,653,153	1,366,289	Shell body, MkII Tracer and igniter #12 Fuze, PD, M64 Case, cartridge, M25
Shot, AP, 40mm, M81	1,998,000	0	Shot body, M81
Shot, AP, 57mm, M70	6,420,000	125,907	Case, cartridge, M23A1 Primer, M38
Shell, HE, M49A1, 60mm mortar	9,159,070	4,298,203	Primer, M32
Shell, HE, 75mm gun, M48	10,566,871	2,707,653	Case, cartridge, M18
Shot, AP, 75mm, M61	7,189,272	2,839,526	Fuze, BD, M66A1
Shell, HE, AT, 75mm how., M66	148,770	0	Shell body, M66 Fuze, BD, M62
Shell, chemical, 75mm, M64	1,428,060	195,717	Casing, burster, M6
Shell, HE, 81mm mortar, M43	3,476,152	1,726,876	Primer, M33
Shell, HE, 81mm mortar, M56	925,575	188,516	Primer, M34
Shell, chemical, 81mm mortar, M57	472,648	247,613	Casing, burster, M2
Shot, AP, 90mm, M77	360,150	0	Shot body, M77
Shell, chemical, 105mm, M60	2,029,830	590,173	Casing, burster, M5
Shell, HE, AT, 105mm, M67	219,198	1,611	Shell body, M67
Shell, AP, 155mm, M112	292,560	10,296	Fuze, BD, M60
Shell, HE, 8", M103	22,400	0	Shell body, M103

PROCUREMENT STATUS OF SELECTED ORDNANCE ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Ordnance Department

Item	STATUS OF 1942 REQUIREMENTS				MONTHLY ACCEPTANCES			
	Total Require- ments	Not Under Contract	Acc. Jan 1 thru Jul	Per- cent Acc.	Actual		Forecast	
					Jun	Jul	Jul	Aug
EQUIPMENT (a)								
Combat Vehicles								
Personnel carrier, M2, M3 & M4	9,183	-	4,631	50	433	527	625	1,029
Armored cars (all)	8,937	-	0	0	0	0	0	10
Tank, light	10,588	-	3,972	38	771	831	865	1,114
Tank, medium	14,000	-	3,692	41	965	1,129	1,142	1,760
Small Arms								
Rifle, cal.30, M1	985,376	-	364,161	37	58,980	63,690	60,000	60,500
Carbine, cal.30, M1	2,015,901	408,698	2,932	(4)	562	2,550	3,500	9,200
Rifle, cal.30, M1903	264,931	-	166,622	63	32,162	29,075	31,000	31,000
Machine gun, cal.30, AC	114,957	-	57,046	50	10,050	11,801	10,100	11,100
Machine gun, cal.30 (Var.)	132,850	-	73,286	55	15,211	9,063	17,550	18,900
Submachine gun, cal.45	976,183	-	336,424	34	57,204	34,905	60,000	60,000
Pistol, cal.45, M1911A1	305,627	-	49,908	16	11,100	11,084	11,300	14,750
Machine gun, cal.50, AC	188,488	-	116,155	62	20,730	18,903	22,253	23,200
Machine gun, cal.50, AA	32,436	-	21,421	66	4,946	4,179	4,925	5,025
Machine gun, cal.50, HB	73,459	-	19,892	27	3,746	4,242	3,650	4,650
Artillery								
Gun, 20mm, AC	41,710	-	30,099	77	6,282	5,641	6,000	6,000
Gun, 37mm, AC	4,983	-	2,576	52	463	421	570	660
Gun, 37mm, AA	3,500	-	754	22	203	197	250	260
Gun, 37mm, tank, M2 & M3	19,763	-	12,347	62	2,006	2,349	2,450	2,450
Gun, 37mm, AT, wheeled & SP	17,000	-	6,939	41	1,584	1,768	2,400	1,800
Gun, 40mm, AA, M1	11,100	-	2,018	18	589	871	800	1,100
Mortar, 60mm	3,729	-	3,007	81	854	302	600	500
How., 75mm, SP, field & pack	3,052	-	575	19	48	90	75	65
Gun, 75mm tank	14,190	-	9,017	64	2,415	2,415	2,491	2,606
Gun, 75mm, AT, SP	50	-	860	1,720	178	156	109	68
Gun, 3", AT, SP	5,378	773	0	0	0	0	0	5
Mortar, 81mm	3,720	-	2,797	75	652	660	514	536
Gun, 90mm, AA	2,750	-	1,035	38	178	277	214	261
Howitzer, 105mm, wheeled & SP	5,817	-	3,111	53	184	344	705	581
Gun, 155mm, M1	458	-	247	54	37	36	40	45
AMMUNITION (a) (Figures in thousands)								
Bombs								
Bomb, GP, 100# (b)	1,897	-	793	42	38	82	59	80
Bomb, GP, 250#, 500# (b)	1,252	-	304	24	23	73	59	80
Bomb, GP, 500# (b)	815	-	317	39	54	48	35	35
Bomb, GP, 1000# (b)	724	-	44	6	8	16	15	18
Bomb, GP, 2000# (b)	38	-	3	8	0	0	1	5
Small Arms								
Cartridge, cal.30 (c)	6,342	-	2,896*	46	592	692*	638	685
Cartridge, cal.45 (c)	3,199	-	424*	13	59	69*	82	95
Cartridge, cal.50 (c)	2,279	-	529*	23	124	153*	138	172
Artillery								
Cartridge, HE, 20mm, AC	45,306	-	2,999	7	1,138	244	3,245	3,500
Shell, HE, 37mm, AC	1,628	-	1,093	67	9	181	160	200
Shell, HE, 37mm, AA	5,105	-	4,998	98	780	830	633	400
Shell, HE, 37mm, T & AT	12,377	-	3,137	25	656	804	1,467	1,500
Shell, HE, 40mm, AA	20,653	-	1,384	7	196	156	272	300
Shell, HE, 75mm gun	10,594	869	3,477	33	608	752	747	575
Shell, HE, 75mm howitzer	6,748	-	3,320	49	562	627	232	625
Shell, HE, 90mm, AA	5,866	-	1,607	27	292	510	280	600
Shell, HE, 105mm howitzer	10,855	-	5,024	46	706	1,193	802	737
Shell, HE, 155mm gun	1,062	-	120	11	0	33	55	100
Miscellaneous								
Shell, HE, 60mm mortar	9,159	-	4,500	49	532	480	780	850
Shell, HE, 81mm mortar	4,402	-	527	12	0	321	414	550
Mine, antitank	2,450	-	1,101	45	198	47	0	0

(a) Preliminary production figures; Equipment - thru July 30, Ammunition - thru July 31.

(b) Unfused.

(4) Less than one percent.

(c) Figures in millions.

* Production thru July 29.

Figures include procurement for International Aid and other services.

DEFICIENCIES AND DEVELOPMENTS - SIGNAL CORPS - AUGUST 6, 1942

Source of Information: Office of the Chief Signal Officer, Materiel Division
Procurement Branch, Statistical Section.

PRIORITIES

"No materials could be purchased until the place of manufacture was approved by the War Industries Board and evidence was furnished its Priority Section as to the exact quantity of raw materials required and their relative importance as compared with other war demands...The simplest item of purchase in the articles required by the Signal Corps was not available without first obtaining priority as to raw material...(The) limited possible sources and scarcity of raw material which nearly always included copper, rubber, zinc, steel, and leather...frequently made quick action in procurement difficult."

This extract from the Chief Signal Officer's Annual Report for 1919 was prophetic of the condition in August, 1942. The contemporary situation concerning priorities and Signal Corps procurement is in most respects a duplication of the experiences in the first World War. The magnitude of the task of adjusting available materials to Signal Corps requirements, and the inevitable details which that task involves frequently makes quick action in procurement difficult, but not impossible.

In the beginning of the war production period, the Signal Corps fared relatively poorly under the priorities system. But strenuous efforts to obtain maximum ratings for signal equipment followed. In the only overall study made by the Priorities Subsection of the Procurement Branch, in April, 1942, approximately 63 percent of the dollar volume of prime contracts issued by the Signal Corps were found to be in A-1-a, the highest regular priority category.

However, the fact that the Signal Corps and all other branches of the Army and Navy were equally efficient in obtaining high priority ratings resulted in the War Production Board's Priority Regulation #12, on June 26, 1942. The purpose of this order was to superimpose five new ratings (AAA, AA-1, AA-2, AA-3, and AA-4) upon the existing A-1-a to A-1-k, the A-2 to A-10 and the B-1 to B-10 ratings. (The AA rating was abolished altogether)

The new ratings, which supplement but do not supplant the old ratings, were designed to place the procurement of combat or tactical equipment required in 1942 and early in 1943 ahead of all other items. One result of the new priority regulation, which went into effect on July 15, 1942, has been to raise substantially the priority ratings of many items under procurement by the Signal Corps. One hundred percent of all Signal Corps equipment listed in the Army Supply Program, (Parts I and II) and required in 1942, as well as a portion of these same items required in 1943, now enjoy one or more of the various AA categories, the highest possible regular ratings obtainable. Approximately 35 percent of the items fall into AA-1, 55 percent in AA-2 and the balance is divided between AA-3 and AA-4. Much of this equipment previously had been rated lower than A-1-a. The corollary to this fact has been the relative lowering of certain equipment previously accorded maximum ratings.

But, however useful the new ratings promise to be for the procurement of Signal Corps equipment, the new system is neither a general panacea nor a solution of the basic problems of raw material shortages. While the details involved in processing 20,000 preference rating certificates issued monthly by the Signal Corps Procurement District Offices are not serious sources of delay, the time and effort required in processing P.R.P. forms PD-25A, and the interim applications for materials (PD-25F) through the W.P.B. are serving only to hinder the rapid procurement of signal equipment. In brief, the net effectiveness of the new priority regulations is probably yet to be determined.

SIGNAL CORPS - LIMITING FACTORS - SELECTED ITEMS

Source of Information: Office of the Chief Signal Officer, Materiel Division,
Procurement Branch, Statistical Section

Item	1942 Production		Limiting Components
	Required	Through July 31	
Control Net System SCS-3	53	0	Truck K-55
SCR-187	2,458	708	Transmitter BC-191
SCR-188	2,407	487	Transmitter Equipment EC-ME and 191-C Rectifier Power Equipment RA-34
SCR-245	2,013	1,973	Receiver BC-312 Transmitter Components EC-223 Dynamotor PE-135
SCR-269	42,895	10,374	Indicator I-82
SCR-274	96,131	18,172	Control Box BC-450
SCR-284	17,912	2,010	Transmitter and Receiver BC-654 Power Unit PE-103 Generator GN-45
SCR-508	3,799	966	Radio Transmitter BC-604 Dynamotor DM-34
SCR-528	12,629	2,620	Radio Transmitter BC-604 Dynamotor DM-34
SCR-517-A	500	101	Inverter Power Control Unit Transmission Lines Spinner for Antennae
SCR-540	400	137	Indicator Unit BC-750-A
SCR-522	53,915	3,071	Dynamotor PE-94
SCR-608	6,197	622	Dynamotor DM-34 Dynamotor DM-35
SCR-628	2,067	621	Dynamotor DM-34 Dynamotor DM-35
Signal Lamp Equip. EE-84	1,361	564	Signal Lamp M-132
Telegraph Central Office Set TC-3	374	0	Rectifier RA-43 Switchboard BD-100
Telephone Central Office Set TC-4	1,378	0	Test Set EE-65

PROCUREMENT STATUS OF SELECTED SIGNAL CORPS ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Office of the Chief Signal Officer, Materiel Division,
Procurement Branch, Statistical Section

Item	STATUS OF 1942 REQUIREMENTS				MONTHLY DELIVERIES			
	Total Require- ments	Not Under Contract	Del Jan 1- Jul 22	Per- cent Del	Actual		Forecast	
					Jun	Jul 1-22	Jul	Aug
<u>AIRCRAFT RADIO COMMUNICATION AND NAVIGATION EQUIPMENT</u>								
Frequency Meter SCR-211	51,452	-	10,896	21	2,517	1,616	3,100	4,300
Interphone Equipment RC-36	43,456	-	8,902	20	3,023	1,072	2,500	3,000
Command Radio								
SCR-274	96,131	23,395	14,288	15	4,205	1,695	3,200	3,700
SCR-522	53,915	16,821	2,633	5	624	998	3,500	4,200
Liaison Radio SCR-287	38,895	-	4,763	12	1,128	562	800	800
Marker Beacon Equipment								
RC-43	39,124	-	27,645	71	5,177	3,716	6,000	6,000
Radio Compass SCR-269	42,895	-	9,581	22	3,525	1,536	3,500	4,000
Absolute Altimeter								
SCR-518, SCR-618	17,600	-	413	2	155	258	500	750
<u>WIRE COMMUNICATION EQUIPMENT</u>								
Reel Equipment CE-11	26,777	-	28,359	106	6,559	5,200	5,000	5,000
Switchboard RD-71	2,327	-	1,017	44	298	66	200	200
Telegraph Set TG-5	9,013	-	3,856	43	556	127	500	1,000
Telephone EE-8-A	135,876	-	65,675	48	13,592	18,229	25,000	25,000
Telephone Central Office								
Set TG-4	1,378	733	0	0	0	0	10	20
Wire W-110 (Thous. Miles)	367	-	370	101	54	40	63	88
Wire W-130 (Miles)	60,218	-	41,381	69	8,747	6,538	10,000	10,000
<u>GROUND RADIO COMMUNICATION</u>								
<u>RADIO SETS</u>								
Ground-Air Liaison and Army, Corps and Division Communication								
SCR-188	2,407	-	220	9	34	119	250	400
SCR-197	2,346	369	51	13	0	0	0	50
SCR-299			250		0	0	0	100
Intra-Regiment Communication								
SCR-264	17,912	-	1,460	15	610	850	1,000	1,500
SCR-268			1,277		393	77	339	0
Short Range Portable								
SCR-536	14,310	877	9,620	67	2,238	937	2,500	2,250
Short Range Vehicular								
Field Artillery								
SCR-610	19,248	-	8,290	43	2,503	5,057	5,000	5,000
Vehicular and Tank								
Armored Force								
SCR-293 PM Type	3,799	-	706	44	148	118	150	134
SCR-508 PM Type III			966		155	214	200	400
SCR-506 PM Type II			4,733		PRODUCTION STARTS IN NOVEMBER, 1942			
<u>RADIO-AIRCRAFT DETECTION AND RECOGNITION EQUIPMENT</u>								
SCR-268	1,797	-	270	15	46	53	80	120
SCR-520 AI-10	950	-	4	(a)	0	0	0	57
SCR-521 US-ASV, MK II	7,114	-	1,817	26	1,244	0	650	650
SCR-535 HR.-IFF, MK II	15,000	-	6,831	46	2,813	2,005	4,000	4,000
<u>MISCELLANEOUS SIGNAL EQUIPMENT</u>								
Charging Set SCR-169	2,525	-	200	8	200	0	400	500
Signal Lamp Equip. EE-84	1,361	-	559	41	0	40	100	200
Sound Ranging Set GR-3	78	-	27	35	5	2	5	5
Test Set I-56	8,768	1,901	700	8	0	102	205	100

Figures include procurement for International Aid and other Services.
(a) Less than one percent.

