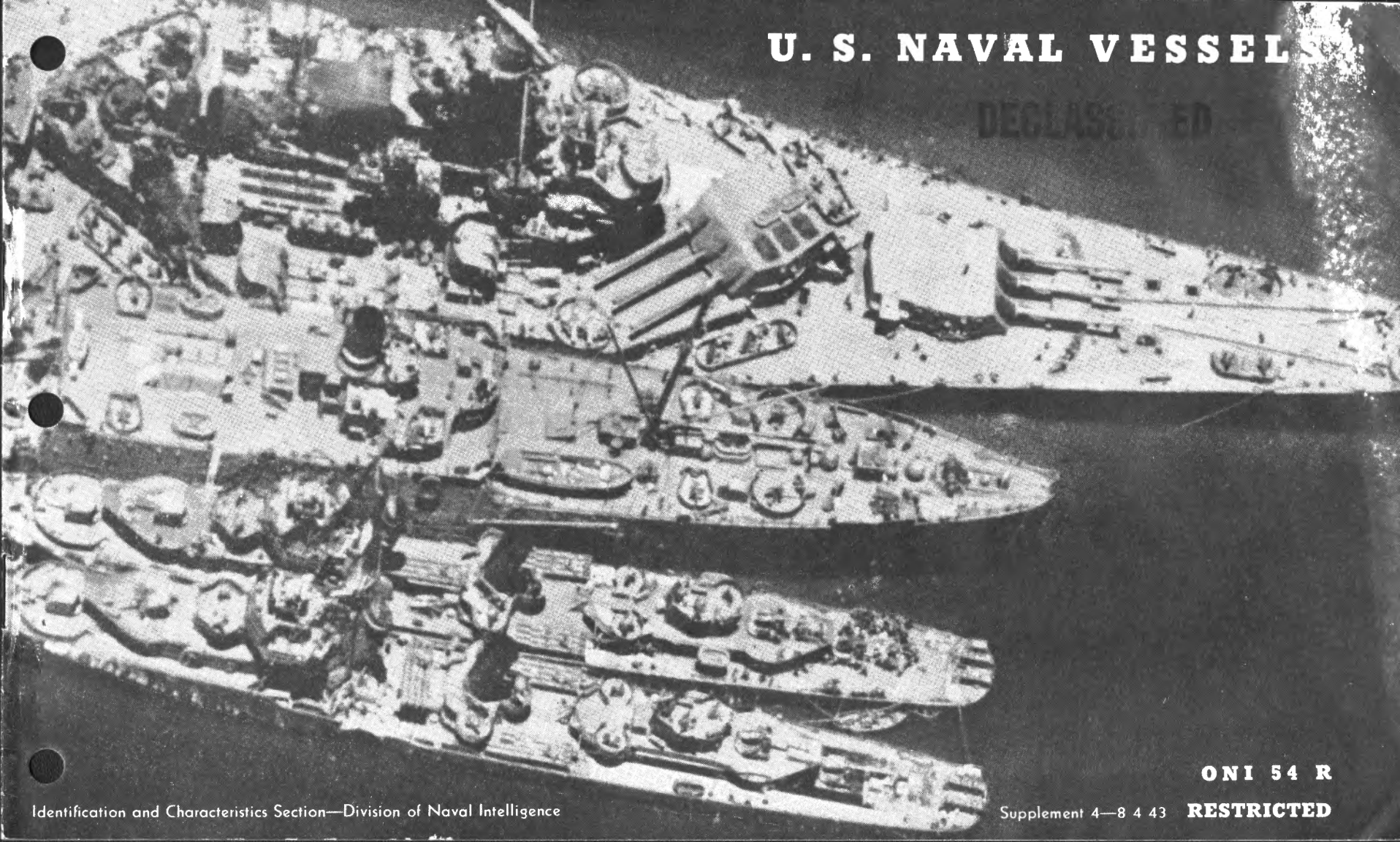


U. S. NAVAL VESSELS

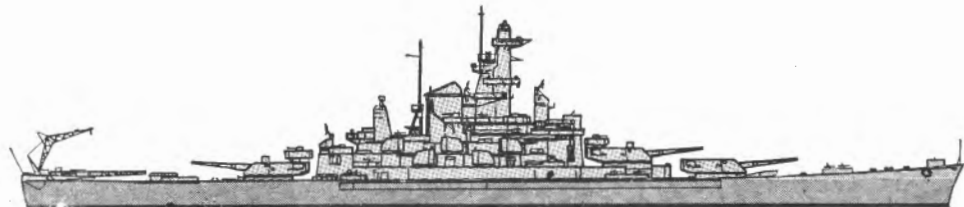
DECLASSIFIED



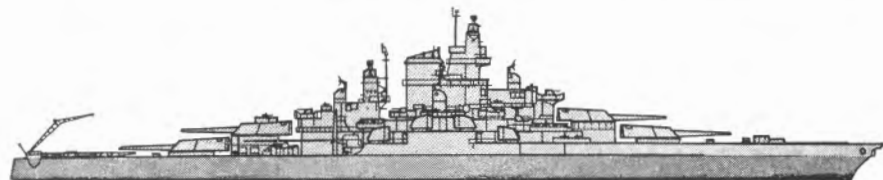
ONI 54 R

U. S. BATTLESHIPS

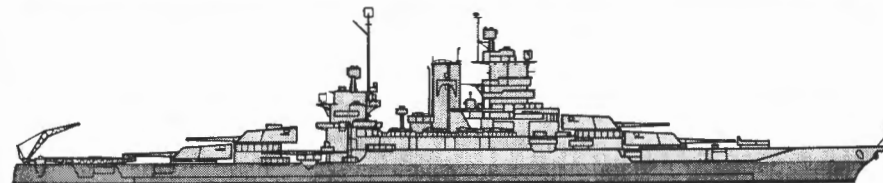
ONI 54-R • RESTRICTED



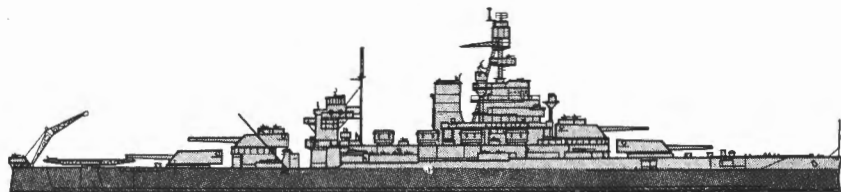
SOUTH DAKOTA CLASS



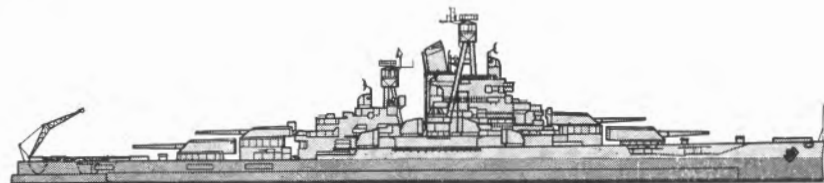
TENNESSEE



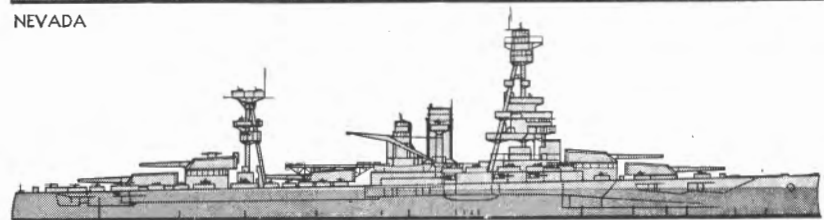
NEW MEXICO CLASS



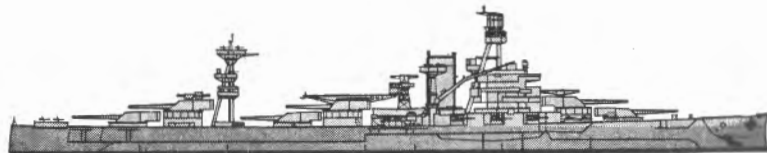
PENNSYLVANIA



NEVADA

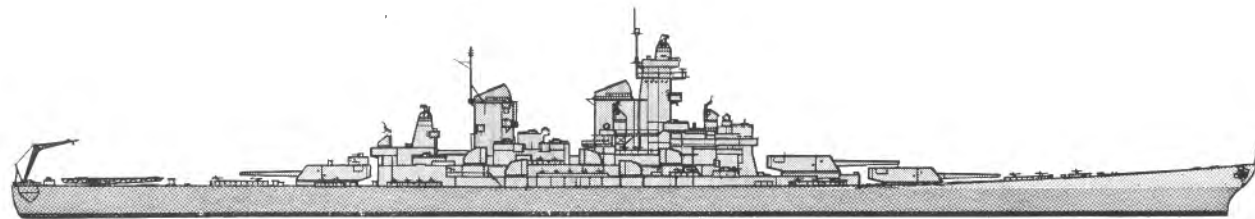


NEW YORK CLASS

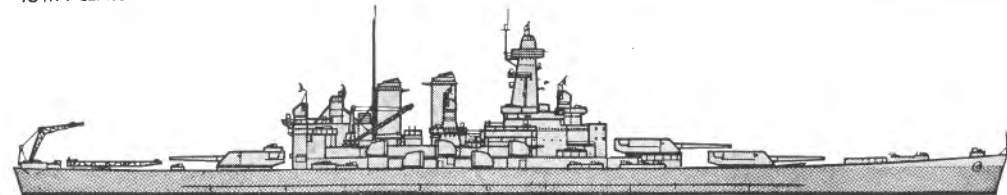


ARKANSAS

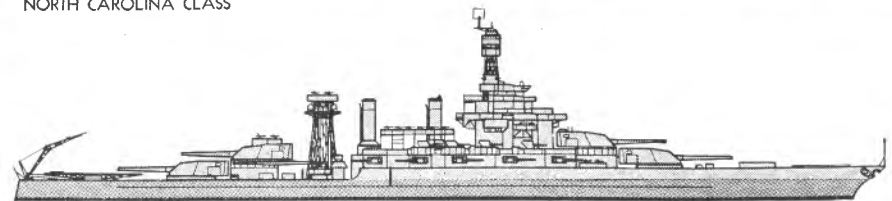
The appearance of U. S. Battleships, since the outbreak of the war, has evolved into a predominantly one-stack design. Although similar in general outline, these one-stackers may be differentiated by their armament dispositions and hull lines. Of the two stack BB's, COLORADO alone is likely to undergo radical alteration of appearance.



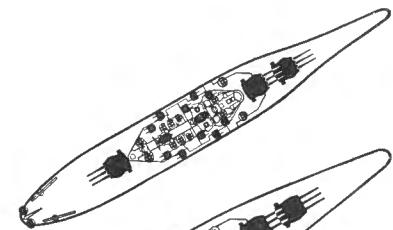
IOWA CLASS



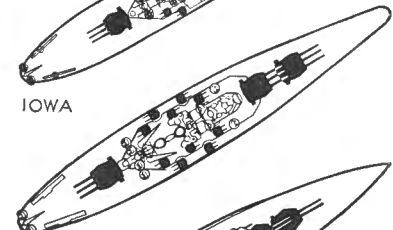
NORTH CAROLINA CLASS



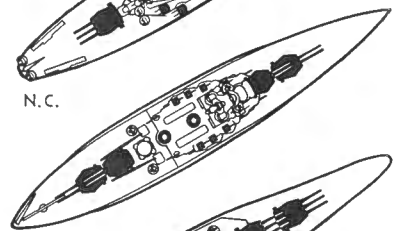
COLORADO CLASS
100



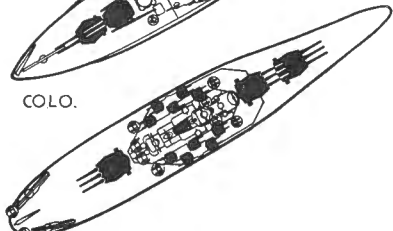
IOWA



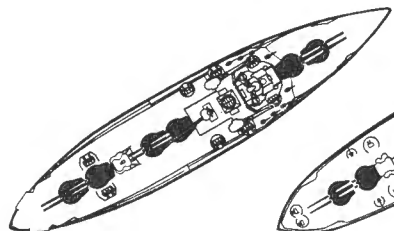
N. C.



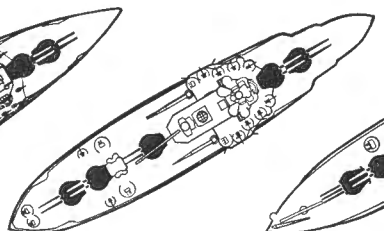
COLO.



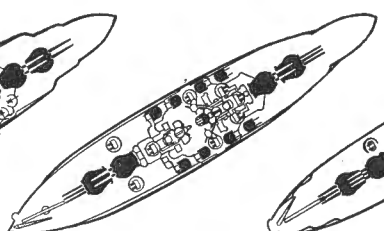
S. DAK.



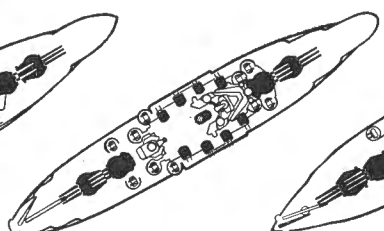
ARK.



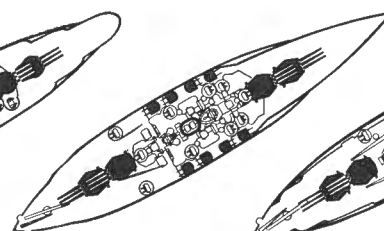
N. Y.



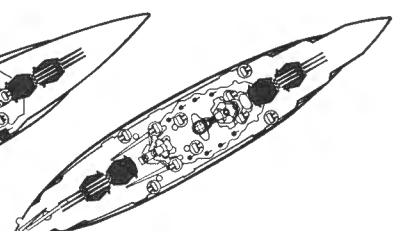
NEV.



PENN.



TENN.