DEFICIENCIES AND DEVELOPMENTS - CORPS OF ENGINEERS - AUGUST 6, 1942

Source of Information: Office of the Chief of Engineers

STEEL SHORTAGE

Bars, Shapes, and Machined Steel Products: Delivery of 1,000 engines of the Storm Boat type by Evinrude Motors is being limited by a delay in the procurement of 17,000 pounds of steel needed during the month of September for the manufacture of gears used in the production of these engines. The material for these gears is now promised for October. The War Production Board advises that this steel will be rolled during September.

Deliveries of 40 bridges needed for troops now in the field is being delayed pending receipt of channel iron.

Production of Schuler axles by General Electric Company is being delayed by the inability to secure steel for axles. These axles are used in the assembly of power plants for 60 inch anti-aircraft searchlights.

Deliveries of 24 inch searchlights, manufactured by Mole-Richardson Company, is being delayed by difficulty in securing bearings.

Production of the Caterpillar Tractor Company is seriously limited by the shortage of 37,000 tons of all kinds of steel. This plant is presently engaged in the manufacture of tractors and diesel motorized road graders.

Manufacture of road graders at the Galion Iron and Manufacturing Company is being retarded by the inability to obtain steel bars.

Plate: The delivery of 58 lubricators manufactured by the Stewart Warner Corporation is being delayed by the shortage of 6,000 pounds of steel plate. Material for this order is not included in the quantity of steel scheduled for production for August delivery.

STATUS OF PASSIVE PROTECTION MEASURES - JULY 5, 1942

Source of Information: Office of the Chief of Engineers

Passive protection measures are those steps taken for the protection, in the event of aerial observation or attack, and if necessary for the continuous operation under the same conditions, of existing installations and new construction vital to the war effort. These measures apply to existing installations and new construction within the critical zones two hundred miles inland from the Atlantic and Pacific Coasts, and one hundred miles inland from the Gulf of Mexico except in the case of Ground Troops Stations. For these, the critical zones consist of the areas within two hundred miles of the Atlantic and Pacific Coasts only. Sault Ste. Marie, Michigan is designated as a critical area by War Department directive.

The accomplishment of passive protection measures in compliance with War Department directives is based on policy established by the War Department, and upon the best estimate of the situation as made by the District Engineer concerned. Each individual project represents the application of one or more of six different types of measures as indicated below:

SITING - The location should be outside the critical areas if possible; if not, a site with good camouflage possibilities should be selected.

DISPERSION - The spreading out of buildings to reduce the possibility of damage from aerial attack.

TONE DOWN - The reduction of all portions of the installation to a single low-keyed color possessing a dull mat surface making observation at night under the conditions of an aerial attack more difficult, and rendering the installation less conspicuous in daylight.

CAMOUFLAGE - The more extensive efforts to conceal the installations and confuse the bombardier.

BLACKOUT AND WARNING - Measures established in accordance with War Department Policy, meeting the requirements of the Commanding Generals of the Defense Commands, and in the case of munitions plants, of the Commanding General, Services of Supply. This includes provisions for installations which must continue to operate during blackouts.

STRUCTURAL MEASURES - Measures taken to protect personnel, machinery, and other equipment under conditions of sustained aerial raids.

The first and, except in special cases, the second of these types of measures are applicable only to new construction. The status of the other four types as applied to existing plants is shown in the table below. The information is as of July 5, 1942, and covers all but one of the 232 current projects.

Number of Projects

Type of Passive Protection Measure	Not justified	Planned but not started	Started but not completed	Completed	Total
Tone Down	66	33	79	53	231
Camouflage	119	45	63	4	231
Blackout and Warning	1	6	86	138	231
Structural Measures	166	17	20	28	231

STATUS OF PASSIVE PROTECTION MEASURES - JULY 5, 1942 (continued)

The total estimated cost of the current program for accomplishment of passive protection measures is \$34,242,439 of which \$6,084,997 (17.8 percent) is in place. Of the 232 current projects, 58 are completed, 173 are under construction, and one has not been started. Their status as of July 5, 1942 is summarized below by geographic divisions:

Division	Total Program			Under Construction		Completed Value in Place
	Estimated Cost	Value in Place	Percent Complete	Estimated Cost	Value in Place	
New England	\$ 892,814	\$ 196,148	22.0	\$ 891,671	\$ 195,005	\$ 1,143
North Atlantic	3,747,483	321,932	8.6	3,735,159	309,608	12,324
Middle Atlantic	5,075,762	1,340,124	26.4	5,063,817	1,328,179	11,945
South Atlantic	3,228,252	672,227	20.8	3,154,085	598,060	74,167
Great Lakes	792,000	26,630	3.4	792,000	26,630	0
Lower Miss. Valley	721,800	64,379	8.9	721,800	64,379	0
Southwestern	510,972	15,662	3.1	509,700	14,390	1,272
North Pacific	5,981,789	1,211,178	20.2	5,955,583	1,184,972	26,206
South Pacific	13,291,567	2,236,717	16.8	13,087,531	2,032,681	204,036
TOTAL	34,242,439	6,084,997	17.8	33,911,346	5,753,904	331,093

Four divisions show less than 10% program completion. These are: The North Atlantic, Great Lakes, Lower Mississippi Valley, and Southwestern divisions. The status of projects in these divisions is shown below:

Division	Totals	Completed	Number of Projects	
			Not Started	Under Construction
North Atlantic	46	15	1	30
Great Lakes	1	0	0	1
Lower Miss. Valley	5	0	0	5
Southwestern	5	2	0	3

The project which has not been started is at the Syracuse Machine Gun Plant, Syracuse, New York. There are no figures available for either starting dates or scheduled completion dates for this project.

The lone project in the Great Lakes Division involves passive protection measures in progress at the St. Mary's Falls Canal, Sault Ste. Marie, Michigan. These measures include blackout warning and structural measures. Blackout warning measures began June 15, 1942 and were completed June 30, 1942. Work on the structural measures began June 1, 1942 and is scheduled for completion April 15, 1943. For this critical area Blackout Warning and Structural Measures are the only passive protection measures justified from a practical and financial standpoint.

PROCUREMENT STATUS OF SELECTED CORPS OF ENGINEER ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Supply Division, Office of the Chief of Engineers

Item		STATUS OF 1942 REQUIREMENTS				MONTHLY DELIVERIES			
		Total	Not	Del.	Per-	Actual		Forecast	
		Require- ments	Under Contract	Jan 1- Jul 31	cent Del.	Jun	Jul 1-31	Jul	Aug
Auger, earth, motorized	Troop Equip.	0	-	33	-	5	0	0	0
	Int. Aid	0	-	6	-	0	0	0	0
Balloon, Barrage	Troop Equip.	(a)	-	1,325	(a)	401	0	(a)	(a)
Boat, Half, w/7 Paddles	Troop Equip.	3,385	-	0	0	0	0	300	300
	Int. Aid	2,000	200	0	0	0	0	0	0
	Others	(b)	-	24	(b)	0	24	0	550
Boat, power, with trailer	Troop Equip.	143	-	120	84	0	61	5	25
	T of O	(b)	-	70	(b)	42	10	0	0
	Int. Aid	100	-	0	0	0	0	25	25
Boat, reconnaissance	Troop Equip.	2,190	640	0	0	0	0	30	0
	Int. Aid	0	-	0	0	0	0	0	90
	Others	(b)	-	0	(b)	0	0	0	0
Bridge, steel, port., E-10	Troop Equip.	27	-	16	59	0	0	(c)	(c)
	T of O	(b)	-	0	(b)	0	0	0	0
	Int. Aid	15	12	3	20	0	0	0	0
Bridge, steel, port., E-20	Troop Equip.	0	-	51	-	0	2	3	0
	T of O	(b)	-	0	(b)	0	0	(c)	(c)
	Int. Aid	17	-	11	65	7	1	4	0
Bridge, steel, trestway	Troop Equip.	5	-	0	0	0	0	(a)	(a)
	Int. Aid	53	-	104	196	24	20	19	19
	Others	(b)	-	0	(b)	0	0	0	0
Compass lensatic, (thou)	Troop Equip.	529	-	0	0	0	0	150	160
	T of O	(b)	-	81	(b)	48	33	0	0
	Int. Aid	149	-	49	33	0	0	12	12
	Others	(b)	-	1	(b)	0	0	0	0
Compressor, air motorized	Troop Equip.	75	-	49	65	0	0	0	0
	T of O	(b)	-	37	(b)	12	17	25	25
	Int. Aid	9	-	6	67	0	0	0	0
	Others	(b)	-	0	(b)	0	0	0	0
Duplicating equipment, 18" x 18"	Troop Equip.	625	-	555	89	0	0	0	0
Electric Lighting Equip., 5KVA	Troop Equip.	1,014	-	389	36	67	0	120	120
	T of O	(b)	-	50	(b)	0	0	0	0
	Others	(b)	-	5	(b)	0	0	0	0
Electric lighting Equip., 5KW	Troop Equip.	251	-	109	43	0	0	61	122
	T of O	(b)	-	701	(b)	113	193	200	200
	Int. Aid	100	-	163	163	0	0	0	0
	Others	(b)	-	69	(b)	0	0	0	0
Explosive, amm. nitr. (tons)	Troop Equip.	1,680	980	125	7	75	0	80	80
Explosive, TNT (tons)	Troop Equip.	4,299	2,049	1,301	30	213	0	135	135
Float, pneumatic	Troop Equip.	1,739	-	980	56	445	535	235	0
	Int. Aid	500	-	2,630	526	1,630	718	700	56
	T of O	(b)	-	0	(b)	0	0	0	0
	Others	(b)	-	669	(b)	0	378	50	114
Grader, road, motorized	Troop Equip.	103	-	113	110	50	1	20	30
	Int. Aid	0	-	0	-	0	0	0	0
Instruments, drawing, field	Troop Equip.	10,295	-	7,901	77	1,150	3,291	4,250	5,887
	Int. Aid	0	-	153	-	0	0	0	0

(a) Being developed (b) Program developed as needed (c) Contingent upon receipt of material

PROCUREMENT STATUS OF SELECTED CORPS OF ENGINEER ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Supply Division, Office of the Chief of Engineers

Item		STATUS OF 1942 REQUIREMENTS				MONTHLY DELIVERIES			
		Total Require- ments	Not Under Contract	Del. Jan 1- Jul 31	Per- cent Del.	Actual		Forecast	
						Jun	Jul 1-31	Jul	Aug
Mixer, Concrete	Troop Equip.	172	4	40	23	0	40	60	28
	T of O	(a)	-	55	(a)	35	7	0	0
	Int. Aid	0	-	42	-	15	0	0	20
Ponton, bridge, 10-ton	Troop Equip.	37	5	4	11	2	2	4	4
	T of O	(a)	-	0	(a)	0	0	(b)	(b)
	Int. Aid	12	-	10	83	0	0	(b)	(b)
Ponton, bridge, 25-ton	Troop Equip.	57½	7	18	31	0	0	(b)	(b)
Searchlight, 24", beach defense	Troop Equip.	174	48	126	72	20	16	0	0
	T of O	(a)	-	0	(a)	0	0	0	0
Search, AA, 60" mobile	Troop Equip.	1,424½	-	867	61	197	119	75	125
	Int. Aid	2,165	-	0	0	0	0	0	0
	Others	79	79	0	0	0	0	0	0
Semi-trailer, 1500 gal. water	Troop Equip.	435	230	39	9	1	38	72	80
	T of O	(a)	-	50	(a)	11	39	28	0
Shovel, gasoline, ½ yd.	Troop Equip.	202	-	87	43	12	13	12	22
	T of O	(a)	-	68	(a)	25	32	24	14
	Int. Aid	0	-	4	-	0	0	0	5
Stereocomparegraph equip.	Troop Equip.	51	-	130	255	0	0	0	0
Stereoscope, mirror, w/bin	Troop Equip.	2,474	-	1,622	66	572	355	71	200
	Int. Aid	0	-	0	-	0	0	150	134
Tractor, medium, w/angledozer	Troop Equip.	653	19	159	24	72	42	85	210
	T of O	(a)	-	65	(a)	0	0	240	60
	Int. Aid	315	314	0	0	0	0	0	0
Trailer, (light tractor)	Troop Equip.	165	-	116	70	0	4	48	0
Trailer, (medium tractor)	Troop Equip.	724	-	244	34	0	244	200	200
	T of O	(a)	-	65	(a)	0	65	0	0
	Int. Aid	0	-	30	-	0	6	0	0
	Others	(a)	-	0	(a)	0	0	0	0
Trailer, 60" searchlight	Troop Equip.	924	-	483	52	0	0	0	0
	Int. Aid	2,165	-	2,165	100	412	153	0	0
	Others	79	79	0	0	0	0	0	0
Trailer, (triangulation tower)	Troop Equip.	47	-	71	151	12	59	39	0
Transit, Engineers, 1 min.	Troop Equip.	806	-	633	79	191	177	100	100
	Int. Aid	0	-	30	-	0	0	0	0
	Others	(a)	-	0	(a)	0	0	0	0
Transit, Engineers, 20 sec.	Troop Equip.	421	-	359	126	67	0	0	0
	Int. Aid	0	-	96	-	12	24	12	12
Triangulation Tower, port.	Troop Equip.	24	-	36	150	16	0	0	0
Water puri. unit, mobile	Troop Equip.	42	-	40	95	2	8	12	0
	T of O	(a)	-	52	(a)	22	10	20	20
	Int. Aid	20	-	0	0	0	0	0	0
Water Supply equipment, Engineer	Troop Equip.	138	-	18	13	0	0	0	0
	T of O	(a)	-	589	(a)	118	172	150	155
	Int. Aid	100	-	0	0	0	0	0	0

(a) Program developed as needed (b) Contingent upon receipt of material (c) Includes 293 for Seacoast Defense

DEFICIENCIES AND DEVELOPMENTS - CHEMICAL WARFARE SERVICE - AUGUST 6, 1942

Source of Information: Chemical Warfare Service Progress Reports

BLEACHING MATERIAL, GRADE "A"

This item has been deleted from the Chemical Warfare Service Program as a decontaminating agent because of its scarcity. The entire quantity of high-test bleach is needed for water-purification purposes.

BLEACHING MATERIAL, GRADE "B"

Plants that make bleaching material do not have the full capacity in warm weather because of lack of cooling water of proper temperature. Therefore, deliveries since March have been materially reduced, but will pick up again in October and November. Procurement objective on this item will be met.

MASK, GAS, DIAPHRAGM

The bottleneck in the production of Diaphragm Masks has been the plastic diaphragm angle tube assembly. Information has been received that these molds have been finally approved and are now in production. This means that the entire quantity now undelivered should be completed by September 30, 1942. Production will then start on the 1943 requirements.

SHELL 4.2" CHEMICAL MORTAR

It is questionable whether Chemical Warfare Service will meet its 1942 objective for 4.2" Chemical Mortar Shells. This procurement is entirely dependent on obtaining the machine-tools and steel. If these become available, the 1942 objective will be met; but the present outlook is not optimistic. It is anticipated that productive capacity beginning January 1, 1943 will be in excess of 250,000 shells per month. Additional facilities may be needed to meet the 1943 and 1944 objectives.

AIRPLANE SPRAY TANK, M 10

The second contract placed through the Air Corps is now complete. Approximately 16,000 are contracted for through the Air Corps. The balance of approximately 25,000 are being procured directly by the Chemical Warfare Service itself. It is expected that these new facilities will be in full production some time this month and will have a capacity of approximately 9,000 tanks per month. This month's deliveries should show an appreciable increase, due to the added production capacity of new facilities.