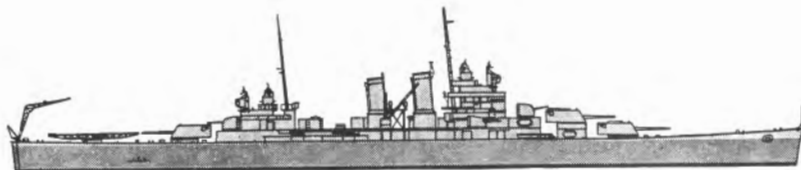


N. MEX.

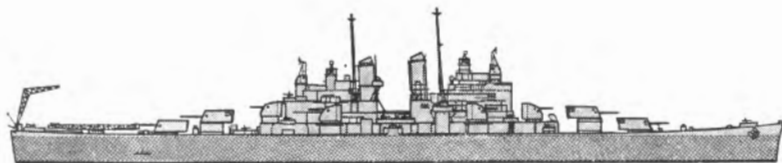
U. S. CRUISERS



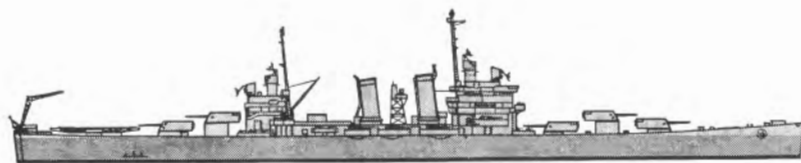
CA—BALTIMORE CLASS



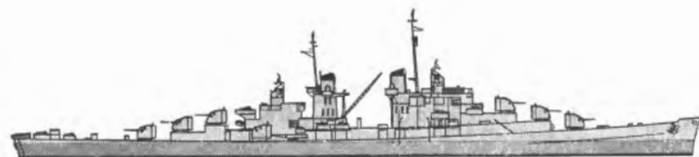
CA—WICHITA



CL—CLEVELAND CLASS



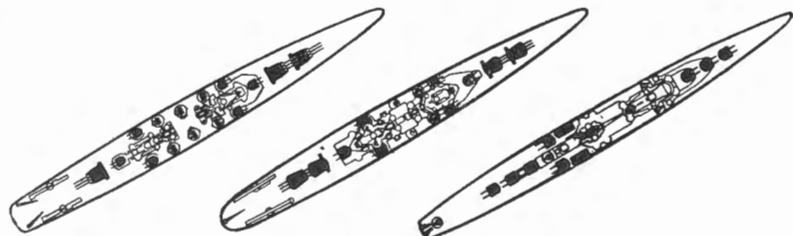
CL—BROOKLYN—PHOENIX CLASSES



CL—ATLANTA—OAKLAND CLASSES



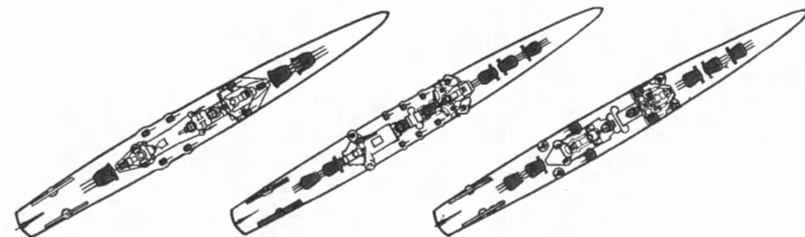
CL—ST LOUIS



BALTIMORE

CLEVELAND

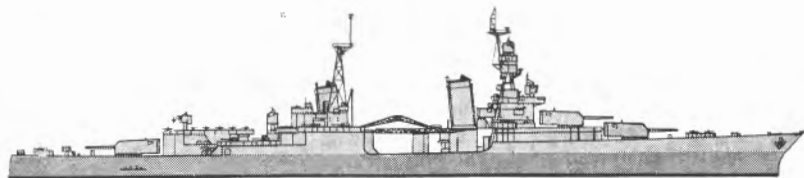
ATLANTA



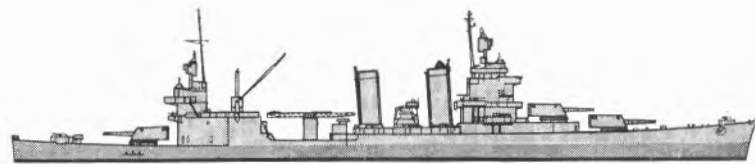
WICHITA

BROOKLYN

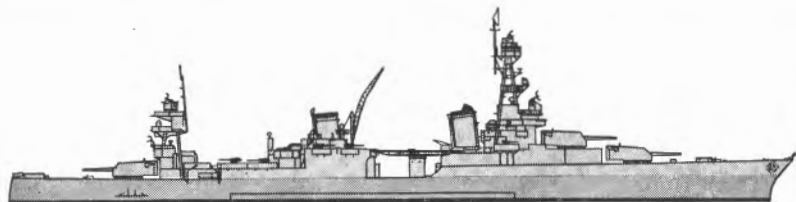
ST LOUIS



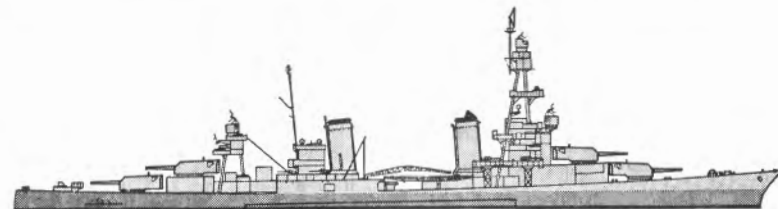
CA—PORTLAND CLASS



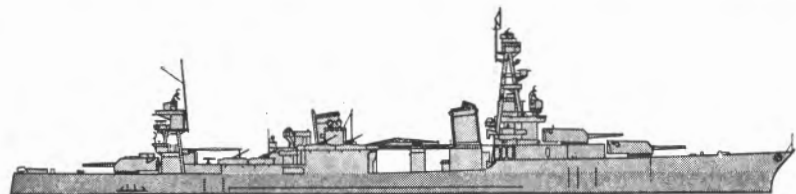
CA—NEW ORLEANS CLASS



CA—AUGUSTA

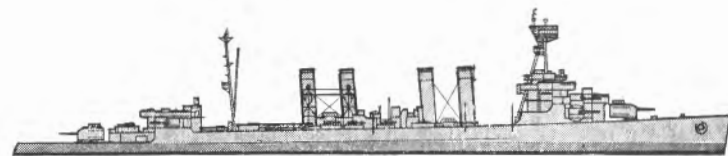


CA—PENSACOLA CLASS

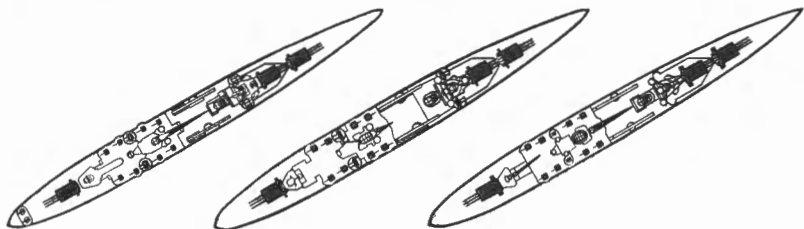


CA—NORTHAMPTON CLASS

100



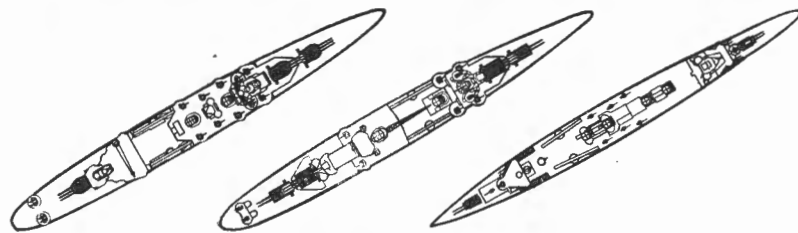
CL—OMAHA CLASS



PORTLAND

AUGUSTA

NORTHAMPTON

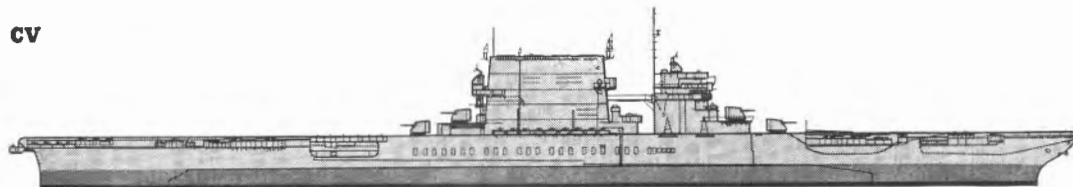


NEW ORLEANS

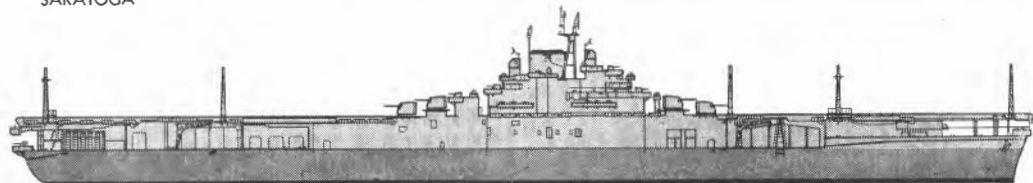
PENSACOLA

OMAHA

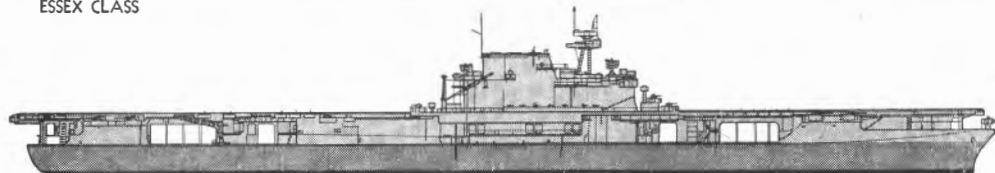
CV



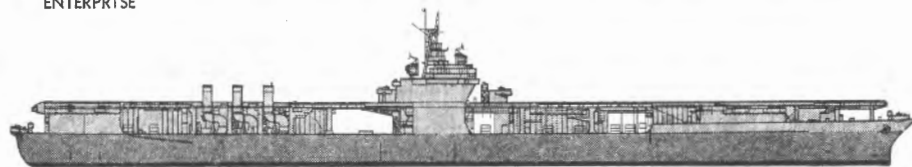
SARATOGA



ESSEX CLASS



ENTERPRISE



RANGER

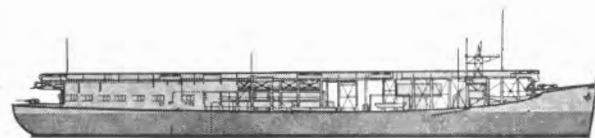
CVL



INDEPENDENCE CLASS

100

CVE



LONG ISLAND



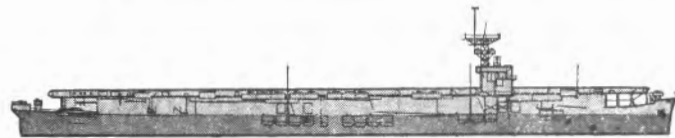
CHARGER



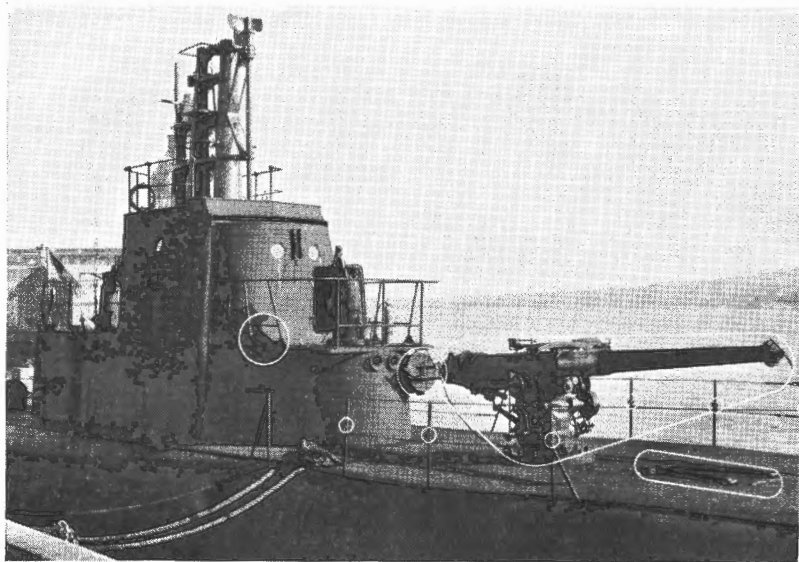
BOGUE—PRINCE WILLIAM CLASSES



CASABLANCA CLASS



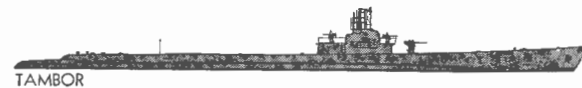
SANGAMON CLASS



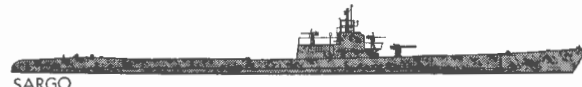
These photos and silhouettes are typical of the appearance changes completed in U. S. Submarines. Once distinctive, these ships now greatly resemble most Axis types, which may be found illustrated in the ONI 220 series.



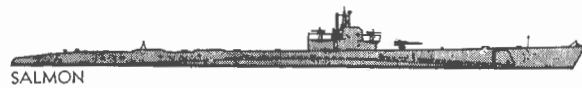
BALAO



TAMBOR



SARGO



SALMON



PORPOISE



MACKEREL



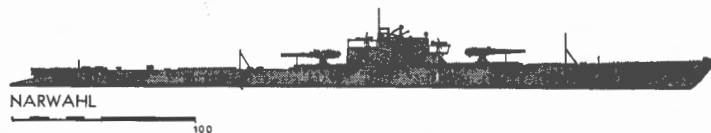
R CLASS



S CLASS



BASS



NARWAHL

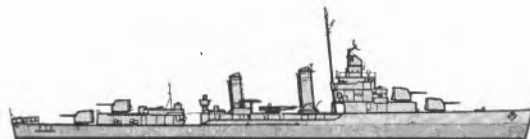
100

DESTROYERS

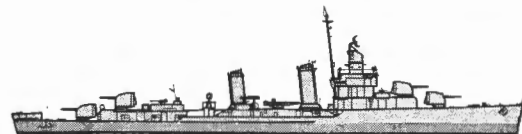
Supplement 4 · 8'4.43 **ONI 54 R - RESTRICTED**