THE OVER-ALL PROGRAM

In the case of the standard chemical agents there were no existing facilities at the outbreak of the war to meet the requirements. Since that time, however, additional arsenals have been, or are in the process of being, constructed. When these are completed the first part of next year, the Chemical Warfare Service will have built up facilities whose production will meet all present requirements for chemical agents.

The other bottleneck is the lack of materials, for example, steel, brass, rubber and magnesium. The capacity of Government assembly plants for gas masks is well over 1,250,000 per month. This capacity has not been realized due to the lack of these strategic materials. In reference to the Incendiary Bomb programs, the Chemical Warfare Service can cast and load 6,000,000 magnesium Bombs per month, but the maximum amount of magnesium allocated so far is only enough for 1,500,000 four-pound bombs per month. In general, it can be stated that the efforts of this Service will continue to be hindered by the scarcity of materials.

PROCUREMENT PROGRESS - SELECTED CHEMICAL WARFARE ITEMS - JULY 31, 1942

Source of Information: Chemical Warfare Service

Item	1942 Required Production	Deliveries - Jan 1 thru Jul 31	
		Delivered	Percent of 1942 Required Production
			% 0 20 40 60 80 100
Impregnite, Shoe (ton)	4,316	8,897	206
Solvent, Impregnite I (ton)	5,156	10,523	204
Mine, Land, Chemical	398,970	378,077	145
Impregnite I (ton)	1,875	1,819	97
Incendiary Bomb (sub)	13,500,000	12,495,397	93
White Phosphorus (WP) (ton)	12,919	9,347	72
Apparatus, Decont. Power	1,389	932	67
Mask, Gas, Service	2,046,132	1,322,117	65
Canister, Dis. & Srv.	1,617,604	983,375	61
Curtain, Gasproof	681,113	384,627	56
Bomb, Instructional, M2	71,800	37,992	53
Trailer, Chemical Handling	131	55	42
Apparatus, 3 Gal.	42,655	18,076	42
Bleaching Material "B" (ton)	7,014	2,896	41
Apparatus, Decont. (1½ Qt)	544,996	205,867	38
Agent, non-corr. (Gal)	1,370,193	449,281	33
Ointment, Protective (ton)	1,350	349	26
Mask, Gas, Diaphragm	843,200	202,427	24
Paint, Vesicant Detector	4,790,712	690,611	14
Shell, Chemical Mortar	647,481	86,537	13
Airplane tank, M10	47,256	5,845	12
Mustard Gas (HS) (ton)	130,721	13,611	10
Airplane, M20	1,691	156	9
Incendiary Bomb (Mag)	25,470,800	1,806,932	7
Screening Smoke (FS) (ton)	18,479	1,379	7
Dust Respirator	6,868,830	450,346	7
Paper, Vesicant Detector	348,674	21,000	6

PROCUREMENT STATUS OF SELECTED CHEMICAL WARFARE SERVICE ITEMS ON ARMY SUPPLY PROGRAM*

Source of Information: Chemical Warfare Service

Item	STATUS OF 1942 REQUIREMENTS				MONTHLY DELIVERIES			
	Total Requirements	Not Under Contract	Del. Jan 1-Jul 31	Percent Del.	Actual		Forecast	
					Jun	Jul 1-31	Jul	Aug
CRITICAL								
Agent, Non-Corr. (gal)	1,370,193	-	449,281	33	100,657	146,905	100,000	115,000
Apparatus, Decont. Power	1,389	-	932	67	231	291	160	160
Bleaching Material, "B"	7,014	-	2,896	41	737	771	800	800
Bomb, Incendiary (Mag) (a)	25,471	-	1,807	7	330	580	Depends on Mg Del.	
Bomb, Incendiary (Sub) (a)	13,500	-	12,495	93	3,045	2,382	1,500	1,848
Canister, Srv. & Dia.	1,617,604	-	983,375	61	0	60,022	0	0
Chemical Agents (tons)								
Lewisite (M1)	54,000	49,088	159	(b)	28	53	26	26
Mustard (M2)	130,721	-	13,606	10	3,159	5,105	3,000	3,000
Phosgene (CG)	1,081	-	640	59	0	0	0	300
Screening Smoke (FS)	18,479	-	1,379	7	185	454	200	200
Screening Smoke (MT)	474	-	0	0	0	0	350	350
White Phosphorus (WP)	3,830	-	6,431	168	1,235	1,660	Procured as Needed	
Mask, Gas, Diaphragm	843,200	208,554	202,427	24	0	7,784	30,000	60,000
Mask, Gas, Service	2,046,132	-	1,322,117	65	201,621	305,326	300,000	300,000
Tank, Airplane, M10	47,256	-	5,845	12	859	1,446	6,160	5,250
Tank, Airplane, M20	1,691	-	156	9	0	0	0	1,000
Tank, Airplane M21	1,665	-	156	9	22	0	0	0
ESSENTIAL								
Agent, Simulated (M1,M2)	597	-	2,221	372	1,100	421	225	300
Alarm, Gas	34,138	-	0	0	0	0	0	8,309
Apparatus, Decont. (1 1/2 qt)	535,328	-	193,443	36	56,100	9,000	70,000	100,000
Apparatus, Decont. (3 gal)	42,251	-	15,630	37	0	15,630	12,000	12,000
Bomb, Instructional, M2	71,800	-	37,992	53	4,728	33,264	25,000	46,572
Brush, Decontaminating	1,689	578	1,311	69	0	200	0	200
Candle, IM	44,019	10,617	0	0	0	0	5,402	7,000
Cart, Ammunition, 4.2"	334	-	298	89	100	198	100	100
Container, Steel (1 ton)	244,184	139,017	13,377	5	2,054	3,099	2,000	4,000
Curtain, Gasproof	653,702	211,349	352,772	54	40,752	38,397	40,000	40,000
Cylinder, Portable	17,018	-	0	0	0	0	0	5,000
Generator, Smoke, Veh.	51,673	24,840	1,245	2	0	1,120	5,000	8,000
Impregnate I (ton)	1,875	-	1,769	94	387	312	325	325
Impregnate, Shoe (ton)	4,316	-	8,897	206	1,157	1,260	1,157	99
Kit, HS, Vapor Det., M4	394	-	188	48	0	188	0	0
Kit, Repair, Universal M8	6,482	-	0	0	0	0	2,500	5,000
Mask, Gas, Horse, M4	28,248	7,535	0	0	0	0	0	20,713
Mask, Gas, Horse, M5	29,056	10,624	0	0	0	0	18,432	0
Mine, Land, Chemical	398,970	-	578,077	145	0	34,730	0	68,160
Mortar, Chemical, 4.2"	395	-	60	15	27	32	100	100
Ointment, Prot. (ton)	1,261	187	236	19	63	25	124	124
Paint, Ves., Detector, M5	4,790,712	-	690,611	14	0	690,611	0	500,000
Paper, Ves., Detector, M6	348,674	-	21,000	6	0	21,000	0	40,000
Plant, Impregnating, M1	19	4	0	0	0	0	6	8
Respirator, Dust (a)	6,591	1,156	400	6	35	328	100	250
Set, Accessories, L.P.	120	-	3	3	0	0	0	10
Set, Gas, Detonation	59,718	55,034	4,684	8	89	648	648	0
Set, Gas, Instructional	7,660	7,660	0	0	0	0	1,000	1,000
Shell, Chemical Mortar	647,481	-	77,595	12	19,749	32,544	20,000	30,000
Shell, Livens Projector	32,268	-	27,827	86	0	3,500	0	4,467
Sight, Chemical Mortar	411	-	370	90	350	20	350	375
Solvent, Impregnate (ton)	5,158	-	10,523	204	2,189	* 2,976	2,000	2,000

*International Aid and Navy figures not included. (a) Figures in thousands. (b) Less than one percent

DEFICIENCIES AND DEVELOPMENTS - MEDICAL DEPARTMENT - AUGUST 6, 1942

Source of Information: Supply Division - Office of Surgeon General

X-RAY FIELD UNIT GENERATOR AND UNIT, POWER, ELECTRIC: For several months the generator unit for field X-ray equipment and the power unit used for lighting field hospitals have constituted serious production problems. These problems have been overcome through the elimination of considerable quantities of aluminum from the items and through the extension of priority assistance to the one source of supply available at present to the Medical Department, D. W. Onan and Sons Company. It is expected that the contractor will be able to improve his delivery rate on these items. Considerable improvement has already been made and deliveries of the items are now being made at the rate of two each per day.

CHAIR, FIELD, DENTAL: Specifications for the field dental chair have also been revised to eliminate critical aluminum. It was necessary to retard the placing of the contracts for this item, pending the completion of tests of the re-designed chair. Tests have been completed and the first deliveries have been made by the Junior Toy Company, a new source of supply being developed. Contracts are also held by the S. S. White Dental Mfg. Company which had previously been the sole source of supply.

CHEST, FIELD, PLAIN AND CHEST, FIELD, MODIFIED: Medical supplies and equipment for use with field units are packed in very durable chests of uniform size. These chests use considerable quantities of hardware in the form of rivets and handles. The manufacturers of these items have experienced difficulty in obtaining satisfactory hardware from their subcontractors. Assistance has been extended through the purchasing and contracting offices and improvement in the delivery rate is being made.

STERILIZER, HOSPITAL: Production of the complete hospital sterilizers and each of the smaller hospital units has been seriously curtailed by the shortage of brass and of valves. No satisfactory substitute has yet been found for the brass used in water sterilizers. Contracts now being negotiated contain provisions, making possible the immediate utilization of any substitutes which may be developed. In the meantime, all possible assistance is being extended to manufacturers in the procurement of necessary metal parts.

MEDICAL DEPARTMENT - PROCUREMENT OF DRIED HUMAN BLOOD PLASMA - JULY 31, 1942

Source of Information: Supply Division, Office of Surgeon General

The use of dried human blood plasma in transfusions is a very recent development which demonstrated its necessity in the care of the wounded at Pearl Harbor. The preparation of the dried plasma has therefore reached the production stage only during the past six months. The production process requires the separation, by vacuum, of the plasma from the blood cells and the drying of the resulting liquid under absolutely sterile conditions.

The required production is 1,861,487 units; each unit consisting of desiccated plasma equivalent to 250 cc of original blood plasma, 300 cc of sterile distilled water, necessary tubing and hypodermic syringes and needles. Of the number required only 103,669 units have been delivered.

The program initially encountered two factors which restricted production: (1) a critical shortage of the jets and drying equipment required in the processing of the blood, and (2) a lack of interest on the part of the public in the blood donor campaign. Since December 7, the Red Cross blood donor stations have been able to secure an adequate supply of blood to meet the present requirements. The equipment problem has reached its final stages of solution with final delivery of initial equipment expected within the month of August.

Below is a tabulation of the contractors now holding contracts with the Medical Department for dried blood plasma.

Firm	No. of Cont.	Quantity on Contract	Due	Delivered	Completion Date
Abbott	2	100,000	23,700	3,504	3-15-43
Ben Venue	2	75,000	23,200	24	7-1-43
Cutter	2	140,000	49,000	1,140	7-1-43
Lilly	3	215,000	48,500	22,500	6-30-43
Lederle	4	200,000	63,000	51,710	1-30-43
Parke Davis	1	25,000	4,000	0	12-25-42
Reichel	2	125,000	32,040	12,300	7-1-43
Sharp & Dohme	3	255,000	26,100	12,491	6-22-43
TOTAL		1,135,000	269,540	103,669	

PROCUREMENT STATUS OF SELECTED MEDICAL DEPARTMENT ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Supply Division - Office of the Surgeon General

Item	STATUS OF 1942 REQUIREMENTS				MONTHLY DELIVERIES			
	Total Requirements	Not Under Contract	Del Jan 1-Jul 31	Per-cent Del	Actual		Forecast	
					Jun	Jul 1-31	Jul	Aug
SURGICAL DRESSINGS								
Bandage, gauze, roller, 3"	931,424	402,215	424,381	46	132,820	180,700	100,700	52,366
Packet, first aid	3,458	271	1,247	36	240	301	0	0
SURGICAL INSTRUMENTS								
Chisel, bone, osteotome, 12mm	2,642	500	2,077	79	0	805	0	200
Forceps, dressing, 5½"	413,824	255,956	117,513	28	22,845	2,028	54,985	17,005
Forceps, dressing, Bozeman, cur.	48,295	13,272	29,505	61	1,140	309	118	500
Forceps, hemostatic, Halstead	53,773	17,556	22,326	42	44	5,978	3,000	0
Forceps, hemostatic, Rankin-Kelly	378,347	265,417	55,802	15	6,350	15,385	16,349	17,300
Forceps, mastoid, rongeur, Bane	15,710	-	7,748	49	2,300	937	5,100	2,000
Forceps, towel, 5½"	45,108	23,034	19,824	44	2,834	0	2,250	0
Holder, needle, Hegar-Mayo	95,061	25,879	65,147	69	25,732	2,584	43,626	3,534
Knife, operating, 1½" blade	9,240	-	18,912	205	0	9,780	0	3,000
Scissors, bandage	184,134	-	126,710	69	13,951	28,426	36,594	15,000
Shears, plaster Paris	40,569	38,602	1,937	5	265	0	200	0
SURGICAL APPLIANCES								
Anesthesia apparatus, N ₂ O	1,681	735	54	3	0	44	78	250
Perimeter	833	50	266	32	0	61	100	110
Splint, Thomas, arm, hinged	74,209	-	75,731	102	12,024	7,238	22,280	570
Splint, Army, leg, ½-ring	53,037	-	35,050	66	4,728	7,813	28,652	23,448
Syringe, Luer, needle, 23ga., ¾" can.	528,258	192,223	196,521	37	50,026	20,598	35,139	27,939
LABORATORY EQUIPMENT								
Colorimeter, Duboscq	1,288	621	667	52	145	150	0	0
Incubator, bacteriological, 37½°C	1,333	1,054	252	19	83	18	0	0
Microscope	5,610	3,436	1,399	25	226	250	170	156
DENTAL EQUIPMENT								
Compressor unit, 12 gal. tank	382	-	281	74	0	30	30	60
Chair, dental, field	5,366	495	95	2	0	95	1,200	2,278
X-RAY EQUIPMENT								
Machine, radiographic, 200ma	604	123	171	28	10	45	40	30
X-ray, field, generator	1,233	192	477	39	105	90	164	50
X-ray, field, mobile unit	2,335	706	691	30	0	149	82	92
Chest, M.D., no. X-1	2,124	1,067	581	27	0	149	100	100
HOSPITAL EQUIPMENT								
Cylinder, O ₂ , 1500 gallon, empty	8,362	-	2,048	24	0	2,000	5,000	3,500
Sterilizer, hospital, complete	676	441	202	30	4	0	4	16
Sterilizer, hospital, utensil	11,324	6,218	4,696	41	463	456	368	2
OTHER FIELD EQUIPMENT								
Chest, field, plain	10,360	-	11,779	114	5,511	4,392	7,723	5,035
Unit, power, electric	1,370	-	394	29	83	113	182	300

*Figures in thousands.

DEFICIENCIES AND DEVELOPMENTS - QUARTERMASTER CORPS - AUGUST 6, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

BAGS, CANVAS, FIELD, O. D.

Cumulative deliveries to July 23, 1942 were 51 percent of 1942 requirements and 56 percent of the schedule to that date. Deliveries so far in July have averaged approximately 75,000 a week, which is a much higher rate than previously reached. No difficulty in meeting requirements of this item is anticipated. The problems of inexperienced contractors, some of whom had accepted contracts beyond their capacity, are being worked out satisfactorily. A previous difficulty in obtaining sufficient duck has been eliminated.

TENTS, SHELTER-HALF

Total deliveries of these tents to July 23, 1942 were 56 percent of requirements for the year 1942 and 42 percent of the schedule to July 23. Deliveries of over 400,000 from July 15 to July 23 exceeded the total of any month before June. Problems of the small manufacturers who had received contracts for these tents are being cleared up. Contracts for shelter tents were given to small manufacturers who had been accustomed to making canvas items, such as awnings, and were not familiar with the manufacture of tents. This was done in order to use the facilities of experienced tent manufacturers for making the larger and more difficult tents, such as tents, pyramidal, and tents, storage. These small contractors have had difficulty partly because the duck has a harder finish than the materials with which they are accustomed to working.

TAGS, IDENTIFICATION

Deliveries of tags to July 23, 1942 were 10 percent greater than the total requirements for 1942 but only 67 percent of the schedule for that date. Deliveries have increased greatly in recent weeks, almost two million having been delivered in the first three weeks of July. Originally these tags were made of Monel metal, which was a very satisfactory material for this purpose. A shortage of this material made it necessary to seek a substitute and stainless steel was considered, but the WPB decided that stainless steel should not be used for identification tags. Recently "contaminated silver", which is an alloy similar to German silver, has been used.

BARS, MOSQUITO

Deliveries of mosquito bars to July 23, 1942 equal 26 percent of this year's requirements and 84 percent of the schedule to that date. During the first three weeks of July, deliveries exceeded the total of any previous month this year. Contractors who had found their personnel and equipment to be inadequate, particularly because of other contracts, have increased their labor force and machinery and their rate of delivery. Previously this item was delinquent because of a shortage of drill which is used for the bottom of the bar. Sheet metal, which is a very similar material, has been substituted for drill to some extent and all major difficulties in the procurement of drill have been overcome. A new bar is being developed which, when approved, will serve the purpose of both the mosquito bar and the sandfly bar for use in the field. A sub-committee of the QMC Technical Committee has recommended that the present mosquito bar be limited to use in barracks and semi-permanent camps in which tents are used.

DEFICIENCIES AND DEVELOPMENTS - QUARTERMASTER CORPS - AUGUST 6, 1942 - (Continued)WOOL CLOTH

Supplies of wool cloth will be adequate for clothing fabrication through the early months of 1943 since all directives, with one exception, have been completely awarded. The exception is 4.4 million yards of 10.5 ounce flannel shirting, which are being canceled out of a total of 11.6 million yards placed on directive June 2. Delays in procuring this cloth were at first occasioned by the inability of mills to procure adequate supplies of the dyed cotton slivers with which wool tops are blended in making the yarns. Now that this difficulty has been overcome by the coming into production of additional facilities, French spinners, on which the yarn is spun, have become the mechanical bottleneck. Delinquencies in deliveries of woolen and worsted cloths have been due principally to shade difficulties and slow yarn deliveries to non-integrated weaving mills.

COTTON CLOTH

A directive issued March 11 called for 69 million yards of 6 ounce khaki shirting twill, and the same quantity of 8.2 ounce khaki uniform twill. Awards were not made on about 16 million yards of the former, and approximately 2 million yards of the heavier twill, and that much of the procurement directive has been canceled ending the problem of procuring large quantities of combed goods of heavier construction than normally produced for civilian use. Quantities now on contract will be sufficient to meet requirements through 1942. With the cancellation of about 15 million yards of unbleached drill for mattress covers, and 7 million yards of drill, O. D., for mosquito bars, procurements of carded twills and drills are now completed on all existing directives.

CANNED MEATS AND EMERGENCY RATIONS

Almost one billion pounds of canned meats, entirely for overseas use, will be required by the Army during the fiscal year ending June 1943. Fifteen percent of this will be used as components for the type C and type K emergency rations. Recent action by the Department of Agriculture, lowering bid prices for War-aid purchases of meats for the purpose of widening the spread between on-the-hoof prices and prices for finished products, failed to permit placing of contracts for the meat units for the "C" ration within the price ceiling. Awards above the price ceiling were made within the past week. Manufacture of the type "K" emergency ration has begun on a large scale and will reach a monthly average of 5 million rations early in the fall. This will be adequate to supply Army needs and to provide 5 million rations by the end of the year to the Marine Corps.

PROCUREMENT PROGRESS - SELECTED QUARTERMASTER ITEMS - JULY 23, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General

Item	1942 Required Production	Deliveries - Jan 1 thru Jul 23	
		Delivered	Percent of 1942 Required Production
			% 0 20 40 60 80 100
Cot, fold., steel & bedstead	429,166	1,852,597	432
Shoes, service (I. low)	11,803,907	18,468,716	156
Cot, folding, canvas	1,593,598	2,098,016	144
Tag, identification, M&I	6,688,468	7,505,950	110
Paulin, canvas, khaki, small	56,096	57,785	105
Cape, wool, knit	926,008	918,731	99
Belt, cartridge, disintd.	1,582,637	1,458,530	92
Belt, web, waist	5,599,123	5,052,250	90
Can, meat	5,056,841	4,325,250	86
Pouches, first aid	5,627,912	4,685,065	83
Stove, tent	579,813	480,079	83
Trailer, 3/4-1 ton, 2 wh. cargo	31,435	26,125	83
Truck, 1/4 ton, 4 x 4	131,497	106,422	81
Cover, canteen, disintd.	6,267,108	4,940,437	79
Suspenders, belt	2,812,668	2,224,232	79
Overcoat, wool, o.d.	5,567,096	2,651,130	78
Haversack, M1908	2,452,047	1,879,948	77
Lantern, electric	143,216	110,842	77
Bag, barrack	8,965,421	6,505,141	70
Table, camp, folding	72,286	48,124	67
Truck, 4 ton, 6 x 6	3,201	2,066	65
Blanket, wool, o.d.	9,276,455	5,992,609	65
Tent, pyramidal	502,501	321,594	64
Truck, 1/2 or 3/4 ton, 4 x 4	51,083	51,270	61
Tent, wall, large, w/p/p	26,548	15,665	59
Trousers, cotton, khaki	12,867,610	7,644,690	59
Canteen, M1910	3,851,808	2,181,536	57
Tents, shelter-half	5,047,796	2,572,581	51
Bags, canvas, field, o.d.	2,615,410	1,355,964	51
Trousers, wool, o.d.	12,772,593	6,345,379	50
Truck, 4-5 ton, tractor, 4 x 4, w/v	3,662	1,748	48
Motorcycle, solo	42,861	20,207	47
Leggings, canvas, disintd.	8,826,114	3,927,352	44
Haincoat, mtd. & disintd.	4,967,586	1,865,556	38
Ambulances	8,454	3,068	37
Truck, 1 1/2 ton, 4 x 4	64,053	22,818	36
Truck, 3 1/2 ton	247,901	87,513	35
Linens, helmet, steel, M1	7,380,746	2,354,092	32
Mittens, asbestos	996,579	165,813	27
Bar, mosquito	5,829,856	1,551,487	26
Trailer, 40 ton tank transp.	3,370	856	25
Truck, 3 ton and over	20,949	4,527	22
Range, field	27,757	4,325	16
Tent, wall, small, w/p/p	464,105	71,959	16
Can, galvanized, w/cover	714,568	93,187	13
Semi-trailer, 20 ton, transp.	3,800	450	12
Semi-trailer, 6 ton, 2 wheel, comb. an. & car.	2,693	321	12
Container, water, 5-gallon	1,244,776	147,413	12

* Complete information on deliveries not available.

* Figures include procurement for International Aid and Navy.

** Deliveries include data for Navy, International Aid and other Supply Services.

PROCUREMENT STATUS OF SELECTED QUARTERMASTER CORPS ITEMS ON ARMY SUPPLY PROGRAM

Source of Information: Statistics Branch, Office of the Quartermaster General

Item	STATUS OF 1942 REQUIREMENTS				MONTHLY DELIVERIES			
	Total Requirements	Not Under Contract	Del Jan 1- Jul 23	Percent Del	Actual		Forecast	
					Jun	Jul 1-23	Jul	Aug
CLOTHING								
Belt, web, waist	5,599,123	-	5,052,250	90	658,750	792,000	1,035,000	1,500,000
Caps, wool, knit	926,008	-	918,731	99	321,597	516,922	786,299	1,255,890
Leggings, canvas, dismt.	8,826,114	-	3,927,352	44	817,216	787,565	1,728,837	1,304,000
*Linens, helmet, steel, M-1	7,380,746	-	2,354,092(a)	32	646,209	137,133(a)	1,367,959	2,002,000
Mittens, asbestos	596,579	-	163,813	27	9,062	63,954	45,859	111,000
Overcoat, wool, o.d.	3,367,096	-	2,631,130	78	410,368	387,275	196,425	434,150
Raincoat, std. & dismt.	4,967,586	-	1,863,336	38	207,372	250,359	706,349	1,054,500
*Shoes, service (I. low)	11,803,907	-	18,468,716	156	3,552,370	1,673,108	2,831,515	3,088,336
Trousers, cotton, khaki	12,867,610	-	7,644,690	59	1,546,554	1,632,215	1,093,073	1,827,570
Trousers, wool, o.d.	12,772,593	-	6,345,379	50	1,303,640	1,332,574	1,780,976	1,710,390
EQUIPAGE								
Bag, barrack	8,963,421	-	6,303,141	70	1,640,718	1,757,050	1,601,364	2,309,537
Bag, canvas, field, o.d.	2,615,710	-	1,333,964	51	224,155	222,888	100,000	301,957
Bar, mosquito	5,829,836	-	1,531,487	26	365,666	366,466	238,250	300,000
Belt, cartridge, dismt.	1,582,637	-	1,458,530	92	265,935	191,285	231,420	208,757
*Blanket, wool, o.d.	9,278,455	-	5,992,629	65	1,151,062	871,562	152,000	742,022
Can, meat	5,036,841	-	4,325,250	86	602,259	672,087	500,000	610,000
Canteen, M-1910	3,851,808	-	2,181,536	57	367,256	116,225	368,000	400,000
Cot, folding, canvas	1,593,398	-	2,298,016	144	736,424	628,148	1,000,000	399,766
Cot, fold., steel & bedstead	429,166	-	1,852,397	432	256,449	339,459	20,054	195,031
Cover, canteen, dismt.	6,267,108	-	4,940,437	79	1,300,298	962,670	1,740,000	1,299,321
*Haversack, M-1928	2,452,047	-	1,879,948	77	421,112	304,632	400,000	900,000
Pouche, first aid	5,627,912	-	4,685,065	83	1,230,890	879,393	1,749,000	977,302
*Pailin, canvas, Khaki, sm.	36,096	-	37,785	105	14,064	7,205	14,785	12,000
Suspenders, belt	2,812,668	-	2,224,232	79	505,735	367,107	800,000	662,400
Tag, identification, M-41	6,628,468	-	7,305,930	110	2,500,000	1,996,000	4,000,000	5,920,070
*Tents, pyramidal	502,501	-	321,394	64	92,082	75,828	110,000	120,000
*Tents, shelter-half	5,047,796	-	2,572,581	51	728,087	679,996	1,300,000	2,000,000
*Tent, wall, large, w/p/p	26,548	-	15,663	59	2,468	761	1,000	3,329
Tent, wall, small, w/p/p	464,105	-	71,939	16	12,814	15,157	13,000	21,000
GENERAL SUPPLIES								
Can, galvanized, w/cover	714,368	177,000(b)	93,187	13	13,809	17,275	14,800	36,585
*Container, water, 5-gallon	1,244,776	-	147,413	12	23,112	41,159	10,000	40,000
Lantern, electric	143,216	-	110,842	77	33,153	895	49,101	0
*Range, field	27,757	-	4,325	16	46	1,567	100	400
Stove, tent	579,813	97,000(b)	480,079	83	31,040	11,045	101,200	0
Table, camp, folding	72,286	-	48,124	67	23,094	10,317	43,000	23,000
MOTOR VEHICLES**								
Ambulances	8,454	6,000(b)	3,088	37	506	1,580	1,029	1,520
Motorcycle, solo	42,861	26,000(b)	20,207	47	4,975	3,447	4,739	4,720
Truck, 1/4-ton, 4x4	131,497	-	106,422	81	19,989	23,384	16,700	16,700
Truck, 1/2 or 3/4-ton, 4x4	51,083	27,000(b)	31,270	61	4,999	7,726	7,483	7,720
Truck, 1-1/2-ton, 4x4	64,053	43,000(b)	22,818	36	4,571	1,671	4,500	4,814
Truck, 2-1/2-ton	247,901	-	87,513	35	17,014	17,134	22,841	18,444
Truck, 4-ton, 6x6	3,201	1,000(b)	2,066	65	200	120	366	480
Truck, 4-5-ton, tractor, 4x4 w/o	3,662	3,000(b)	1,748	48	191	498	300	300
Truck, 5-ton & over	20,949	17,000(b)	4,527	22	615	1,025	486	2,083
Semi-trailer, 6-ton, 2-wheel comb. anl. & cargo	2,693	2,000(b)	321	12	0	0	0	0
Semi-trailer, 20-ton transp.	3,800	3,000(b)	450	12	182	118	532	200
Trailer, 3/4-1-ton, 2wh. cargo	31,435	10,000(b)	26,125	83	6,415	4,814	6,744	4,400
Trailer, 40-ton tank transp.	3,370	2,000(b)	856	25	161	50	646	786

(a) Complete information on deliveries not available.

(b) Estimate

* Figures include procurement for International Aid and Navy.

** Only deliveries and forecast include data for Navy, International Aid and other Supply Services.

PART II
ARMY AIR FORCES
PROCUREMENT

DEFICIENCIES AND DEVELOPMENTS - AIR FORCES

Source of Information: Aircraft Branch, WPB
Statistical Control, AAF

ARMY AIRPLANE ACCEPTANCES

During the last quarter of July, 1,266 airplanes were accepted by the Army for the Air Forces, for Army International Aid and for transfer to the Navy. This record production overcame the lag earlier in the month and resulted in Army production being ahead of June in all categories. July output was 3,191 units as against 2,822 in June.

U. S. AIRPLANE ACCEPTANCES

Preliminary tabulation of military acceptances in July for all customers, including the Army, amounts to 4,095 units, a new high in production performance. Daily output in July was behind June through the 26th of the month, but acceptances of 1,194 airplanes in the last five days made possible the record production. Output in the last five days of July was greater than in the entire month of March, 1941. The slight setback in the preceding month (confined to trainer types only) was well overcome.

A breakdown of June and July acceptances by type reveals that the light bomber, 2-engine was the only type in the tactical group to show a decline. This amounted to 24 percent from 207 in June to 158 in July. Acceptances of the same group declined 41 percent in the preceding month. This loss in two successive months was due principally to unrelieved shortages of vendor furnished equipment and also to shortages of Government furnished equipment.