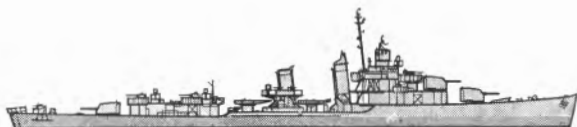
FLETCHER



LIVERMORE



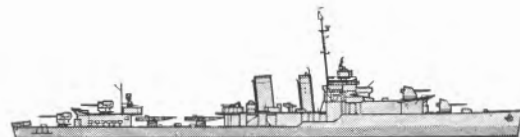
BENSON



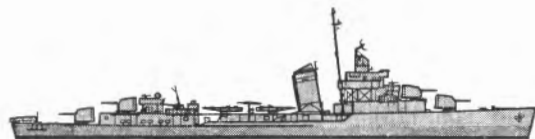
PORTER



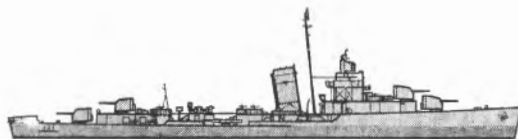
MAHAN-DUNLAP



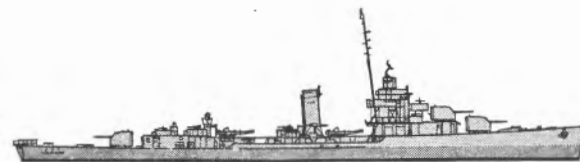
FARRAGUT



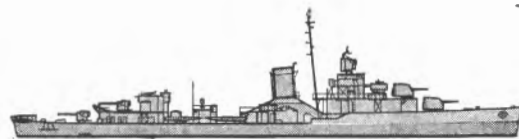
SIMS



BENHAM

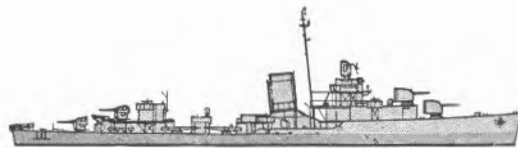


SOMERS



BAGLEY

100

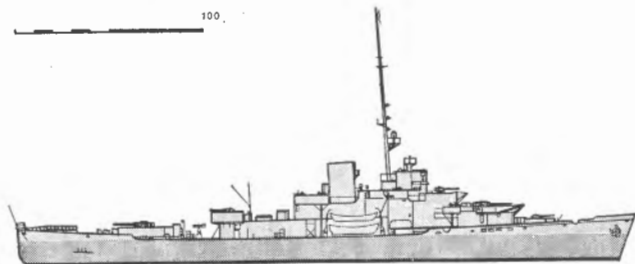


GRIDLEY

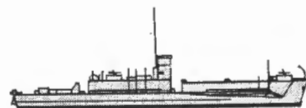


FLUSH-DECKERS

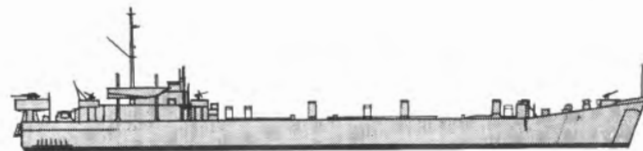
100



PG—COAST GUARD CUTTER



LCI—INFANTRY LANDING CRAFT



LST—TANK LANDING CRAFT



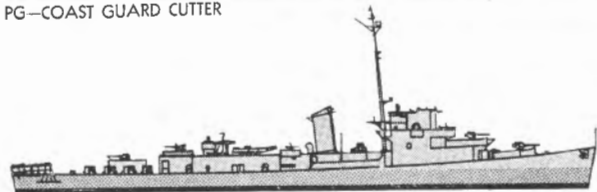
PC—SUBMARINE CHASER—Also AM



PCE—PATROL ESCORT—Also AM



SC—SUBMARINE CHASER



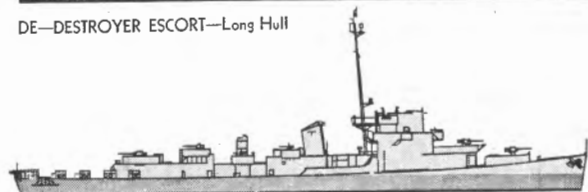
DE—DESTROYER ESCORT—Long Hull



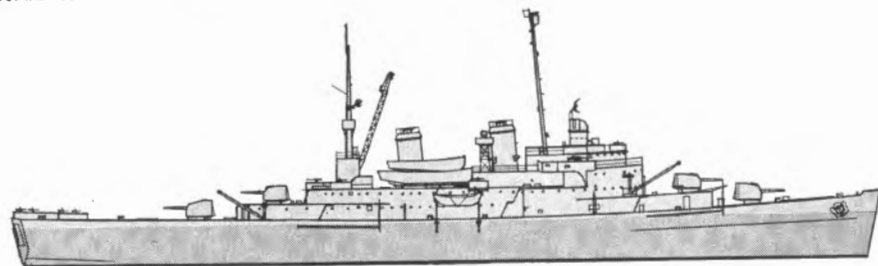
PG—COAST GUARD CUTTER—'A' Class



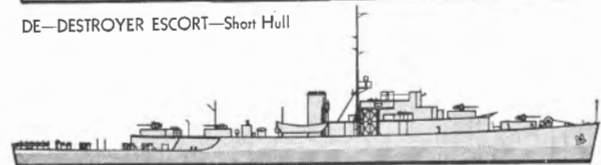
PG—COAST GUARD CUTTER—'B' Class



DE—DESTROYER ESCORT—Short Hull



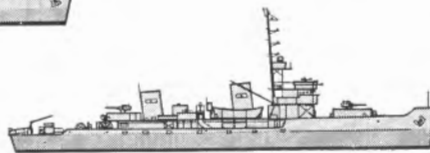
CM—MINE LAYER



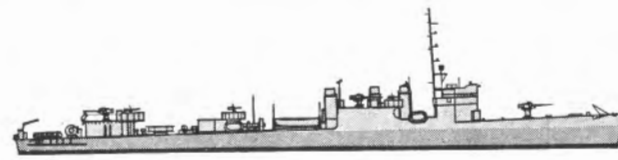
PF—FRIGATE



PG—CORVETTE

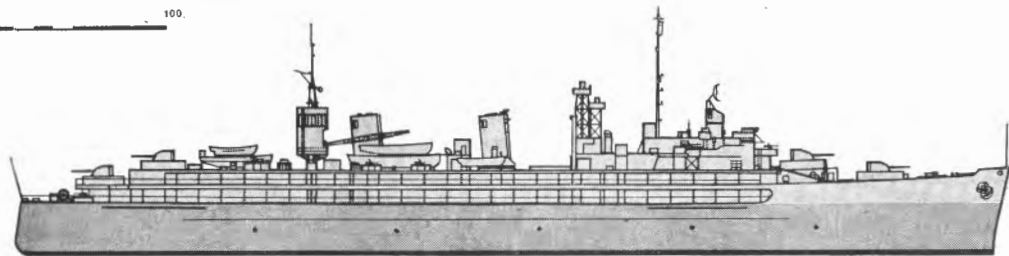


AM—MINE SWEEPER

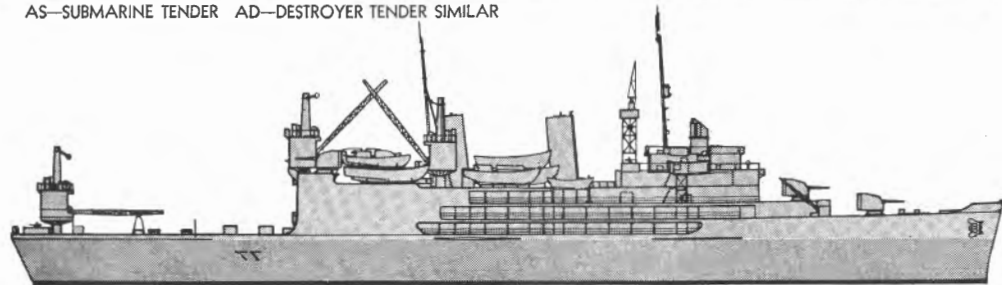


DM—DMS—DESTROYER MINELAYER / SWEEPER

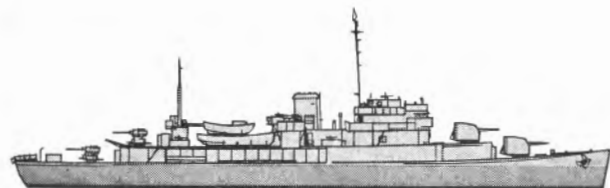
100



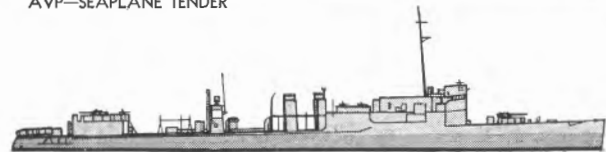
AS—SUBMARINE TENDER AD—DESTROYER TENDER SIMILAR



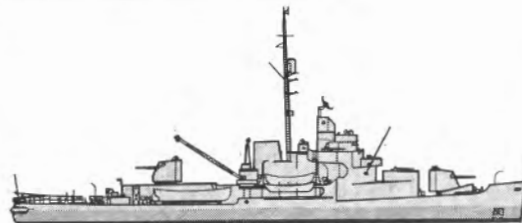
AV—SEAPLANE TENDER



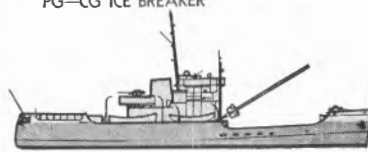
AVP—SEAPLANE TENDER



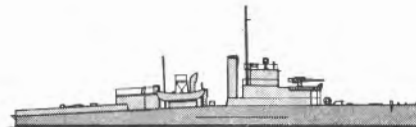
AVD—SEAPLANE TENDER
A PD—DM—DMS SIMILAR



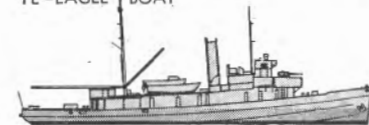
PG—CG ICE BREAKER



AGL—CG TENDER



PE—EAGLE BOAT



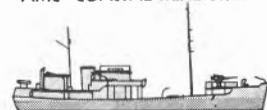
AM—AT—ASR—ARS—AVP



YMS—MOTOR MINE SWEEPER



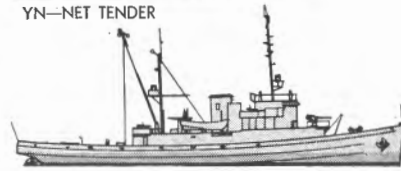
AMC—COASTAL MINE SWEEPER



YP—DISTRICT PATROL VESSELS—AM SIMILAR



YN—NET TENDER



AT—OCEANGOING TUG

ONI 54 R - RESTRICTED

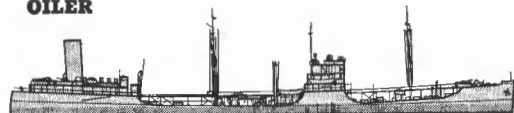
Division of Naval Intelligence—
Identification and Characteristics Section

U. S. CONVERTED MERCHANT AUXILIARIES

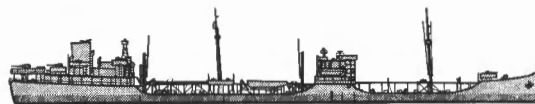
WORLD WAR 2

WORLD WAR 1

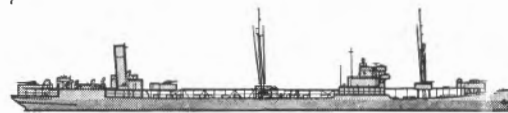
OILER



T2-SEA1



TANKER, T-2

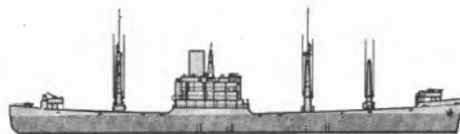


FLUSH-DECKERS

CARGO



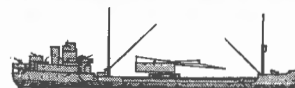
LIBERTY TYPE



C-2 TYPES



"HOG ISLAND" TYPE

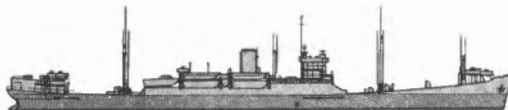


N-3

TRANSPORT



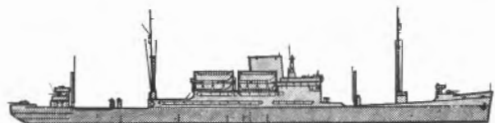
C-3 P&C



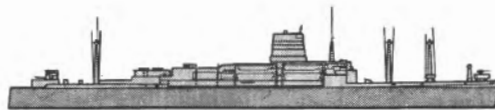
EX-BALTIMORE MAIL "CITY" TYPE



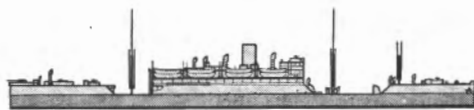
"PRESIDENT" TYPE



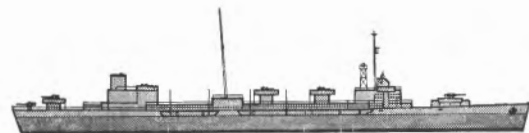
P&C



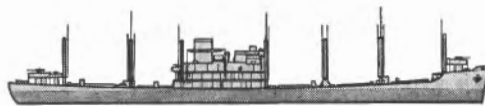
C-3 P&A2



"HOG ISLAND 448" TYPE



C4-SA2



C-3 SA2



EX-UNITED FRUIT LINE

STORESHIP

U. S. Naval Vessels—Type Designations

PRINCIPAL COMBATANT TYPES

BB — Battleship
CB — Large Cruiser
CV — Aircraft Carrier
CVL — Aircraft Carrier (light)
CVE — Aircraft Carrier (escort)
CA — Heavy Cruiser
CL — Light Cruiser
DD — Destroyer
DE — Destroyer Escort Vessel
SS — Submarine
SM — Minelaying Submarine

MINOR COMBATANT TYPES

CM — Minelayer
DM — Light Minelayer
DMS — High-Speed Minesweeper
AM — Minesweeper
AN — Net-laying Ship
PF — Frigate
PE — Eagle Boat
PG — Gunboat
PC — Submarine Chaser
PCE — Patrol Craft Escort
PCS — Submarine Chaser (136')
SC — Submarine Chaser (110')
PT — Motor Torpedo Boat
PY, PYc — Yacht

NAVAL AUXILIARIES

TENDERS

AD — Destroyer Tender
AH — Hospital Ships
AS — Submarine Tender
ASR — Submarine Rescue Vessel
AR — Repair Ship

ARB — Battle Damage Repair Ship
ARG — Internal Combustion Engine Repair Ship
ARH — Hull Repair Ships
ARL — Landing Craft Repair Ship
ARS — Salvage Vessel
AV — Seaplane Tender
AVD — Destroyer Seaplane Tender
AVP — Small Seaplane Tender
AGP — Motor Torpedo Boat Tender

CARGO AND FUEL SHIPS

AE — Ammunition Ships
AF — Provision Storeship
AK — Cargo Ship
AKA — Attack Cargo Ships
AKS — Stores Issue Ships
AO — Oiler
AOG — Gasoline Tanker

TRANSPORTS

AP — Troop Transport
APA — Attack Transport
APD — High-Speed Transport
APH — Wounded Evacuation Transport
APM — Mechanized Artillery Transport
APR — Rescue Transport
APV — Aircraft Transport
AGC — Operations and Command Headquarters Ship

LANDING CRAFT

LCC — Control Landing Craft
LCI — Infantry Landing Craft
LCT — Tank Landing Craft
LSD — Dock Landing Ship
LST — Tank Landing Ship

LCM — Mechanized Equipment Landing Craft
LCV — Vehicle Landing Craft
LCS — Support Landing Craft
LCP — Personnel Landing Craft
LVT — Tracked Landing Craft
LCR — Rubber Landing Craft

BASE CRAFT

AB — Crane Ship
ABD — Advance Base Dock
ABSO — Advance Base Sectional Dock
AFD — Mobile Floating Dock
APL — Barracks Ship
APc — Coastal Transport
ARDC — Concrete Repair Dock
ARD — Floating Drydock
AT — Ocean-going Tug
ATR — Rescue Tug
AVR — Aircraft Rescue Vessel
AMB — Harbor Minesweeper

MISCELLANEOUS

AG — Miscellaneous Auxiliaries
AGS — Surveying Ship
IX — Unclassified

DISTRICT CRAFT

YAG — Miscellaneous District Auxiliaries
YMS — Motor Minesweeper
YMT — Motor Tug
YN — Net Tender
YNg — Gate Tender
YP — District Patrol Vessel
YT — Harbor Tug
CMc — Coastal Minesweeper

BARGES

YCD — Fueling Barge
YOG — Gasoline Barge
YO — Fuel-oil Barge
YOS — Oil Storage Barge
YPK — Pontoon Storage Barge
YS — Stevedoring Barge
YSR — Sludge Removal Barge
YTT — Torpedo Testing Barge
YW — Water Barge

LIGHTERS

YA — Ash Lighter
YC — Open Lighter
YCK — Open Cargo Lighter
YCV — Aircraft Transport Lighter
YF — Covered Lighter
YFT — Torpedo Transport Lighter
YG — Garbage Lighter
YLA — Open Landing Lighter

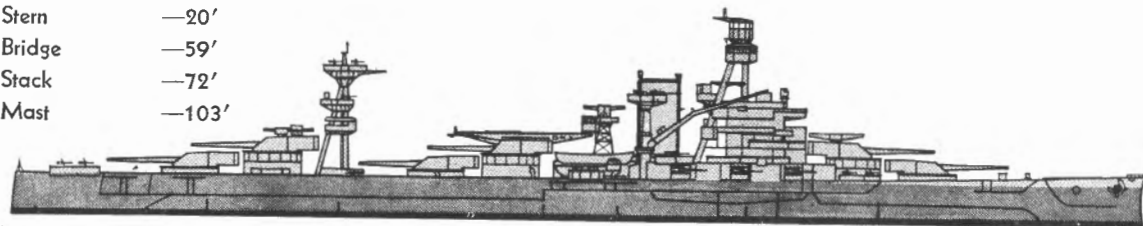
MISCELLANEOUS

YCF — Car Floats
YD — Floating Derrick
YDG — Degaussing Vessel
YDT — Diving Tender
YE — Ammunition Tender
YFB — Ferry Boat
YFD — Floating Drydock
YHB — Houseboat
YHT — Heating Scow
YM — Dredge
YPD — Floating Pile Driver
YR — Floating Workshop
YRD(H) — Dry Dock Workshop—Hull
YRD(M) — Dry Dock Workshop—Machinery
YSD — Seaplane Wreck Derrick
YSP — Salvage Pontoon

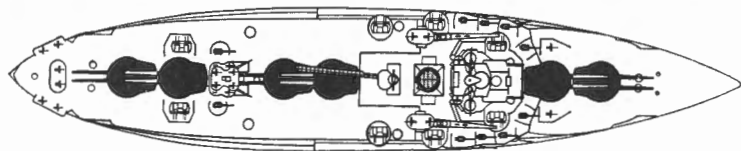
ONI 54-R • RESTRICTED

Supplement 4—8-4-43

Bow —27'
Stern —20'
Bridge —59'
Stack —72'
Mast —103'



Length o. a. —554'



1-2-43 ▼

ARKANSAS—BB 33

Division of Naval Intelligence—Identification and Characteristics Section

Ships in Class:

ARKANSAS—BB 33

WYOMING—AG 17

Last unit of eight dreadnaughts completed in 1912. Rebuilt 1925-27, modernized in 1942. WYOMING (silhouette), partially demilitarized, serves as a Gunnery Training Ship.

Observer's Note:

—2-A-2-2 main battery disposition
(Japan's ISE Class similar)

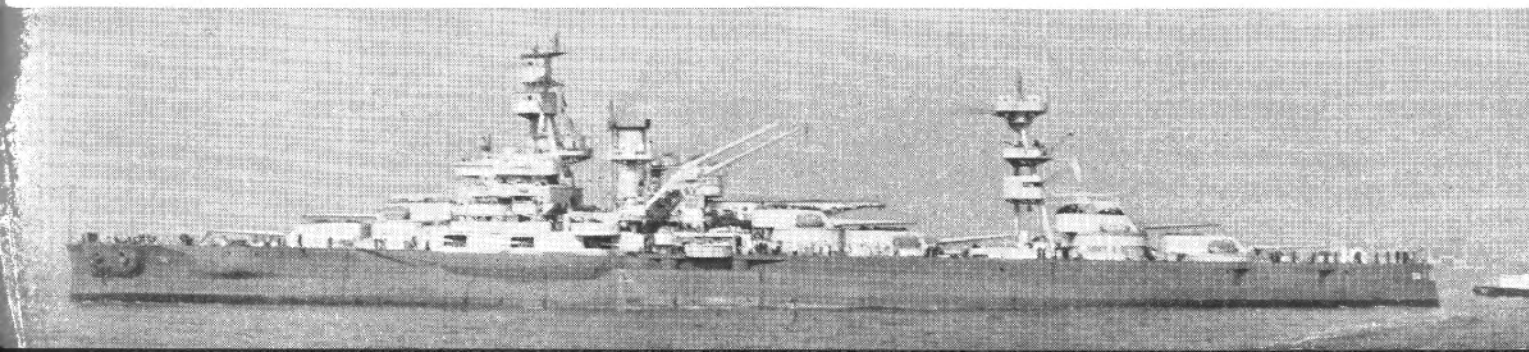
—Low, widely spaced tripod masts (WYOMING retains original cage foremast)

—Catapult on No. 3 turret, flanked by prominent cranes.





ARKANSAS 7-1-43 ▲
6-27-42 ▼

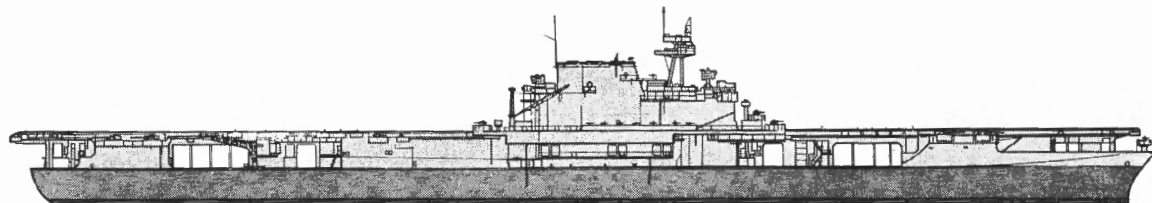


ONI 54-R • RESTRICTED

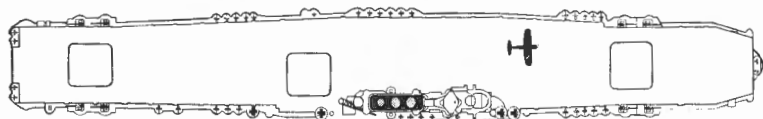
Supplement 4—8-4-43

ENTERPRISE—CV 6

Division of Naval Intelligence—Identification and Characteristics Section



Length o. a. —825



Height above w. l.

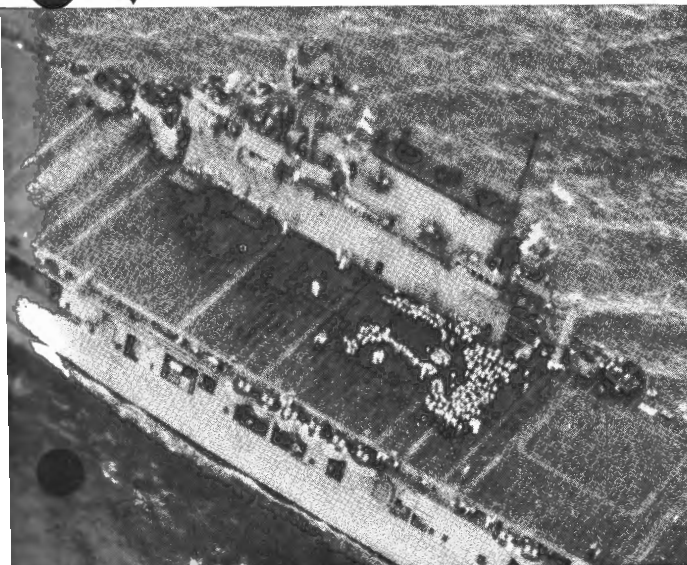
Deck	—55'
Bridge	—86'
Stack	—103'
Mast	—143'

Designed as an enlarged, speedier RANGER, this ship was authorized under the N. R. A. and completed in 1938. Resembles the new ESSEX design.

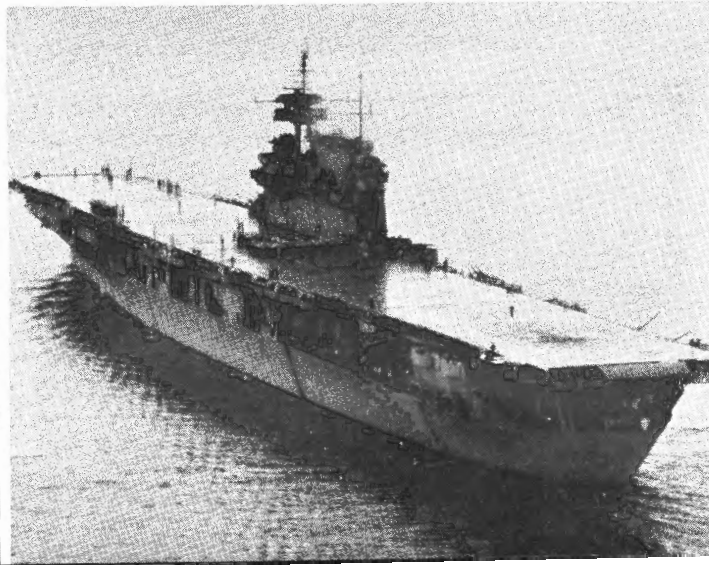
Observer's Note:

- Long, low island superstructure combined with heavy stack.
- Light tripod foremast with stick mainmast stepped abaft stack.
- Full-length flight deck, broken freeboard.

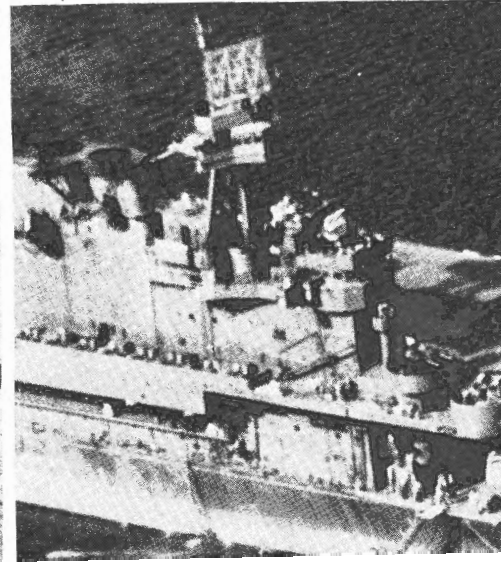
▼ 6-7-43

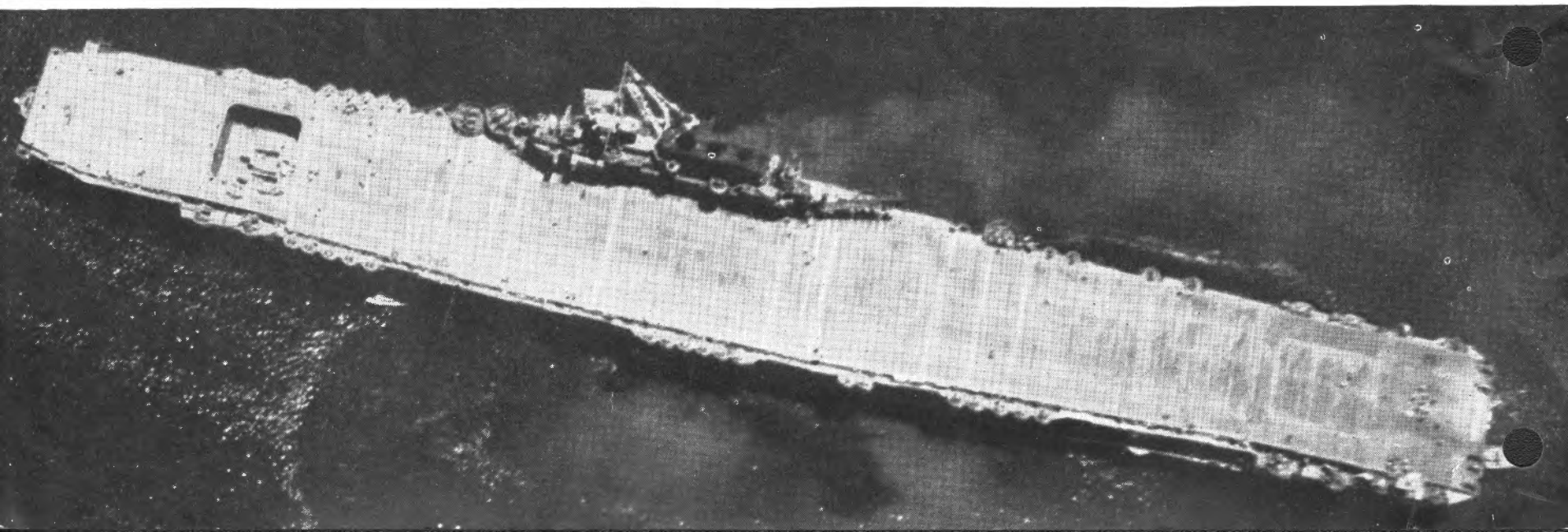
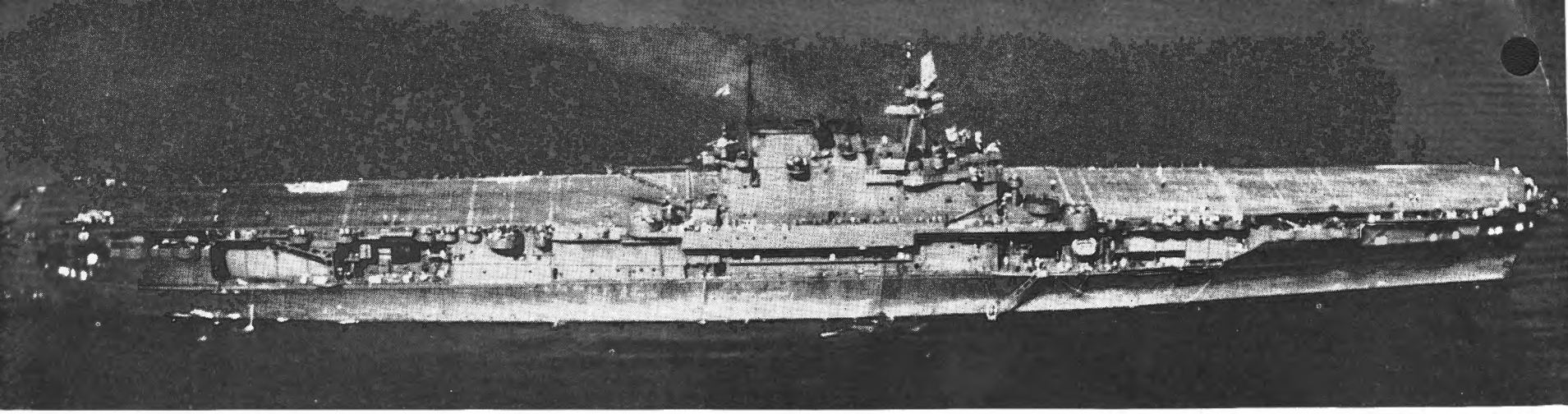


▼ 6-7-43



▼ 11-10-42 (Also full length views)





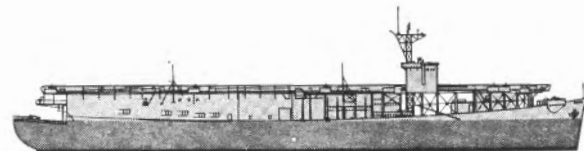
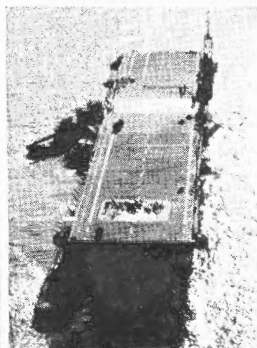
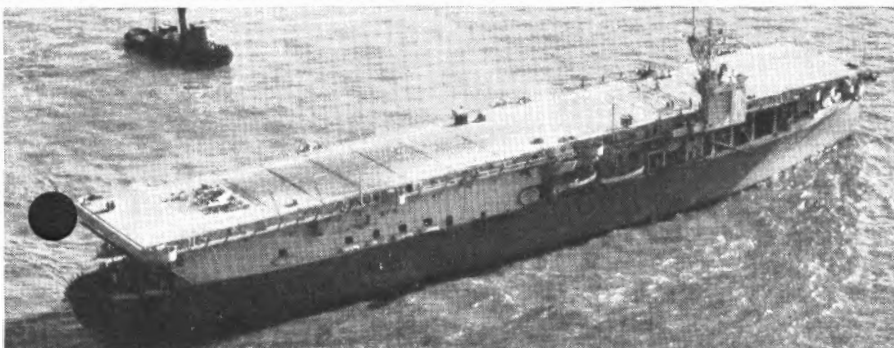
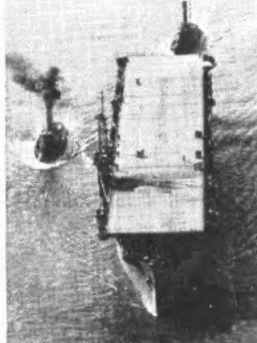
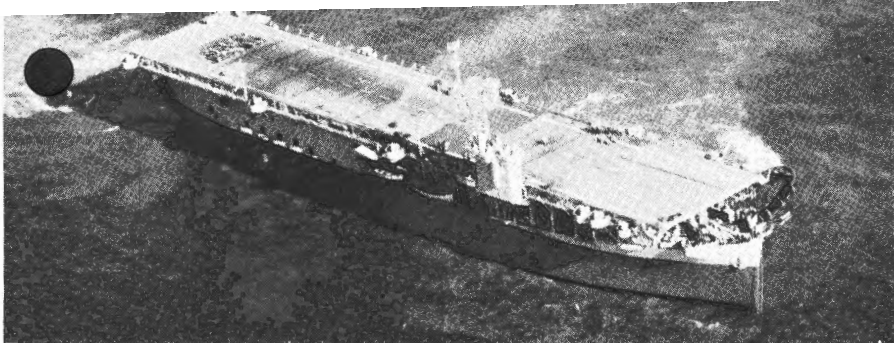
CHARGER—CVE 30

Division of Naval Intelligence—Identification and Characteristics Section

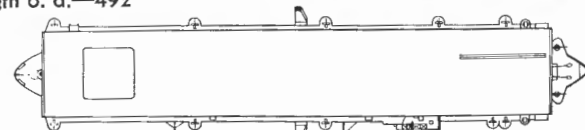
The first conversions of this war, these ships were developments of the LANGLEY design (the "old covered wagon"). Identical with the CHARGER is the British ARCHER Class CVE.