Type	Jun	Jul	Unit Change	Percent Change
Heavy Bomber	196	210	14	7
Medium Bomber, 2-eng	316	330	14	4
Light Bomber, 2-eng	207	158	-49	-24
Light Bomber, 1-eng	223	282	59	26
Flying Boat, 4-eng	1	3	2	200
Flying Boat, 2-eng	64	68	4	6
Total Bombers	1,007	1,051	44	4
Army Fighter, 2-eng	138	187	49	36
Army Fighter, 1-eng	684	720	36	5
Navy Fighter, 1-eng	132	101	-31	-23
Total Fighters	954	1,008	54	6
Naval Reconnaissance	103	124	21	20
Total Combat	2,064	2,193	129	6
Heavy Transport, 4-eng	4	1	-3	-75
Heavy Transport, 2-eng	1	4	3	300
Medium Transport, 2-eng	87	173	86	99
Light Transport, 2-eng	7	15	8	114
Total Transport	99	193	94	95
Communications	307	364	57	19
Total Service Combat	406	557	151	37
Total Tactical	2,470	2,750	280	11
Adv Trainer, 2-eng	208	252	44	21
Adv Trainer, 1-eng	344	408	64	19
Basic Trainer	306	316	10	3
Primary Trainer	276	269	-7	-2
Total Trainers	1,234	1,245	11	1
Grand Total	3,704	4,095	391	11

DEFICIENCIES

Ford, Willow Run, has still failed to complete production on its first B-24E which was due in May. Further delay in acceptances during July was caused by engineering difficulties involved in changing of the installation of the Stewart-Warner cabin heater. The acceptance date of Ford's first unit will be determined by the high altitude tests now being conducted. Shop difficulties and proving of tools continue to constitute the major production problems. Deliveries of machine tools are still behind requirements.

Although 38 Thunderbolts, the Republic P-47B, were accepted in July, continual design changes are still being made on this fighter based on the performance of the released models. Rudders are being reinforced and the units are currently restricted to 350 mph with no acrobatics. Metal covered elevators and rudders will replace the present fabric covered surfaces as soon as they are available. Tooling for peak production of 200 airplanes per month is 84 percent complete.

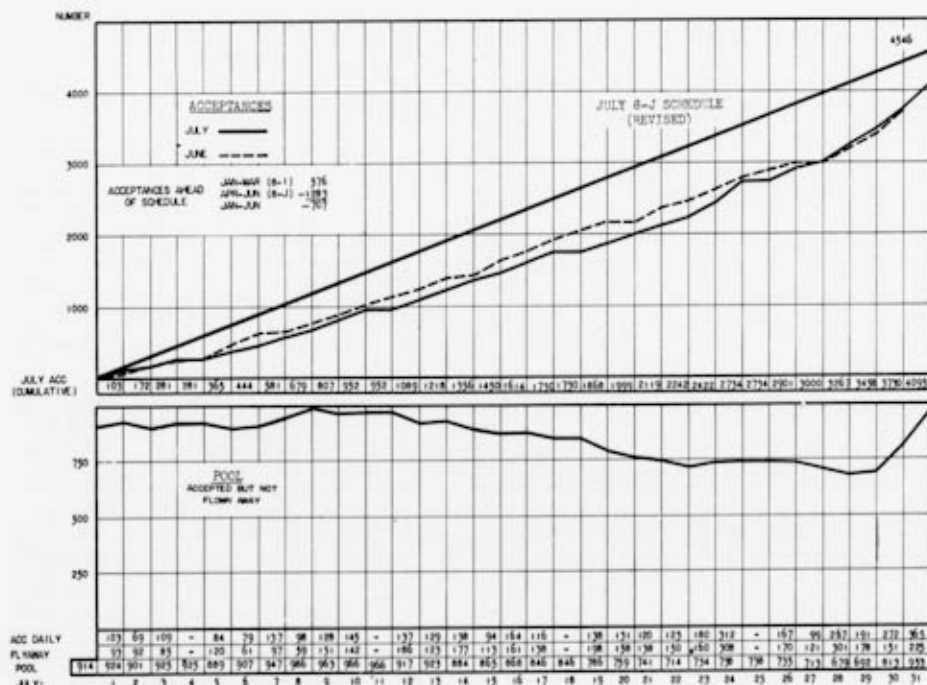
UNITED STATES DAILY AIRPLANE PRODUCTION

Source of Information: Aircraft Branch, WPB
Statistical Control, AAF

The daily production of airplanes by United States manufacturers for all customers for the month of July is shown below. Output of 4,095 was 451 units below the schedule of the Aircraft Branch, WPB, which amounted to 4,546 (July 8-J initial objective revised). The 8-J initial objective is not sufficient to meet the President's 1942 requirements.

In the upper diagram, the lower of the two solid lines is a cumulative plotting of daily airplane acceptances in July. The broken line reflects the cumulative daily acceptances in June for purpose of contrast. Saturday and Sunday output has been combined and reported as of the close of business Sunday.

The lower of the two diagrams shows the daily pool at the factories. This pool consists of accepted airplanes not yet flown away or boxed for shipment. Release from the pool generally indicates an easing of equipment shortages, but many further steps may be necessary before planes are fully commissioned ready for activation of combat units.



STATISTICS AND PROGRESS BRANCH
CONTROL DIVISION - HEADQUARTERS,
SON - 8-6-42

U. S. AIRPLANE PRODUCTION BY MANUFACTURERS AND CUSTOMERS - MONTH OF JULY 1942

Source of Information: Statistical Control, AAF
Aircraft Branch, WFB

MANUFACTURERS	TACTICAL								TRAINER					Grand Total		
	4 Eng Bomber	2 Eng Bomber	1 Eng Bomber	1 Eng Bomber	Fighter	Naval Recon	Transport	Comm	Total Tactical	Advanced 2 Eng	1 Eng	Basic	Prim		Total Trainer	
Aerona								135	135						135	
Beech								10	10						10	
Bell (Buffalo)					185				185						185	
Boeing (Seattle)	100								100						100	
Boeing (Vancouver)	No production in July														0	
Boeing (Wichita)													171	171	171	
Brewster				1				6	6	111				111	117	
Cessna																
Consolidated (F.W.)	3								3						3	
Consolidated (S.D.)	103	63							166						166	
Curtiss (Buffalo)					421				421						421	
Curtiss (Columbus)						5			5						5	
Curtiss (St. Louis)								4	4		50			50	54	
De Havilland															0	
Douglas (E.S.)				74					74						74	
Douglas (L.B.)	4		71					124	199						199	
Douglas (S.W.)					17			34	51						51	
Douglas (Tulsa)															0	
Fairchild (Hagers.)									28	28			150	150	178	
Fleet															0	
Ford (Willow Run)															0	
Grumman				75		100		9	184						184	
Howard								12	12						12	
Interstate								1	1						1	
Lockheed			87		170			16	273						273	
Martin (Balt.)		80							80						80	
Martin (Omaha)															0	
Naval Aircraft						54			54						54	
Noorduyn										47				47	47	
North Amer. (Dallas)										311				311	311	
North Amer. (Ingle.)		100			76				176						176	
North Amer. (K.C.)		52							52						52	
Northrop (Hawthorne)				60					60						60	
Piper															0	
Republic					38				38						38	
Ryan													28	28	28	
Spartan															0	
Taylorcraft													19	19	19	
Timb								50	50						50	
Vega	3	103							106				1	1	106	
Yough-Sikorsky						1	75		76						76	
Vultee (Downey)				1					1						1	
Vultee (Nash.)				71					71				316		317	
Vultee (Wayne)															0	
Waco (Troy) #1															0	
TOTAL (45 MFRS.)	213	398	158	282	187	821	134	193	364	2,750	252	408	316	369	1,345	4,095
CUSTOMERS																
Army	10	227	71	21	67	243		110	314	1,063	202	44	181	169	596	1,659
Navy (a)	3	5		129		65	134	17	19	372	3	216	135	170	524	896
International Aid																
Army	200		87			467		60	28	842	47	139		30	216	1,058
Navy		63				36		6	3	108					9	117
British		103		132	120	10				365						365
Other Foreign																0
Commercial (b)																0
TOTAL	213	398	158	282	187	821	134	193	364	2,750	252	408	316	369	1,345	4,095

- (a) Includes procurement by the Army for the Navy.
(b) Excludes less-than-12-place commercial acceptances.

U. S. AIRPLANE OUTPUT - DISTRIBUTION OF ACCEPTANCES BY TYPE - JULY 1940 - JULY 1942

Source of Information: Statistical Control, AAF

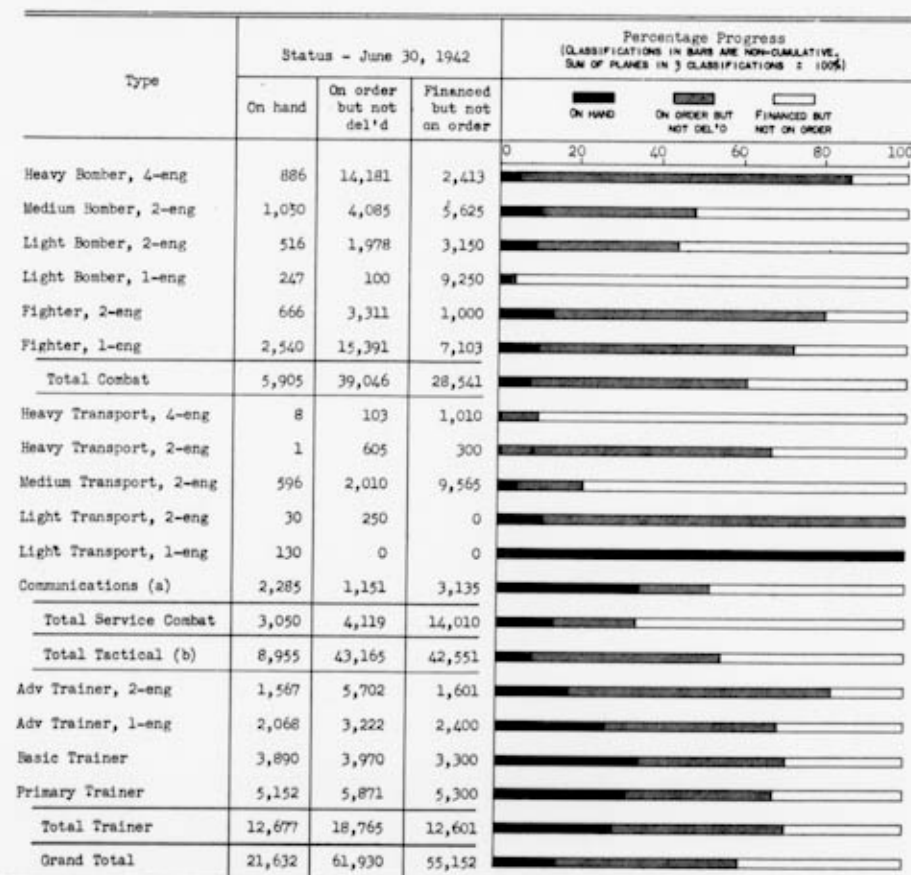
MONTH	UNITS ACCEPTED						PERCENTAGE DISTRIBUTION					
	Bomber	Fighter	Other Tactical (a)	Total Tactical	Total Trainer	Grand Total	Bomber	Fighter	Other Tactical	Total Tactical	Total Trainer	Grand Total
<u>1940</u>												
Jul	118	161	33	312	249	561	21	29	6	56	44	100
Aug	103	149	36	288	240	528	20	28	7	55	45	100
Sep	44	152	29	225	290	515	9	30	5	44	56	100
Oct	77	192	40	309	308	617	12	31	7	50	50	100
Nov	114	248	46	408	324	732	16	34	6	56	44	100
Dec	169	261	15	445	394	839	20	31	2	53	47	100
<u>1941</u>												
Jan	175	258	64	497	520	1,017	17	25	7	49	51	100
Feb	248	203	59	510	452	962	26	21	6	53	47	100
Mar	283	223	54	560	575	1,135	25	19	5	49	51	100
Apr	345	290	58	693	696	1,389	25	21	4	50	50	100
May	315	254	60	629	703	1,332	24	19	4	47	53	100
Jun	364	226	112	702	775	1,477	25	15	8	48	52	100
Jul	345	202	85	632	829	1,461	24	14	5	43	57	100
Aug	356	438	174	968	886	1,854	19	24	9	52	48	100
Sep	408	474	180	1,062	861	1,923	21	25	9	55	45	100
Oct	404	569	183	1,156	1,124	2,280	18	25	8	51	49	100
Nov	330	594	234	1,158	975	2,133	15	28	11	54	46	100
Dec	550	692	239	1,481	959	2,440	23	28	10	61	39	100
<u>1942</u>												
Jan	492	843	306	1,641	1,331	2,972	17	28	10	55	45	100
Feb	629	768	531	1,928	1,157	3,085	20	25	17	62	38	100
Mar	780	776	559	2,115	1,357	3,472	23	22	16	61	39	100
Apr	721	747	614	2,082	1,413	3,495	21	21	18	60	40	100
May	1,021	773	508	2,302	1,617	3,919	26	20	13	59	41	100
Jun	1,007	954	509	2,470	1,234	3,704	27	26	14	67	33	100
Jul	1,051	1,008	691	2,760	1,345	4,095	26	24	17	67	33	100

(a) Naval Reconnaissance, Transport, Communications.

ARMY AIRPLANE INVENTORY AND PROCUREMENT STATUS - JUNE 30, 1942

Source of Information: Statistical Control, AAF

The relation between Army airplane inventory and the procurement program as of June 30, 1942, is shown in the tabulation below. The "on hand" figures must not be interpreted as "readiness for combat" figures. The "on hand" figures have been adjusted downward only by exclusion of accepted but undelivered units (approximately 370) and by exclusion of experimental and obsolete models. The data are subject to change by late reports on losses.



(a) Includes Amphibian, Observation, Reconnaissance.
(b) Combat plus service combat.