Observer's Note:

- Freighter hull, enclosed to flight deck aft, open forward.
- Trestle mast on LONG ISLAND tops box bridge on CHARGER.
- Note CHARGER is the only CVE without a raised forecastle.

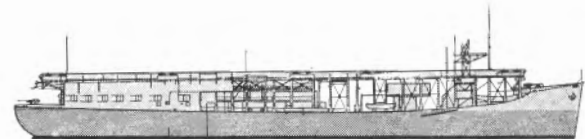
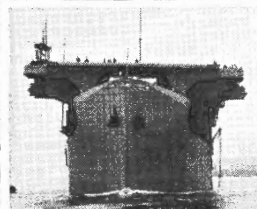
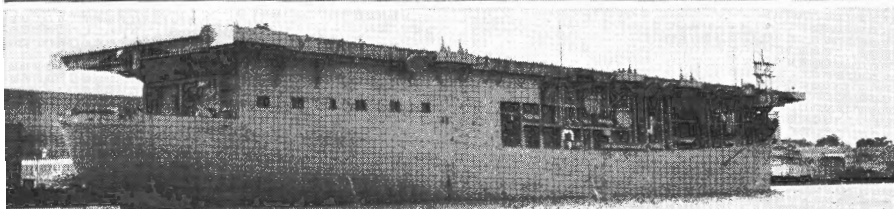


Length o. a.—492'

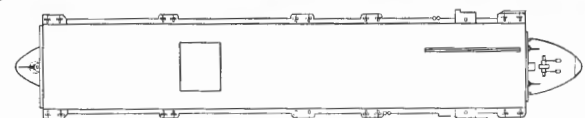


Height above w. l. Bridge—69' Deck—52' Mast—88'

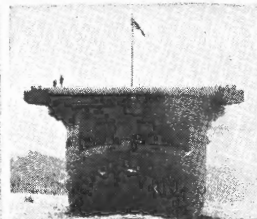
LONG ISLAND—CVE 1

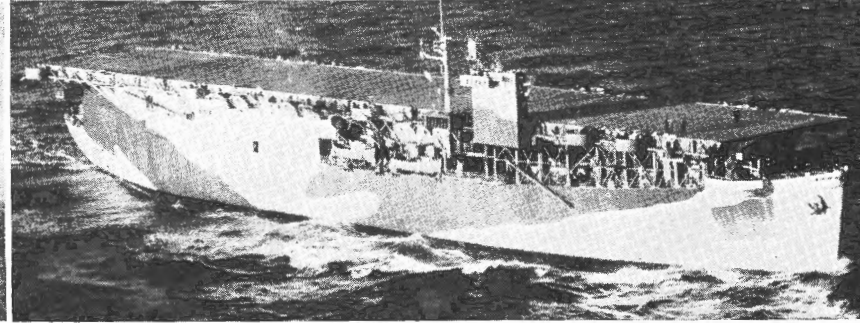
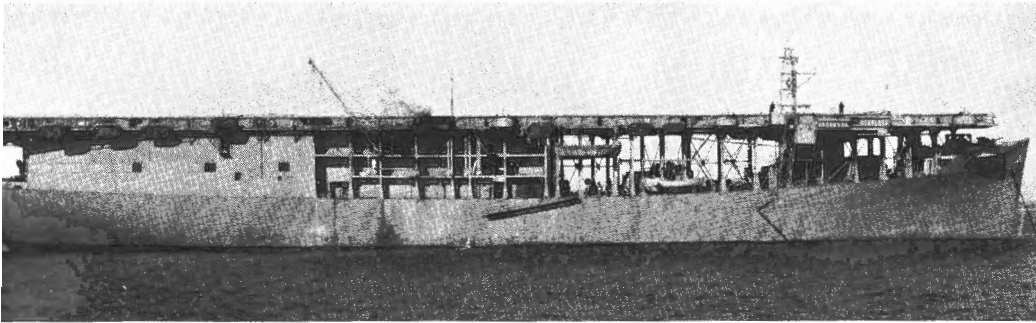


Length o. a.—492'



Height above w. l. Deck—58' Mast—69'

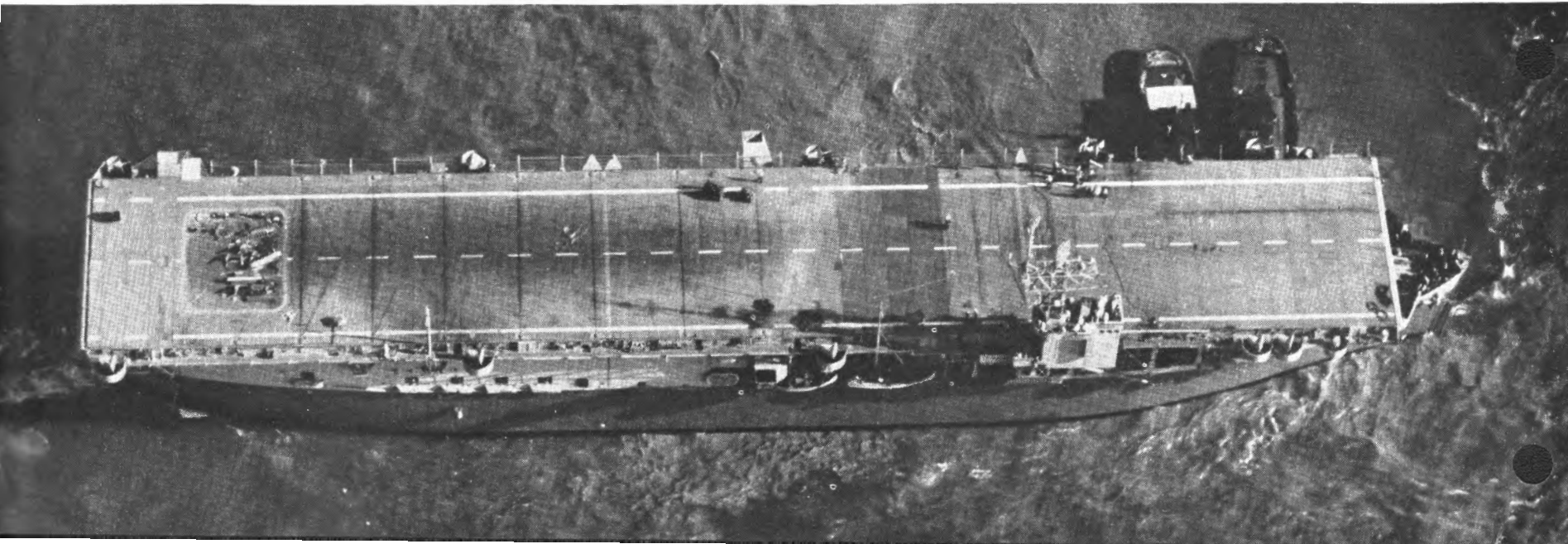




▲ British sister ship to the LONG ISLAND, HMS ARCHER, 12-41.

All photographs of the LONG ISLAND, 12-19-42; of CHARGER, ▼ 9-24-42.

▲ HMS BITER is similar to the CHARGER.

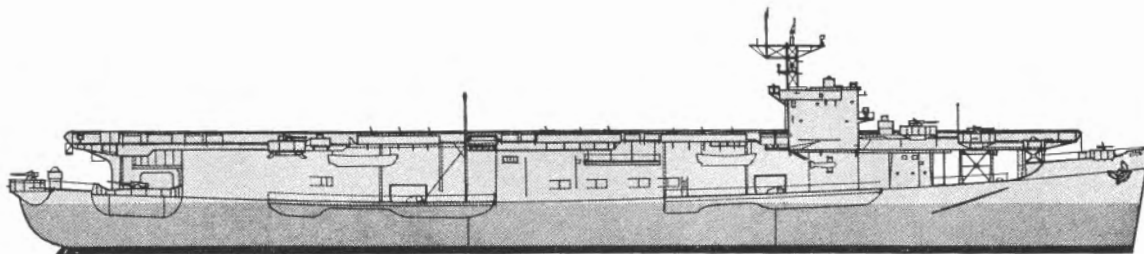


ONI 54-R • RESTRICTED

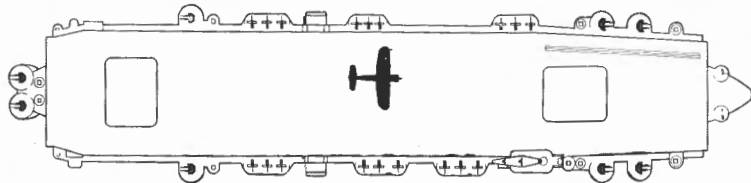
Supplement 4—8-4-43

BOGUE, PRINCE WILLIAM Classes—CVE 9

Division of Naval Intelligence—Identification and Characteristics Section



Length o. a. —494'



Height above w. l.

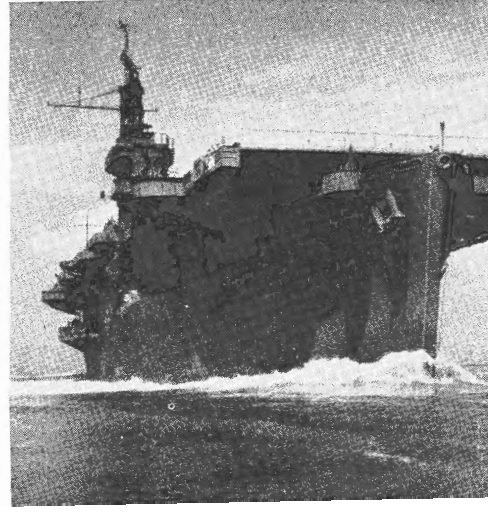
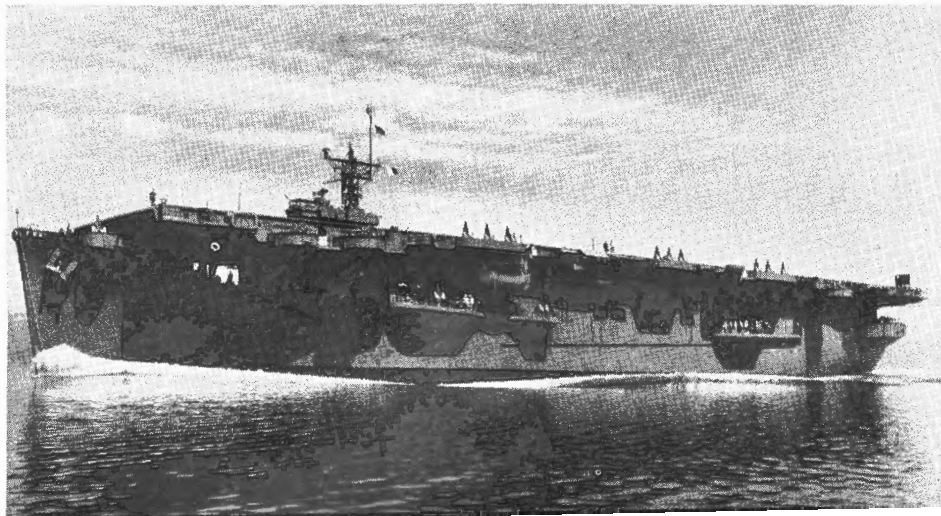
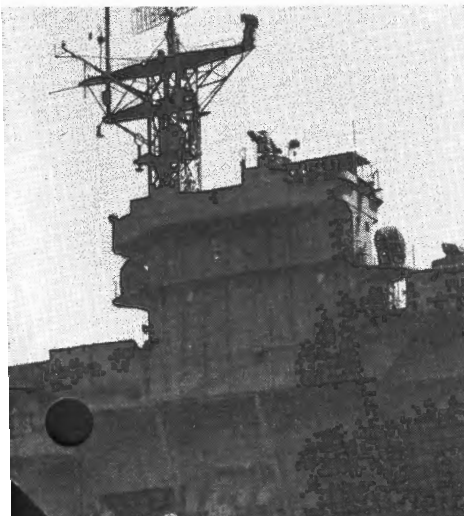
Bridge	—73'
Deck	—54'
Mast	—90'

Converted from C-3 cargo hulls, these ships represent an improved CHARGER type. Often called "Baby Carriers", or by the British (who have sister ships) "Woolworth Carriers". Although divided into two classes there are no apparent appearance variations.

Observer's Note:

- Hull enclosed to flight deck.
- Standard CVE box bridge topped by trestle mast.
- Distinguished from other classes by presence of hull spans.

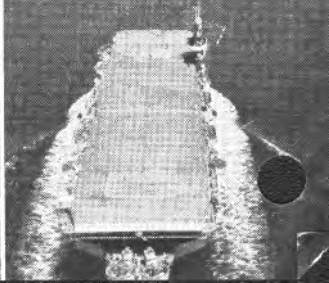
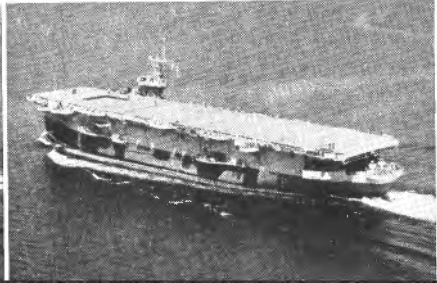
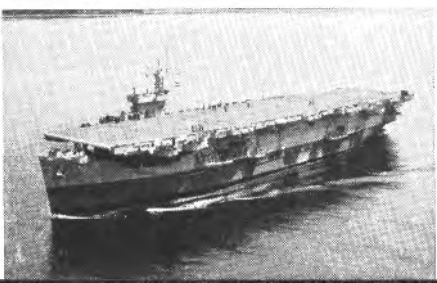
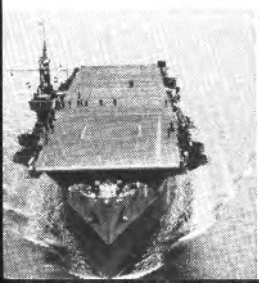
6-24-42 ▼

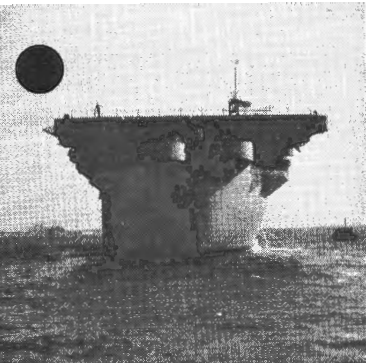




▲ USS BARNES, photographed 7-1-43, while ferrying a load of Thunderbolts and dismantled Lightnings.

CROATAN photographed 5-20-43. ▼





ONI 54-R • RESTRICTED

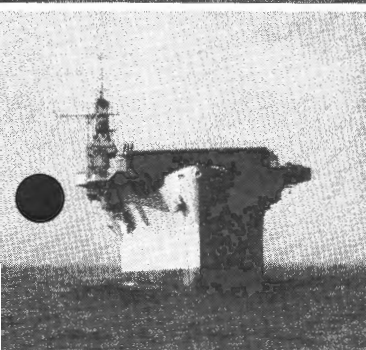
Supplement 4—4-8-43

Height above w. l.

Bridge —59'

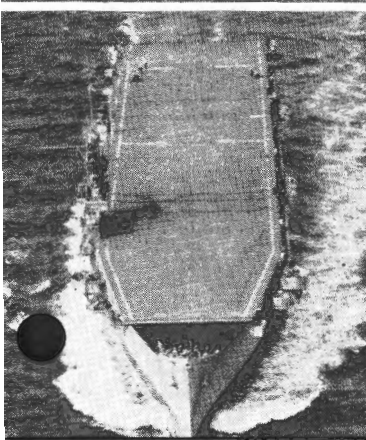
Deck —42'

Mast —84', 108'



Length o. a.—553'

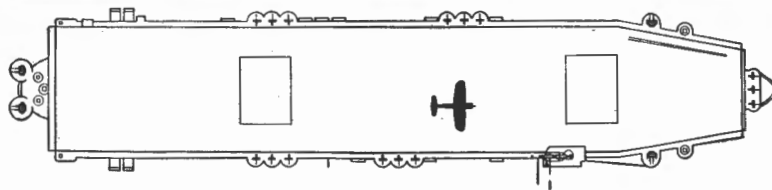
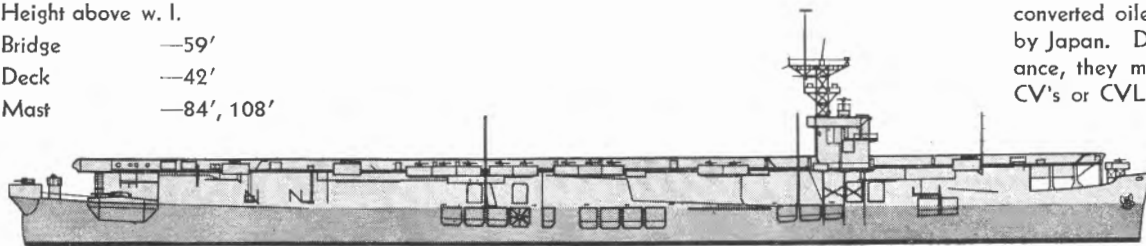
9-19-42



SANGAMON Class—CVE 26

Division of Naval Intelligence—Identification and Characteristics Section

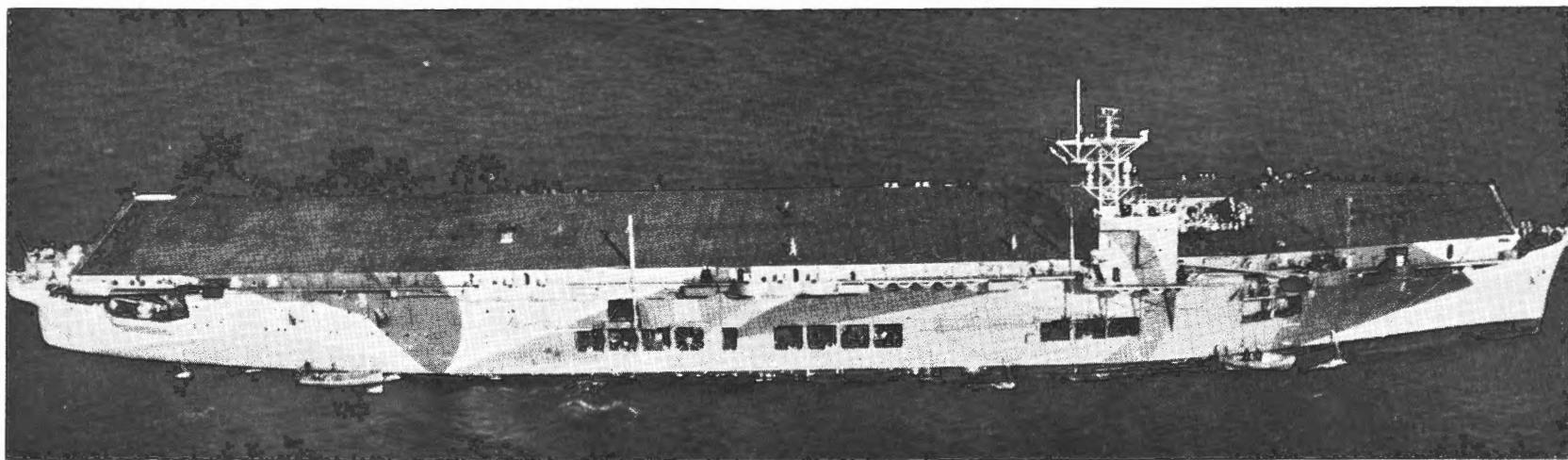
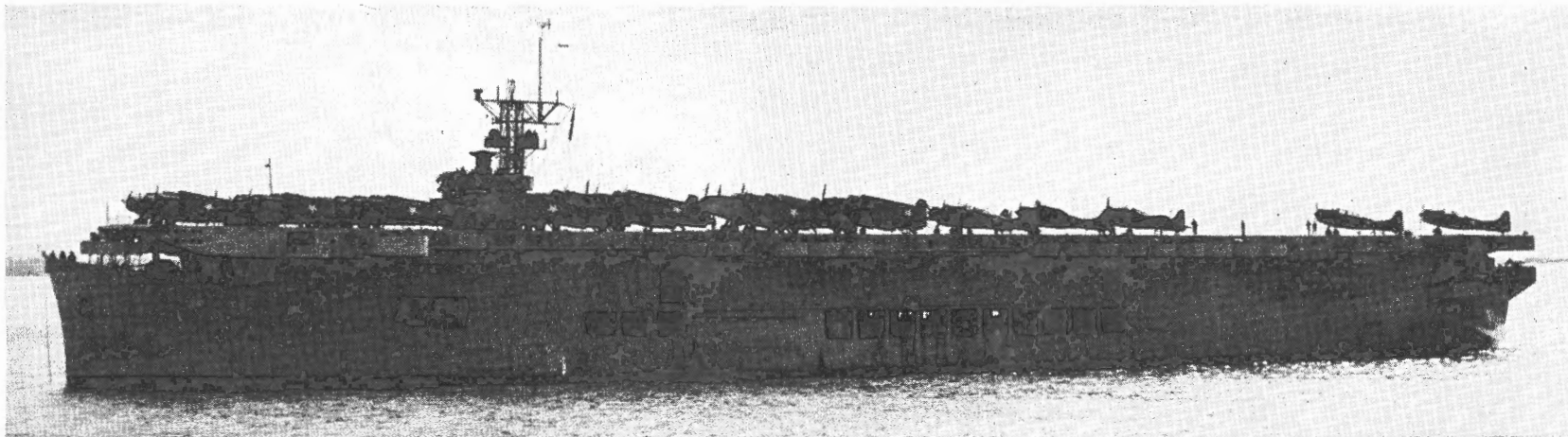
The largest type of CVE, these ships are converted oilers, an expediency also used by Japan. Due to their elongated appearance, they may easily be confused with CV's or CVL's.



Observer's Note:

- Hull enclosed to flight deck, with numerous rectangular openings in freeboard.
- Standard CVE box bridge and trestle mast.

▼ SANGAMON, 9-11-42. Note TBF's, SBD's on flight deck.



▲ Camouflaged SANTEE 9-27-42.

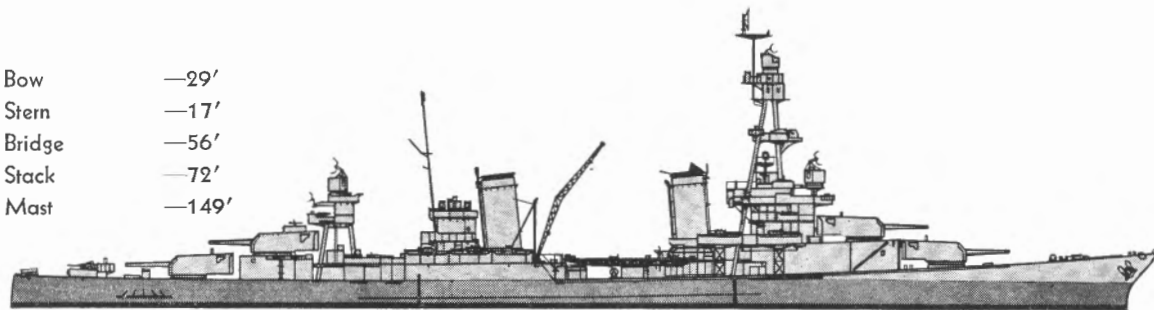
ONI 54-R • RESTRICTED

Supplement 4—8-4-43

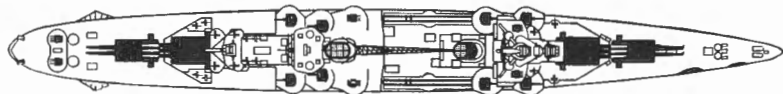
PENSACOLA Class—CA 24, 25

Division of Naval Intelligence—Identification and Characteristics Section

Bow	—29'
Stern	—17'
Bridge	—56'
Stack	—72'
Mast	—149'



Length o. a.—585'



Ships in Class:

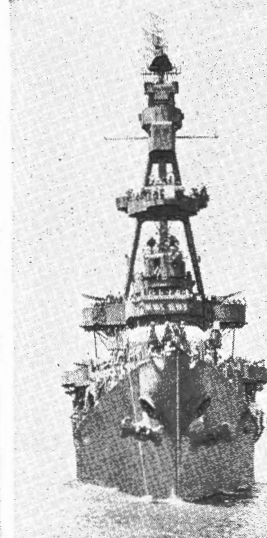
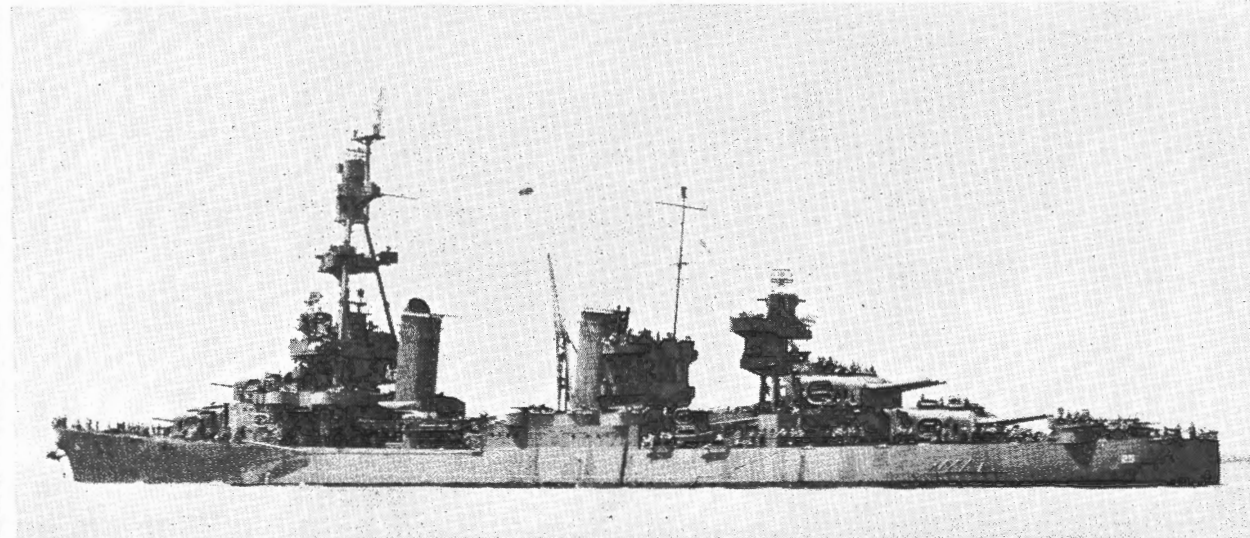
PENSACOLA —CA 24

SALT LAKE CITY—CA 25

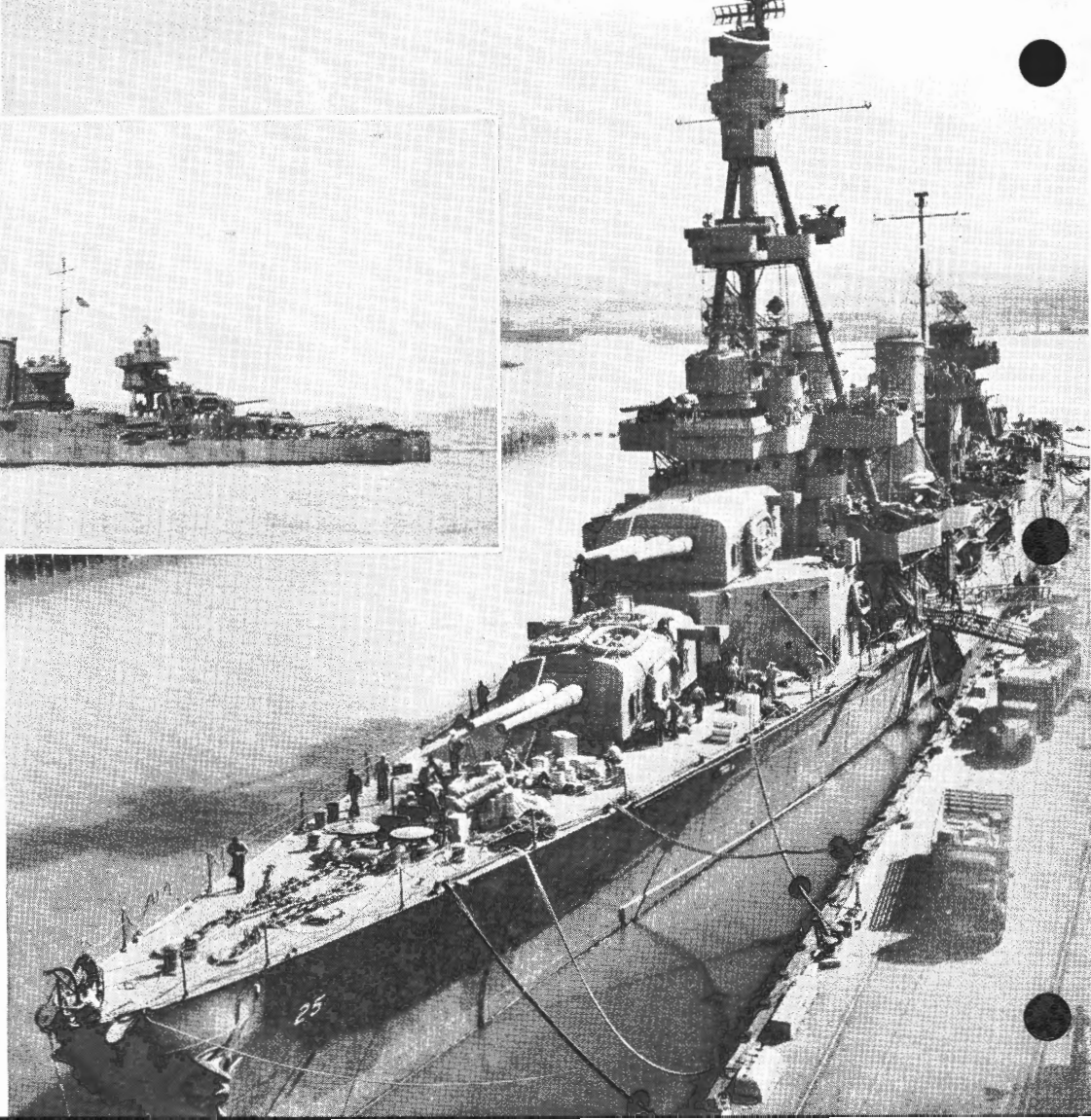
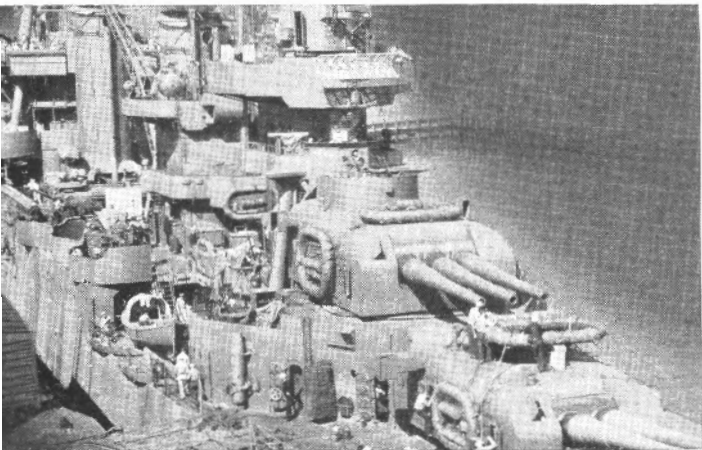
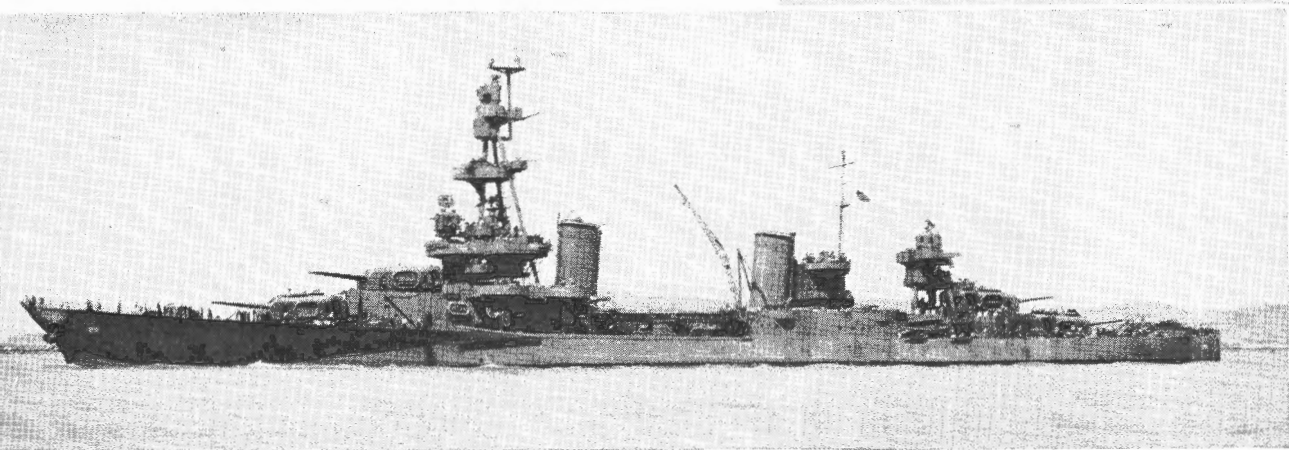
The first of our modern heavy cruisers, these ships were modified in the subsequent NORTHAMPTON-PORTLAND designs.