ARMY GLIDER PROCUREMENT - STATUS AS OF JULY 31, 1942

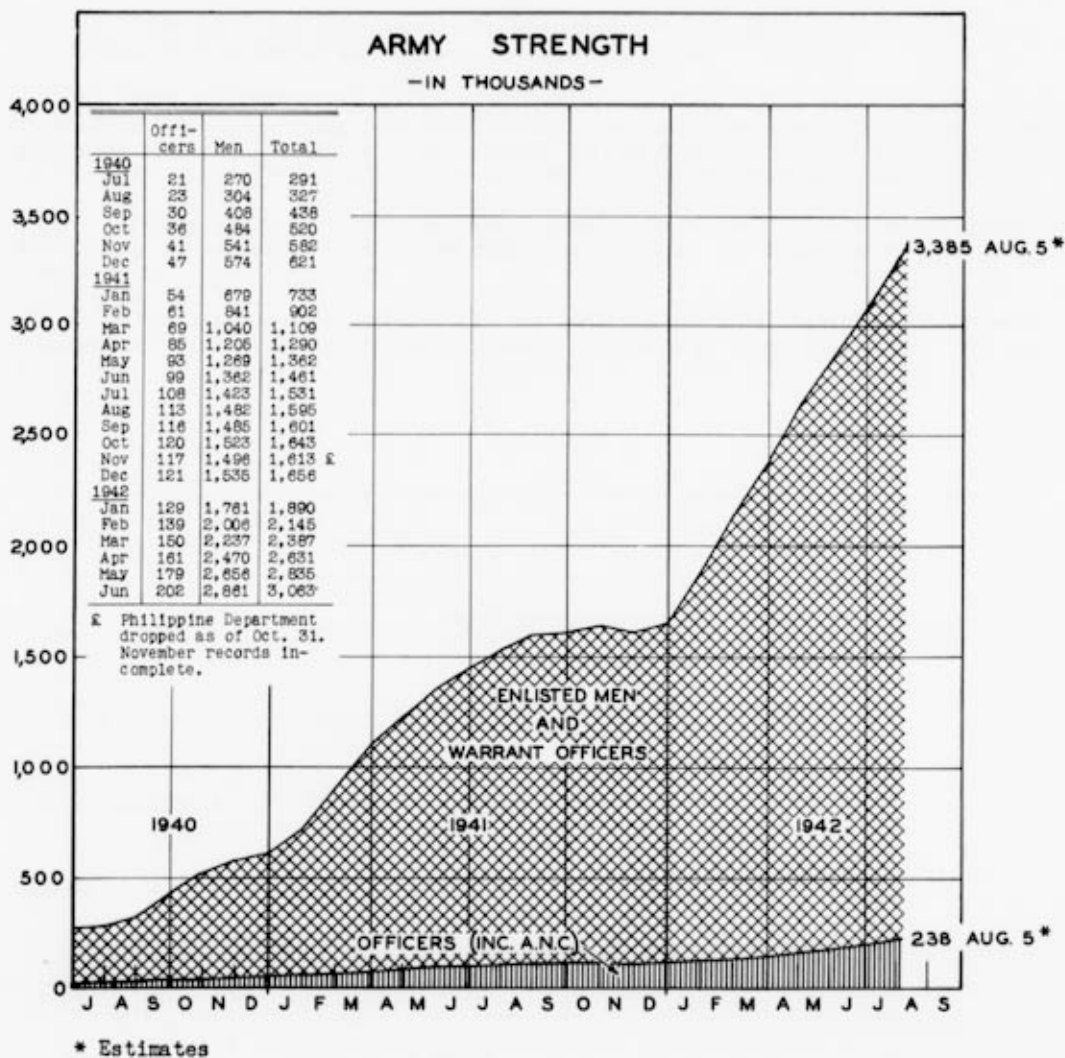
Source of Information: Statistical Control, AAF

Type and Model	Manufacturer	Location	Under contract	Accepted		On order not accepted
				Jan 1- Jul 31	Jul	
Bomb Gliders						
XBO-1	Fletcher	Pasadena	10	10		0
XBO-2	Fletcher	Pasadena	3			3
Total Bomb Gliders			13	10		3
Troop Gliders						
8 Place						
XCO-3	Waco	Troy	1			1
XCO-5	St. Louis Aircraft	St. Louis	1			1
XCO-7	Howlous	San Fernando	2			2
Total 8 Place			4			4
9 Place						
CO-3A	Waco	Troy	200			200
CO-3A	Rearwin	Kansas City	300			300
Total 9 Place			500			500
15 Place						
CO-4A	Apa	Willow Grove	180			180
CO-4A	Babcock	Deland	152			152
CO-4A	Cessna	Wichita	1,500			1,500
CO-4A	Ford	Dearborn	1,000			1,000
CO-4A	General Aircraft	Lowell	229			229
CO-4A	Gibson	Greenville	423			423
CO-4A	Jenler	Ridgefield	56			56
CO-4A	Laister-Kauffman	St. Louis	110			110
CO-4A	National Aircraft	Elwood	90			90
CO-4A	Northwestern	St. Paul	84			84
CO-4A	Porterfield	Kansas City	50			50
CO-4A	Pratt & Read,	Deep River	575			575
CO-4A	Rearwin	Kansas City	300			300
CO-4A	Robertson Aircraft	Robertson	70			70
CO-4A	Timm	Van Nuys	971			971
XCO-4	Waco	Troy	2	2	2	0
CO-4	Waco	Troy	500			500
XCO-7	Howlous	San Fernando	2	1		1
XCO-8	Howlous	San Fernando	3			3
Total 15 Place			6,297	3	2	6,294
30 Place						
XCO-9	Apa	Willow Grove	2			2
XCO-10	Laister-Kauffman	St. Louis	2			2
XCO-11	Snead	Orange	2			2
Total 30 Place			6			6
Total Troop Gliders			6,807	3	2	6,804
Training Gliders						
XTO-1	Frankfort	Joliet	3	3		0
TO-1A	Frankfort	Joliet	40	18	9	22
TO-2	Schweizer	Elmira	26	26	1	0
TO-2	Bell	Buffalo	1			1
XTO-3	Schweizer	Elmira	3	3	2	0
TO-3A	Schweizer	Elmira	110			110
TO-3A	Air Glider	Akron	50			50
XTO-4	Laister-Kauffman	St. Louis	3	2	2	1
TO-4A	Laister-Kauffman	St. Louis	150	2	2	148
XTO-5	Howlous	San Fernando	4			4
TO-5	Aeronca	Middletown	250	9	9	241
TO-6	Taylorcraft	Alliance	250			250
TO-8	Piper	Lockhaven	250			250
Total Training Gliders			1,140	63	25	1,077
Total All Gliders			7,947	76	27	7,884

PART III
NON-PROCUREMENT
OPERATIONS

ARMY STRENGTH - AUGUST 5, 1942

Source of Information: Machine Records Branch, AGO.



ANALYSIS OF OFFICER PERSONNEL ON DUTY IN CONTINENTAL UNITED STATES AND OVERSEAS

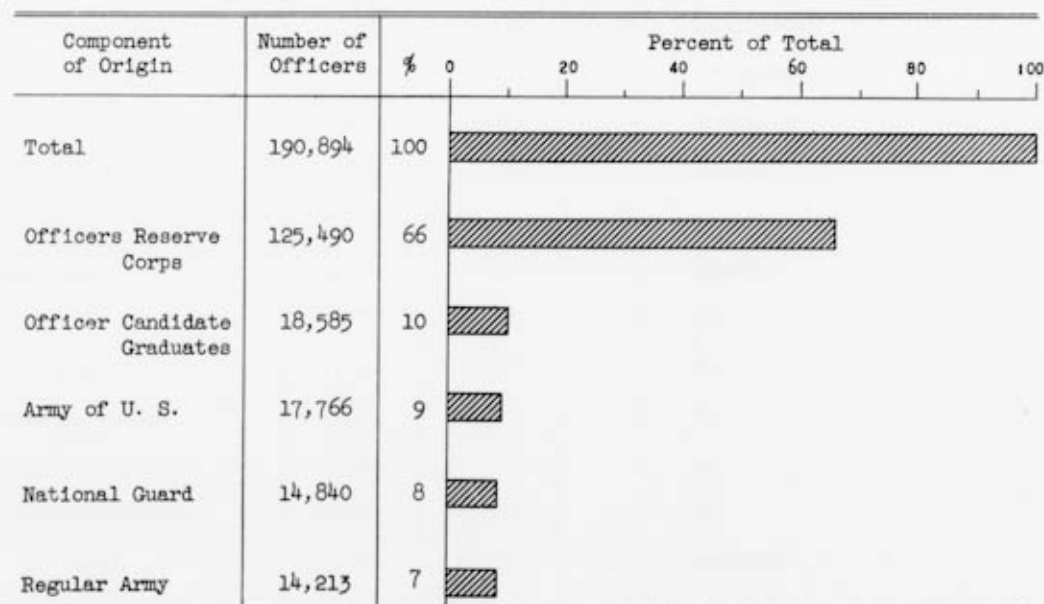
Source of Information: Adjutant General's Office

The following table represents a study of Officer personnel on duty in Continental United States and overseas on June 30, 1942.

Officer candidates are commissioned in the Army of the United States upon graduation from an Officer Candidate School, but are shown separately here. The remaining number of officers commissioned in the Army of the United States are those commissioned from Civilian life without previous military training.

While all temporary promotions are made in the Army of the United States the figures shown below reflect the component in which officers were originally commissioned.

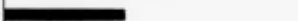
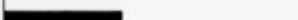
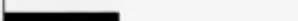
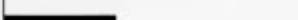
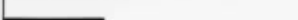
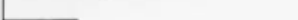
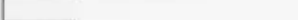
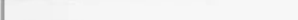
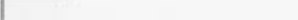
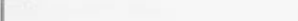
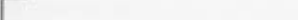
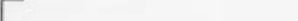
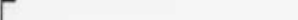
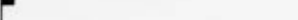
The Army Specialist Corps, is not included in this analysis; its present strength of approximately ninety officers, all having been commissioned during July.



ANALYSIS OF OFFICER CANDIDATES NOT GRADUATED FROM CLASSES COMPLETED

Source of Information: Adjutant General's Office

On June 30, 1942, 61,571 Officer Candidates had been enrolled in all Officer Candidate Schools but of this number 39,495 were enrolled in classes not yet graduated. There were 22,076 Officer Candidates originally enrolled in the classes that had been graduated by June 30, 1942. Of those originally enrolled 18,585 were commissioned as Second Lieutenants and the remaining 3,491, or 16 percent, were dropped before graduation at their own request or for other reasons. This average of 16 percent is analyzed below by the individual Schools and ranges from 29 percent at the Signal Corps School to 2 percent at the Adjutant General's School. Difficulty has been experienced at some of the Schools in securing Officer Candidates with technical background sufficient for completing the course successfully. A more detailed presentation by classes for three of the Schools on the following page shows a high degree of consistency for different classes at the same School.

School	Enrolled	Graduated	Dropped	Percent Dropped					
				0	10	20	30	40	50
Signal Corps	2,299	1,643	656						
Antiaircraft Artillery	2,389	1,881	508						
Engineers	2,297	1,809	488						
Ordnance	693	549	144						
Field Artillery	2,124	1,690	434						
Finance	148	121	27						
Armored Force	1,843	1,594	249						
Infantry	5,243	4,557	686						
Medical	1,074	948	126						
Cavalry	612	573	39						
Air Corps	1,590	1,520	70						
Quartermaster	1,513	1,454	59						
Chemical Warfare	47	46	1						
Adjutant General	204	200	4						
TOTAL	22,076	18,585	3,491						

TOTAL ENROLLEES AND GRADUATES OF SELECTED OFFICER CANDIDATE SCHOOLS BY CLASS,
JULY 1, 1941 TO JUNE 30, 1942

Source of Information: Adjutant General's Office

The following table shows the enrollment and number of graduates of three Officer Candidate Schools, by classes. These schools were selected for detailed presentation because they have had the highest, average, and lowest percentage of Officer Candidates graduating.

School	Enrolled	Graduated	%	Percent Graduated
Adjutant General				0 20 40 60 80 100
Class I	25	25	100	
Class II	54	53	98	
Class III	125	122	98	
Total	204	200	98	
Armored Force				
Class I	226	177	78	
Class II	225	194	86	
Class III	63	52	83	
Class IV	177	164	93	
Class V	583	519	89	
Class VI	569	488	86	
Total	1,843	1,594	87	
Signal				
Class I	474	335	71	
Class II	252	172	68	
Class III	254	170	70	
Class IV	491	361	74	
Class V	828	605	73	
Total	2,299	1,643	72	

INTELLIGENCE GRADES OF MEN PROCESSED AT RECEPTION CENTERS DURING MONTHS OF MAY AND JUNE, 1942

Source of Information: Adjutant General's Office

One of the basic requirements for entrance into Officer Candidate School is that the applicant must pass the Army General Classification Test with a mark high enough to be placed in Grade I or Grade II. These requirements are of particular significance in view of the increases being made in the enrollment at Officer Candidate Schools to meet the additional requirements for Army Officers.

ARMY GENERAL CLASSIFICATION TEST

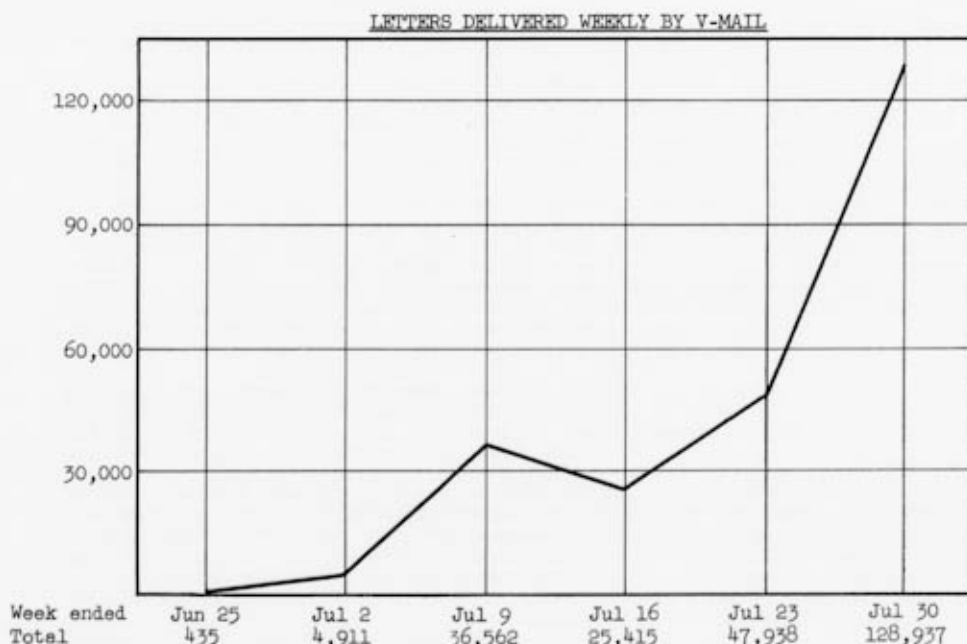
Grade	Month	Number of Men	Percent of Total of all Grades				
			%	10	20	30	40
I Standard Score 130 - 161	May	15,561	7				
	June	15,817	8				
II Standard Score 110 - 129	May	55,788	27				
	June	53,245	28				
III Standard Score 90 - 109	May	64,980	31				
	June	57,685	30				
IV Standard Score 60 - 89	May	42,757	20				
	June	36,561	19				
V Standard Score 59 or below	May	32,441	15				
	June	27,738	15				

V-MAIL - JULY 30, 1942

Source of Information: Adjutant General's Office

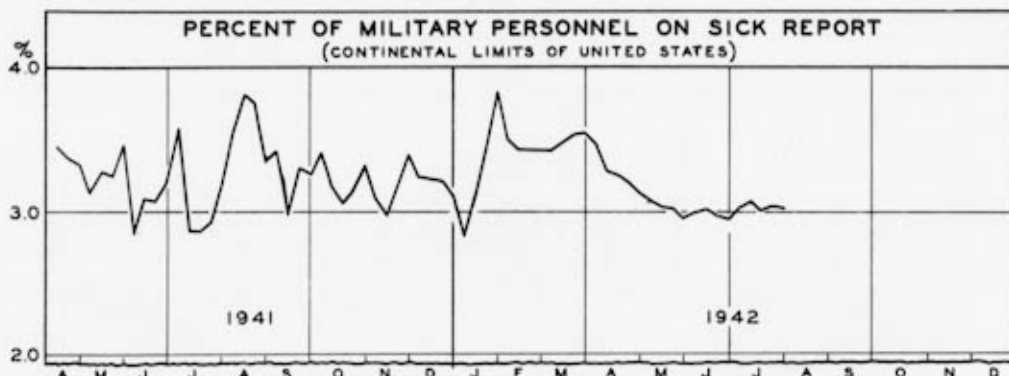
In order to conserve shipping space and to speed up the delivery of letter mail to overseas forces, a new service known as V-mail was inaugurated on June 19, 1942. Letters are addressed to the individual, care of Postmaster, at the port of embarkation concerned. There, a processing unit of the Eastman Kodak Company photographs the letters on 16mm film. This film is then sent to the location of the troops by the speediest means available. On arrival at the destination, the film is used to make an enlargement of each letter which is then delivered through the regular Army Postal Service channels. Notice of the safe arrival of the film is sent by radio to the port of embarkation and the original letters, which were held pending this notice, are destroyed. Letters from troops overseas are handled in the same manner, except that the enlargement is delivered through the Civil Postal Service in the United States.