Observer's Note:

- 2-A-2 main battery disposition (triples over twins).
- Tall tripod foremast, pole mainmast, plus a tripod control tower aft.
- Two heavy, widely separated raking stacks.
- Flush hull, catapults amidships.



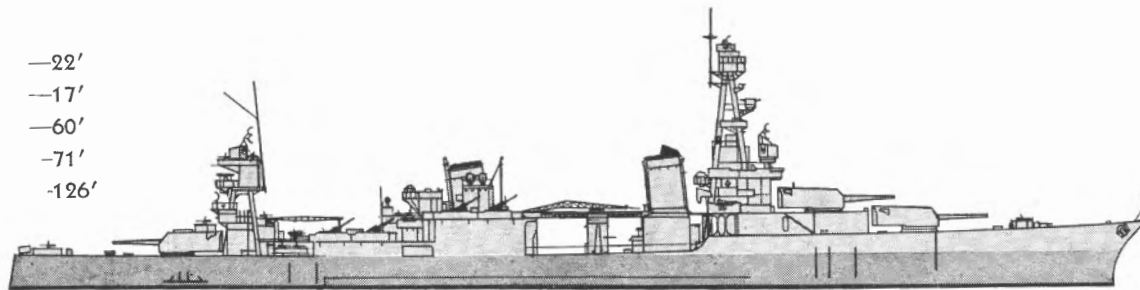
All photos are of SALT LAKE CITY, 5-10-43.



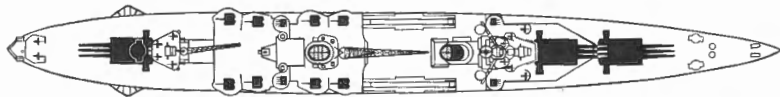
ONI 54-R • RESTRICTED

Supplement 4—8-4-43

Bow —22'
Stern —17'
Bridge —60'
Stack —71'
Mast —126'



Length o. a.—600'



NORTHAMPTON Class—CA 27, 28, 31

Division of Naval Intelligence—Identification and Characteristics Section

Ships in Class:

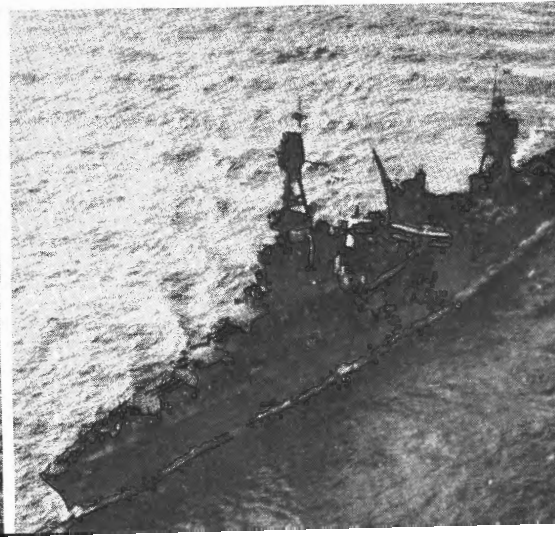
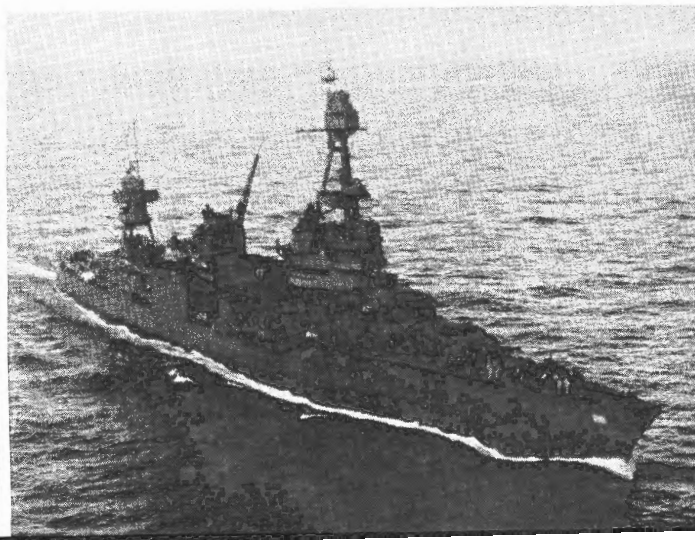
CHESTER —CA 27
LOUISVILLE—CA 28
AUGUSTA —CA 31

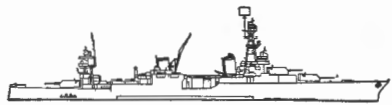
Completed in 1930-31, these cruisers were all fitted as Flagships. Ships are of the same basic design as the PENSACOLA and PORTLAND Classes.

Observer's Note:

- Cruiser hull, deck line broken at catapult in AUGUSTA, at foremast in other units.
- Tall tripod foremast, heavy tripod mainmast.
- Two short, raking, combined stacks.

▼ LOUISVILLE, 11-42.



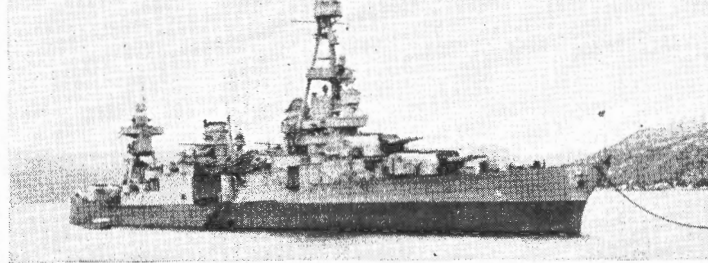


Classed separately, the AUGUSTA varies from the NORTHAMPTON in position of hull break and minor superstructure details.

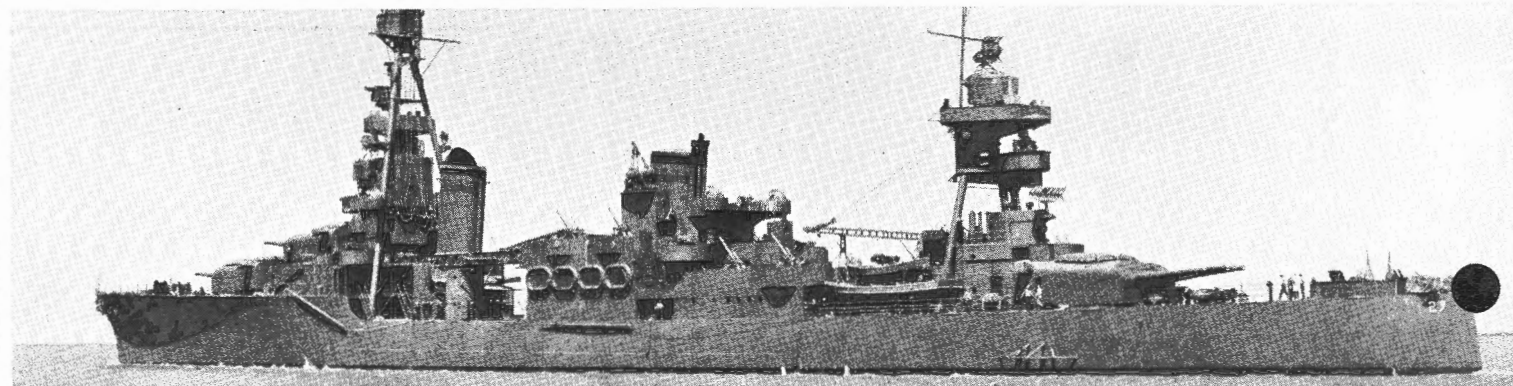
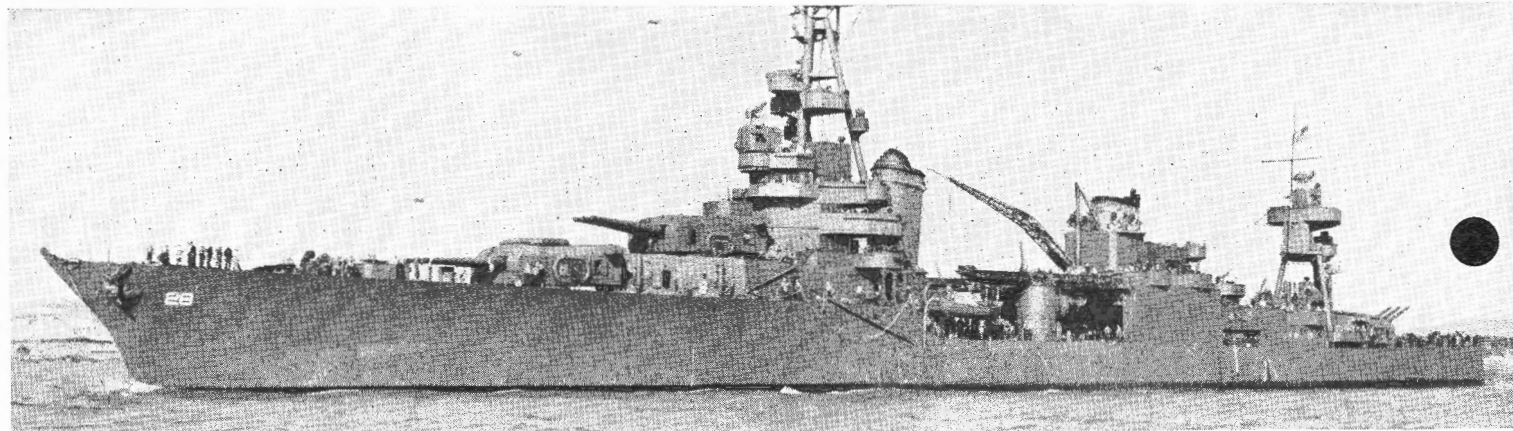
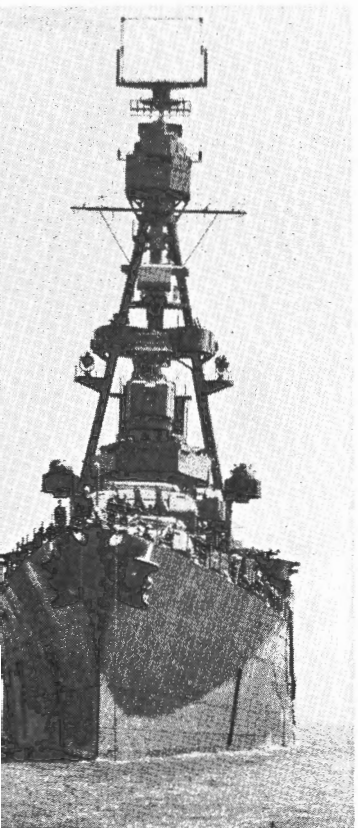
▼ CHESTER, 8-42



▲ AUGUSTA, 5-43 ▲



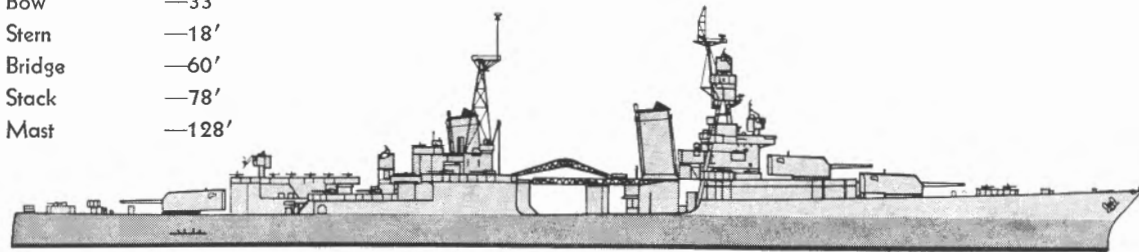
CA 28, 11-42 CA 27, 8-42 ▼



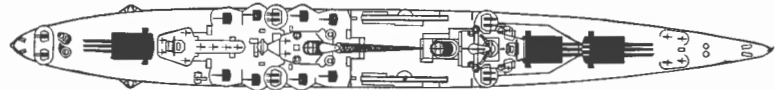
ONI 54-R • RESTRICTED

Supplement 4—8-4-43

Bow —33'
Stern —18'
Bridge —60'
Stack —78'
Mast —128'



Length o. a.—610'