In the six weeks since the inauguration of this new service the amount of V-mail handled has increased from 435 letters in the week ended June 25, 1942 to 128,937 letters in the week ended July 30, 1942.



MEDICAL DEPARTMENT - HEALTH OF THE ARMY

Source of Information: Division of Preventive Medicine, and Vital Statistics
Division, Office of the Surgeon General



PERCENTAGE OF MILITARY PERSONNEL ON SICK REPORT: In the week ended July 30, 1942, the percent sick within the continental limits of the United States was 3.03, corresponding to a non-effective rate of 30.3 per thousand. There were 2.83 percent in hospital and .20 percent in quarters.

Note that the data above are in terms of percentage of men on the sick report to total strength; whereas, the following data are in terms of rate per thousand per year and are based on admissions. A man on the sick list affects the percentage sick rate each day he remains in hospital or quarters. Admission rates are based upon the incidence of sickness and are independent of its duration. For comparative purposes in medical statistics, admission rates are converted to annual rates, obtained by multiplying the actual rate by the necessary factor. Thus, if the admissions occurred in one day, then the rate obtained for that period is multiplied by 365 to obtain an annual rate; or a weekly rate is multiplied by 52, or a monthly rate by 12. For example, assuming that 10 cases of measles occur during one month in a command having an average daily strength of 600 troops, the monthly rate is, of course, 10 per 600 strength. To convert the monthly rate into an annual rate it is assumed that the frequency of occurrence during the one month would continue at a constant rate during an entire year. The annual rate would then be 120 per 600 strength and the annual rate per thousand in this situation is 200.

MALARIA: The accompanying map shows the distribution and relative intensity of malaria throughout the world today. Wherever highly prevalent, malaria will constitute the greatest of all health hazards and, as proved by past experience, it may result in more non-effectives than are to be expected from enemy action.

Units of the United States Army are or will be operating in some of the world's most malarious areas. In India, for example, where there are more than 100 million civilian cases of malaria each year, with over a million deaths. Certain steps have been taken to meet the situation. The Preventive Medicine Service of the Surgeon General's Office includes a special subdivision devoted to the control of tropical diseases, especially malaria. There is also a civilian Commission on Tropical Diseases, a part of the Army Board for the Control of Epidemics. In addition, the Sub-committee on Tropical Medicine, of the National Research Council, acts in an advisory capacity.

MEDICAL DEPARTMENT - HEALTH OF THE ARMY - (Continued)

The Army cooperates with the United States Public Health Service, which is doing extensive mosquito control work in civilian areas contiguous to military reservations in the United States. Furthermore, such organizations as The Rockefeller Foundation, American Red Cross, and Division of Entomology in the Department of Agriculture, have been actively assisting by surveys and research.



The Army's diagnostic and sanitary laboratory service has been expanded, malarialogists, entomologists, parasitologists, and sanitary engineers have been taken into the Medical Department in increasing numbers, and the anti-mosquito program in Army camps greatly increased. Almost two million dollars were expended by the Army itself on mosquito control in permanent camps, posts, and stations in the United States in 1941.

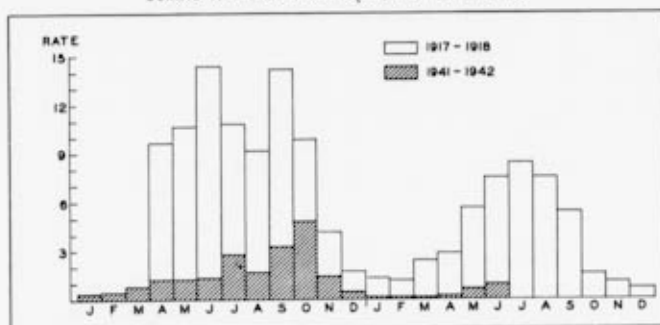
This vigorous malaria control policy has had excellent results and the annual malaria rate for the total Army in the United States in 1941 was only 1.7 per 1,000 strength in spite of its greatly increased strength.

It should be noted that about a third of the cases of malaria which occurred in the Army in the United States in 1941 were the result of infections contracted during maneuvers. This illustrates the difficulty in protecting troops operating in endemic areas away from permanently sanitized garrisons. Under field conditions screening and such anti-larval procedures as oiling and ditching are not feasible. Reliance must therefore be placed on less effective measures, such as temporary prophylactic treatment, mosquito repellents, and protective nets and clothing.

MEDICAL DEPARTMENT - HEALTH OF THE ARMY - (Continued)

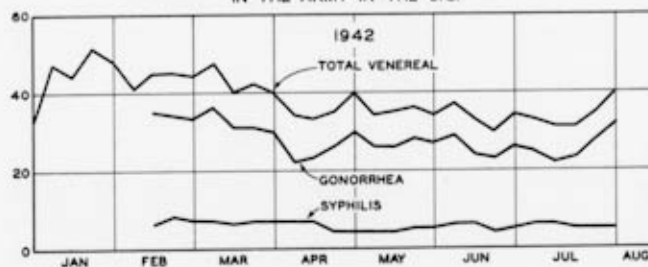
Therefore, plans are being made to strengthen further the Army's facilities for the protection of troops against this disease by providing for the forces operating in highly malarious foreign regions a special malaria control organization such as is being used effectively by the British Army in East Africa, Middle East, Iraq and Iran. It is obvious that not only a special organization but also the full cooperation of all military personnel is required to combat malaria in the Army's new tropical frontiers.

MONTHLY MALARIA RATES-U.S. ARMY, CONTINENTAL UNITED STATES
DURING 1941 & 1942 AS COMPARED TO 1917 & 1918



VENEREAL DISEASE RATES: The total venereal rate for the Army in the United States shows fluctuations from week to week but these are due to variations in the gonorrhea rate. The syphilis and gonorrhea rates in the Army in the United States were lower in the mobilized Army in July, 1942 than they were in the peace time Army in July, 1940. Vigorous control and educative measures in the enlarged Army counteracted the increased effect of prostitution.

VENEREAL ADMISSION RATES PER 1000 PER YEAR
IN THE ARMY IN THE U.S.



PORT SITUATION - DELAYS IN CAR UNLOADING

Source of Information: Association of American Railroads - PT Report No. 8

CARLOAD FREIGHT FOR EXPORT AND COASTAL VESSEL MOVEMENT (EXCLUDING COAL)LOADED CARS ON HAND

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	132	8,008	3,342	2,760	298	2,205	1,561	464	2,545	21,515
May 15	153	7,982	3,489	2,634	285	2,448	1,293	669	2,984	21,937
May 22	782	7,254	3,385	2,178	345	2,406	1,513	402	2,489	20,758
May 29	520	6,771	3,060	1,935	410	2,690	1,606	500	2,391	19,885
Jun 5	403	7,390	2,887	1,971	345	2,735	1,688	349	3,147	21,115
Jun 12	447	6,828	2,761	1,778	246	2,752	1,806	482	2,968	20,068
Jun 19	566	6,767	2,894	1,772	331	2,848	1,642	972	3,371	21,163
Jun 26	374	6,254	2,787	1,611	556	3,239	1,610	1,241	3,652	21,324
Jul 3	437	6,925	2,611	1,609	880	3,427	1,556	1,191	3,368	22,005
Jul 10	679	7,768	2,757	2,256	825	3,485	1,529	895	2,915	23,105
Jul 17	632	6,931	3,175	2,731	923	3,323	1,960	814	3,090	23,579
Jul 24	683	5,977	3,148	3,111	928	3,186	2,622	767	3,916	24,338

LOADED CARS ON HAND OVER 10 DAYS

	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	66	2,968	2,558	1,238	64	308	82	160	192	7,636
May 15	52	2,647	2,294	1,670	102	323	131	197	413	7,889
May 22	31	2,368	2,359	1,116	189	389	163	233	566	7,434
May 29	169	2,558	1,933	1,014	133	605	199	185	462	7,254
Jun 5	50	2,497	1,474	1,013	67	749	183	128	1,279	7,440
Jun 12	38	2,662	1,674	1,003	42	803	180	128	1,207	7,737
Jun 19	22	2,453	1,696	941	59	949	306	107	984	7,517
Jun 26	178	2,344	1,831	928	109	1,698	302	429	982	8,797
Jul 3	207	2,652	1,234	734	229	1,855	301	439	1,012	8,663
Jul 10	264	2,933	1,256	807	503	1,841	285	507	746	9,142
Jul 17	291 r	3,292	1,523	998	326	1,279	341	378	838	9,266 r
Jul 24	332	3,088	1,891	1,324	261	1,156	488	382	910	9,832

PERCENTAGE OF LOADED CARS ON HAND OVER 10 DAYS

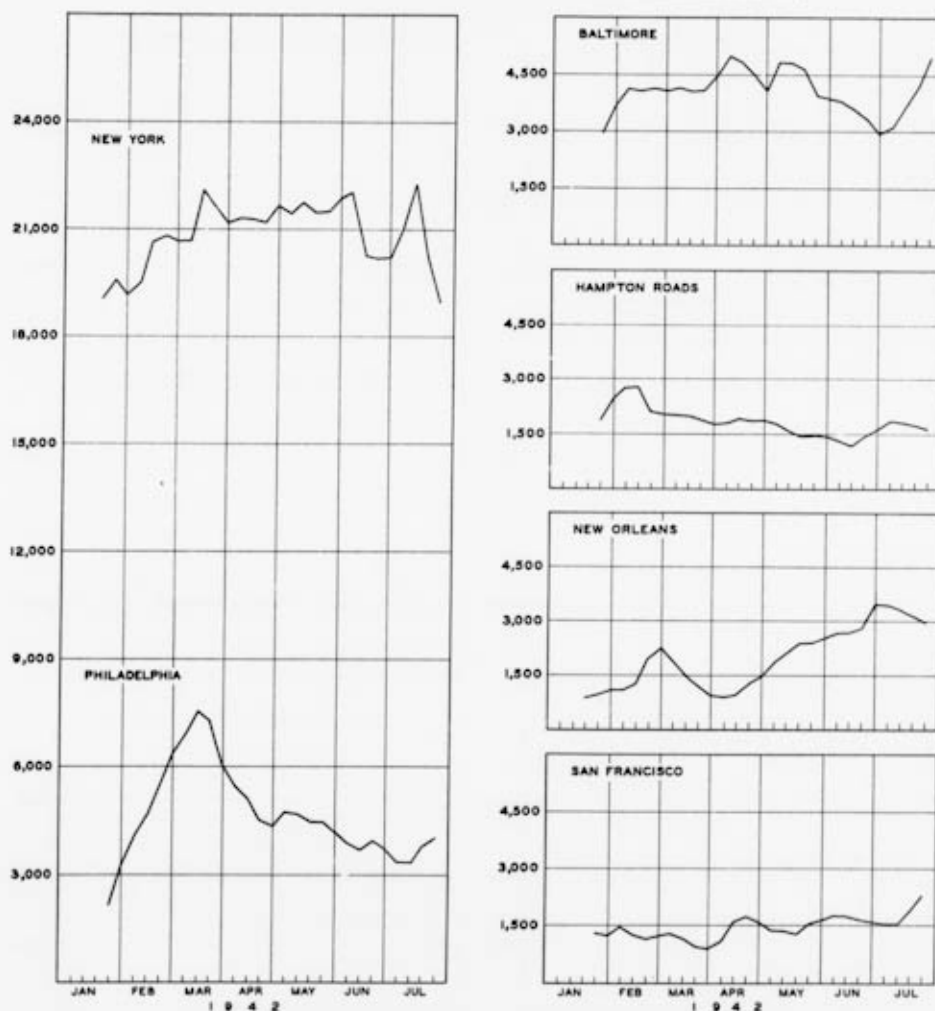
	Boston	New York	Phila.	Balt.	Hampton Roads	New Orleans	San Fran.	Seattle	25 Others	Total
May 8	50	37	72	45	21	14	6	34	8	36
May 15	34	33	66	63	36	13	10	39	14	36
May 22	7	33	70	51	55	16	11	58	23	36
May 29	33	38	63	52	32	22	12	31	19	36
Jun 5	12	34	51	51	19	27	10	37	41	35
Jun 12	9	39	61	56	17	29	10	27	41	39
Jun 19	4	36	59	53	18	33	19	11	29	36
Jun 26	48	37	66	58	19	52	19	33	27	41
Jul 3	47	38	47	46	26	34	19	37	30	39
Jul 10	39	38	46	36	61	33	19	57	26	40
Jul 17	46 r	47	48	37	35	38	17	46	27	39
Jul 24	49	52	60	43	28	36	19	50	23	40

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PORT SITUATION - RAIL FREIGHT AT SELECTED PORTS - JULY 24, 1942

Source of Information: Association of American Railroads - PT Report No. 7

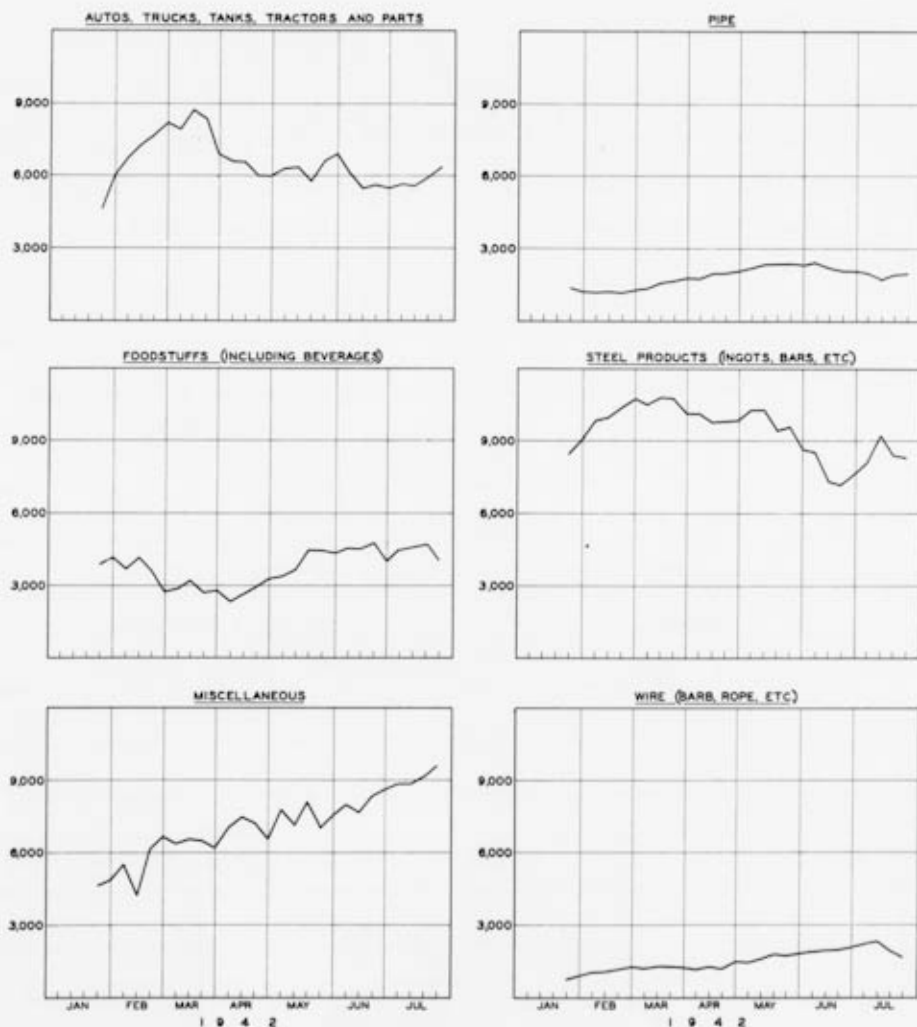
CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS
AND IN STORAGE AT RAILROAD OWNED AND OPERATED FACILITIES



PORT SITUATION - RAIL FREIGHT AT PRINCIPAL PORTS BY COMMODITY - JULY 24, 1942

Source of Information: Association of American Railroads - PT Report No. 7

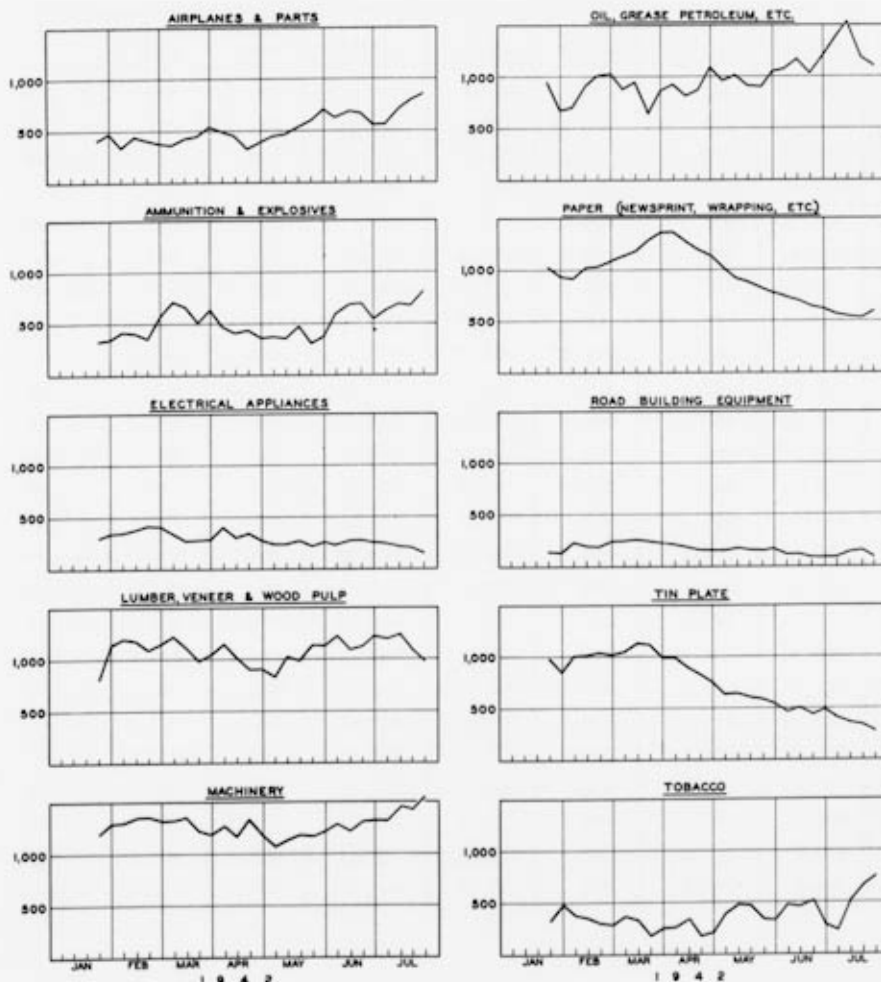
CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS AND IN STORAGE
AT RAILROAD OWNED AND OPERATED FACILITIES AT FIFTEEN PRINCIPAL PORTS



PORT SITUATION - RAIL FREIGHT AT PRINCIPAL PORTS BY COMMODITY - JULY 24, 1942

Source of Information: Association of American Railroads - PT Report No. 7

CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON RAILS AND IN STORAGE
AT RAILROAD OWNED AND OPERATED FACILITIES AT FIFTEEN PRINCIPAL PORTS



PORT SITUATION - CONSIGNEES OF RAIL FREIGHT AT PRINCIPAL PORTS

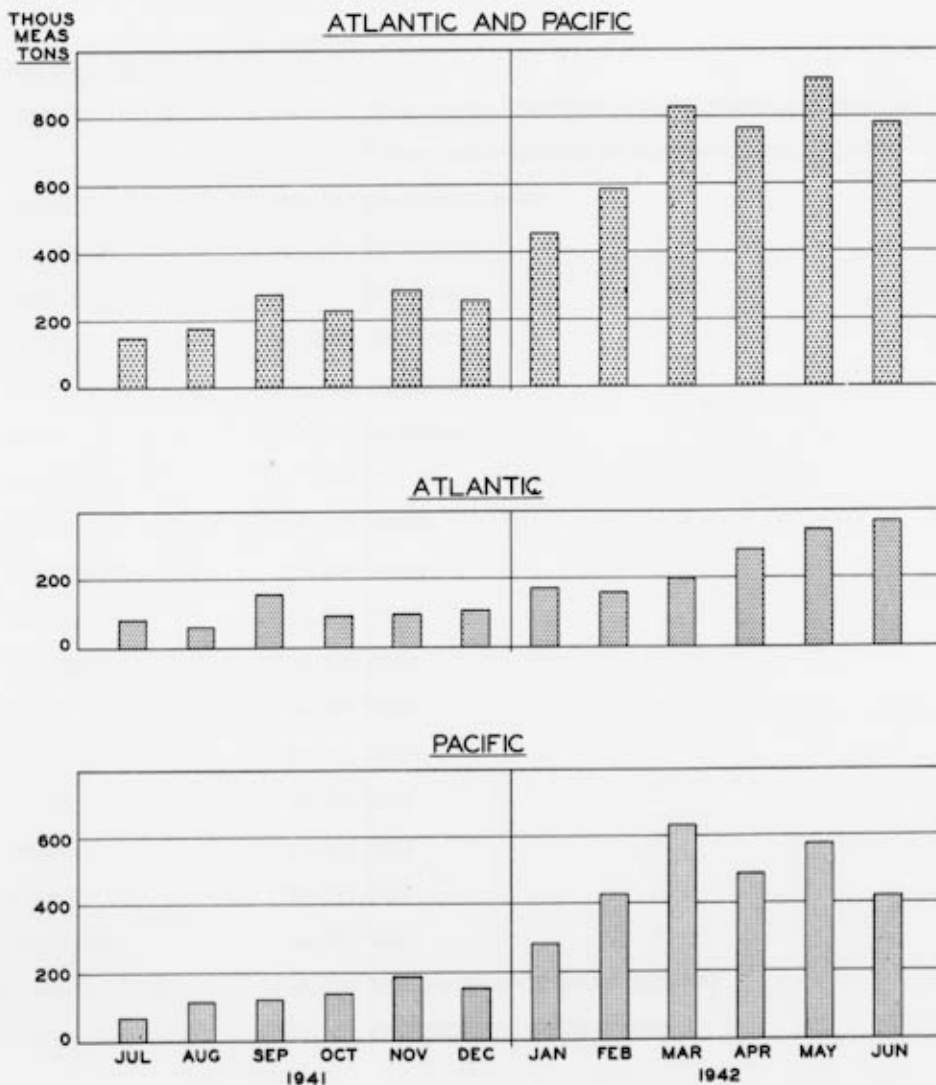
Source of Information: Association of American Railroads - PT Report No. 7

CARLOADS OF EXPORT FREIGHT (EXCLUDING COAL & GRAIN) ON
RAILS AND IN STORAGE AT RAILROAD OWNED AND OPERATED
FACILITIES AT FIFTEEN PRINCIPAL PORTS

	U.S. Army	U.S. Navy	British	Amtorg	China	F.S.C.C.	Others	Total
Feb 6	904	1,078	15,802	2,549	1,737	359	12,312	34,741
Feb 13	837	1,149	16,543	2,820	1,828	391	12,778	36,346
Feb 20	1,017	973	16,617	3,651	1,301	352	13,361	37,272
Feb 27	1,490	791	15,980	4,398	1,246	253	14,126	38,284
Mar 6	1,659	754	15,801	4,527	1,196	404	13,800	38,141
Mar 13	1,240	853	18,238	4,569	1,237	459	14,158	40,754
Mar 20	934	838	15,451	4,717	1,289	381	14,524	38,134
Mar 27	983	846	14,532	3,765	1,200	358	14,546	36,230
Apr 3	1,116	918	14,877	3,615	1,232	320	14,361	36,439
Apr 10	1,401	1,051	14,517	3,891	1,258	520	13,797	36,435
Apr 17	1,543	971	14,215	3,907	1,250	520	13,210	35,616
Apr 24	1,756	821	14,246	4,053	1,262	600	12,894	35,632
May 1	1,967	929	14,376	4,827	1,280	742	13,400	37,521
May 8	1,888	896	15,434	4,637	1,086	1,022	12,646	37,609
May 15	2,156	807	16,244	4,271	929	1,456	12,402	38,265
May 22	3,123	980	15,792	3,724	889	1,716	11,602	37,826
May 29	3,605	975	16,144	3,567	886	1,843	11,061	38,081
Jun 5	2,283	1,093	17,204	3,615	886	1,459	11,692	38,232
Jun 12	2,584	884	15,775	3,845	936	1,259	10,713	35,996
Jun 19	2,399	911	15,786	4,777	883	1,259	10,645	36,660
Jun 26	2,316	921	15,584	5,070	905	1,104	10,738	36,638
Jul 3	2,325	876	16,532	5,865	912	799	10,444	37,753
Jul 10	2,857	1,083	18,109	6,173	878	807	9,689	39,596
Jul 17	2,909	1,180	18,957	5,618	840	1,153	8,327	38,984
Jul 24	2,978	1,267	18,504	6,288	675	1,074	8,406	39,192

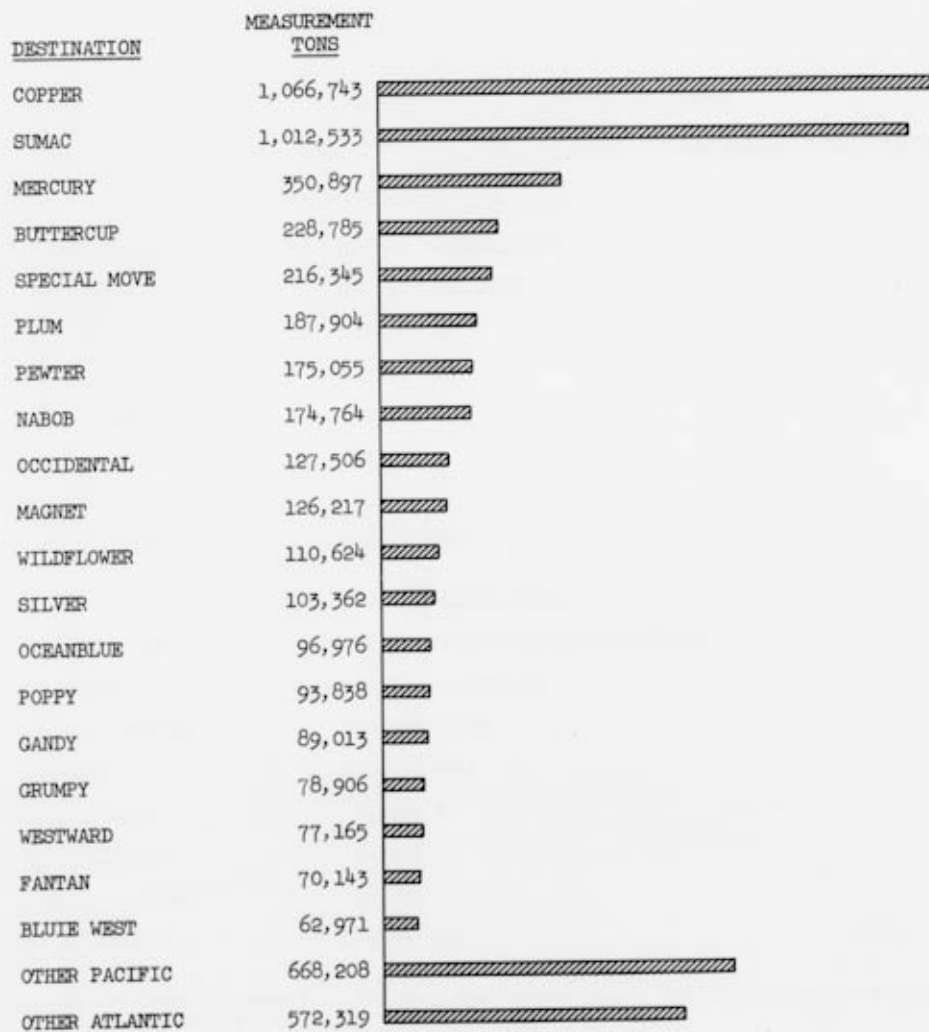
CARGO FLOATED TO OVERSEAS BASES BY ARMY TRANSPORT SERVICE - AREAS BY MONTHS
JULY, 1941 - JUNE, 1942

Sources of Information: Statistics Section, Water Division, Transportation Service



CARGO FLOATED FOR OVERSEAS BASES BY ARMY TRANSPORT SERVICE BY DESTINATION
JULY 1941 - JUNE 1942

Source of Information: Statistics Branch, Water Division, Transportation Service



CARGO FLOATED TO OVERSEAS BASES BY ARMY TRANSPORT SERVICE - AREAS BY PROCURING AGENCY, JULY 1941 - JUNE 1942

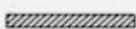
Source of Information: Statistics Section, Water Division, Transportation Service

TOTAL CARGO FLOATED

MEASUREMENT
TONS

ATLANTIC	2,108,830	
PACIFIC	3,581,444	

ATLANTIC AREA

QUARTERMASTER	940,741	
ENGINEERS	630,116	
ARMY AIR FORCES	131,648	
ORDNANCE	103,234	
SIGNAL CORPS	31,338	
MEDICAL CORPS	26,654	
CHEMICAL WARFARE	10,469	
MISCELLANEOUS *	234,630	

PACIFIC AREA

QUARTERMASTER	1,936,647	
ENGINEERS	795,425	
ARMY AIR FORCES	378,959	
ORDNANCE	244,591	
SIGNAL CORPS	29,291	
MEDICAL CORPS	34,126	
CHEMICAL WARFARE	12,404	
MISCELLANEOUS *	150,001	

* Includes cargo floated for the Navy and Marine Corps, Seacoast Defense, Missions, household goods, etc.