PORTLAND Class—CA 33, 35

Division of Naval Intelligence—Identification and Characteristics Section

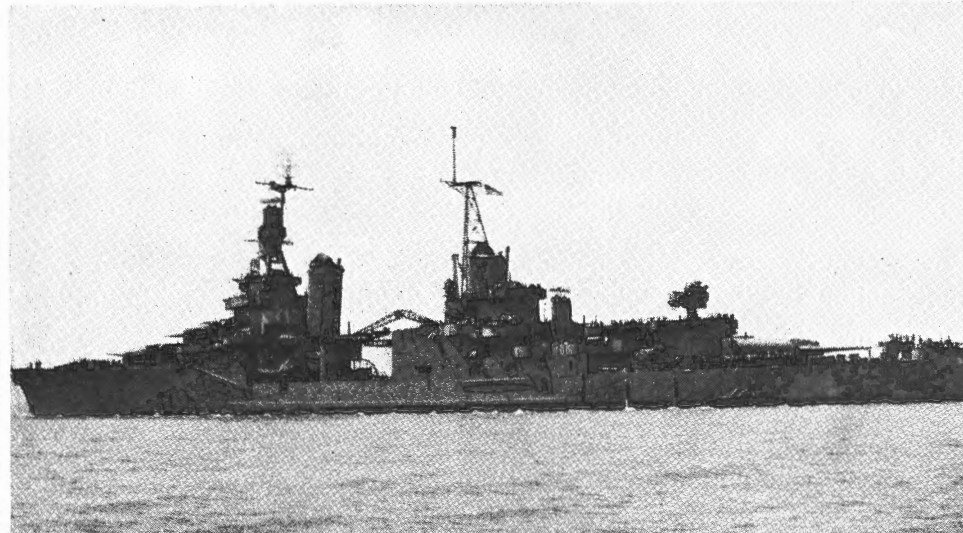
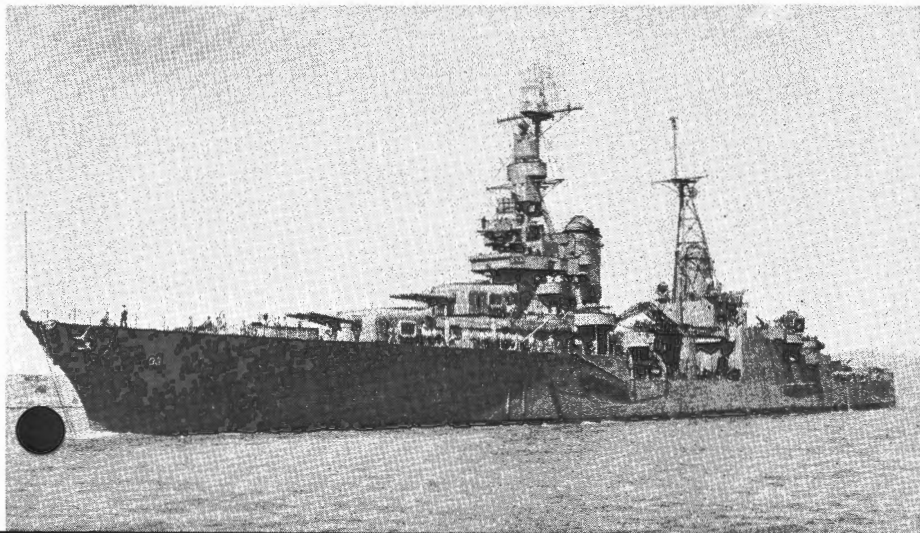
Ships in Class:

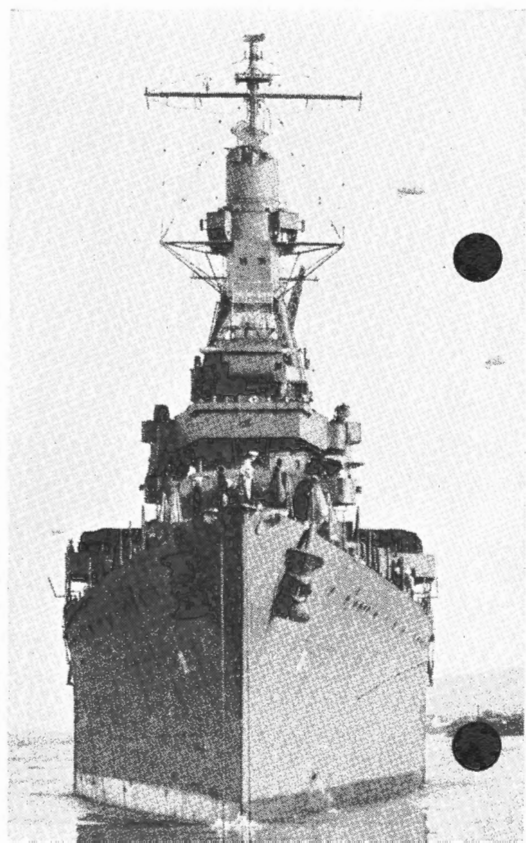
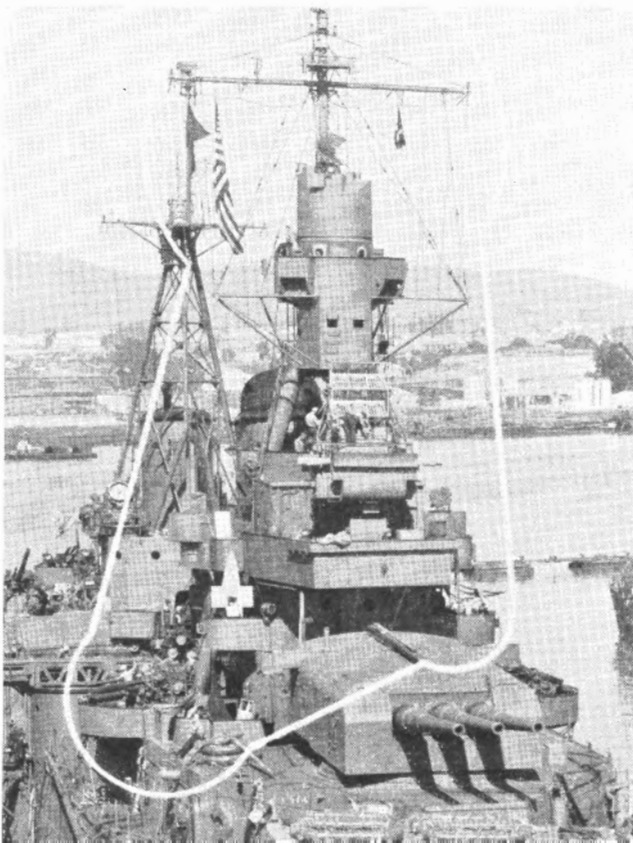
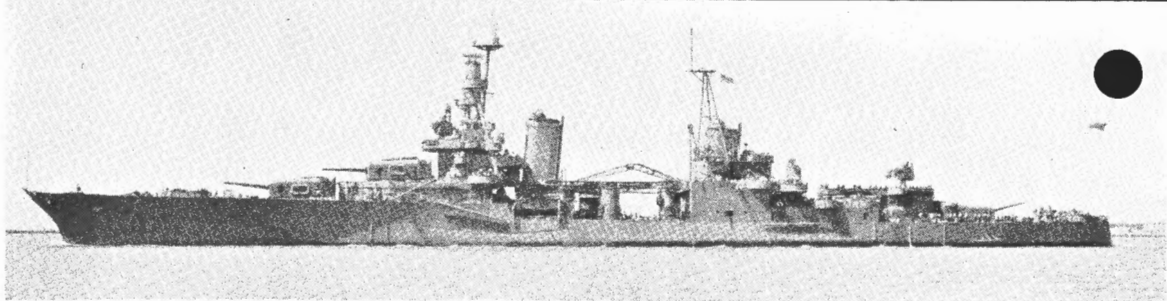
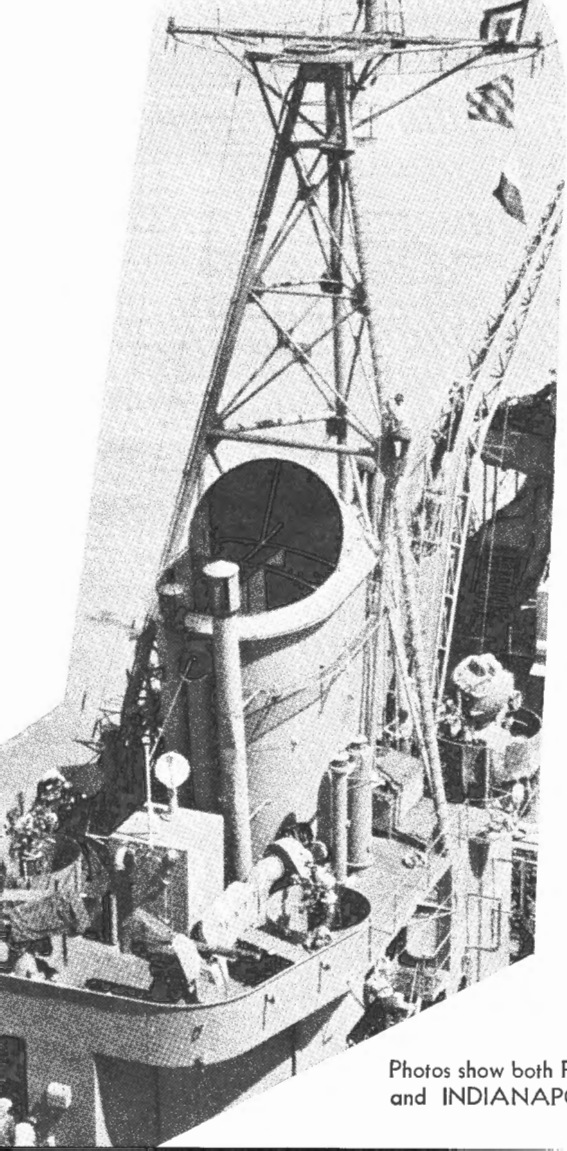
PORTLAND —CA 33
INDIANAPOLIS—CA 35

Improved NORTHAMPTON's, these two units were the last of the Washington Treaty group completed from 1929–1932. Both have had the light tripod mainmast moved forward.

Observer's Note:

- Cruiser hull, deck line broken amidships.
- Two raked, flat sided stacks, separated by catapult well deck.
- Heavy, low tripod foremast, light tripod mainmast at No. 2 stack.



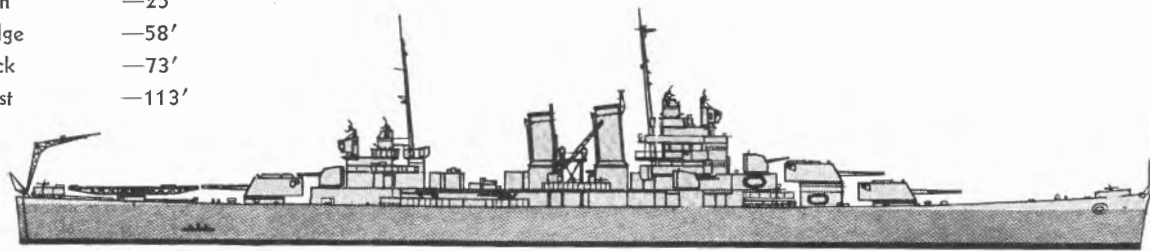


Photos show both PORTLAND
and INDIANAPOLIS, 5-43.

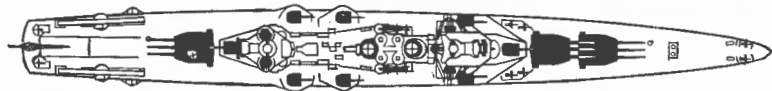
ONI 54-R • RESTRICTED

Supplement 4—8-4-43

Bow	—30'
Stern	—25'
Bridge	—58'
Stack	—73'
Mast	—113'



Length o. a.—608'



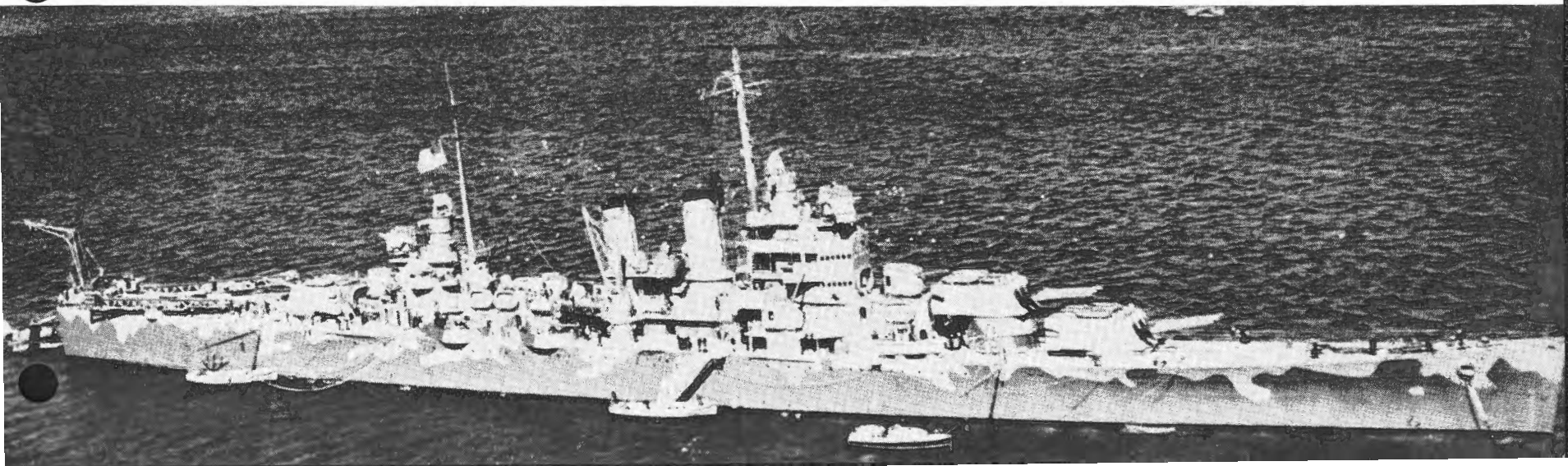
WICHITA—CA 45

Division of Naval Intelligence—Identification and Characteristics Section

The last CA built under the London Treaty (1939), the WICHITA is an 8" gun version of the BROOKLYN Class.

Observer's Note:

- Flush hull, wide transom stern.
- Two closely spaced, raking stacks, pole masts.
- 2-A-1 main battery arrangement; note superimposed secondaries.

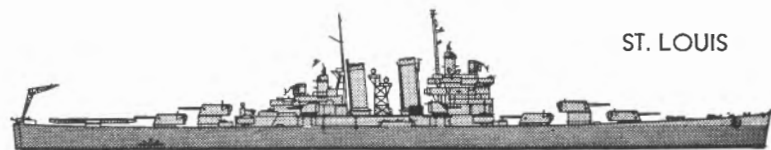




ONI 54-R • RESTRICTED

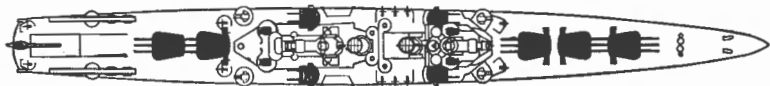
Supplement 4—8-4-43

Altered to CL's to conform with the London Naval Treaty, these ships were completed in 1939, with WICHITA being the only ship to be completed in accordance with original designs. BROOKLYN and PHOENIX classes identical in appearance, vary from the ST. LOUIS in after superstructure and mainmast location.



ST. LOUIS

Length o. a.—608'



Bow —28'
Stern —15'
Bridge—58'
Stack—67'
Mast—108'

BROOKLYN-PHOENIX Classes, ST. LOUIS—CL 40-49

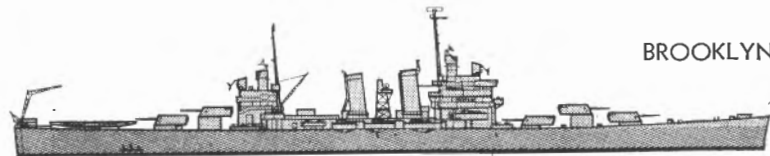
Division of Naval Intelligence—Identification and Characteristics Section

Observer's Note:

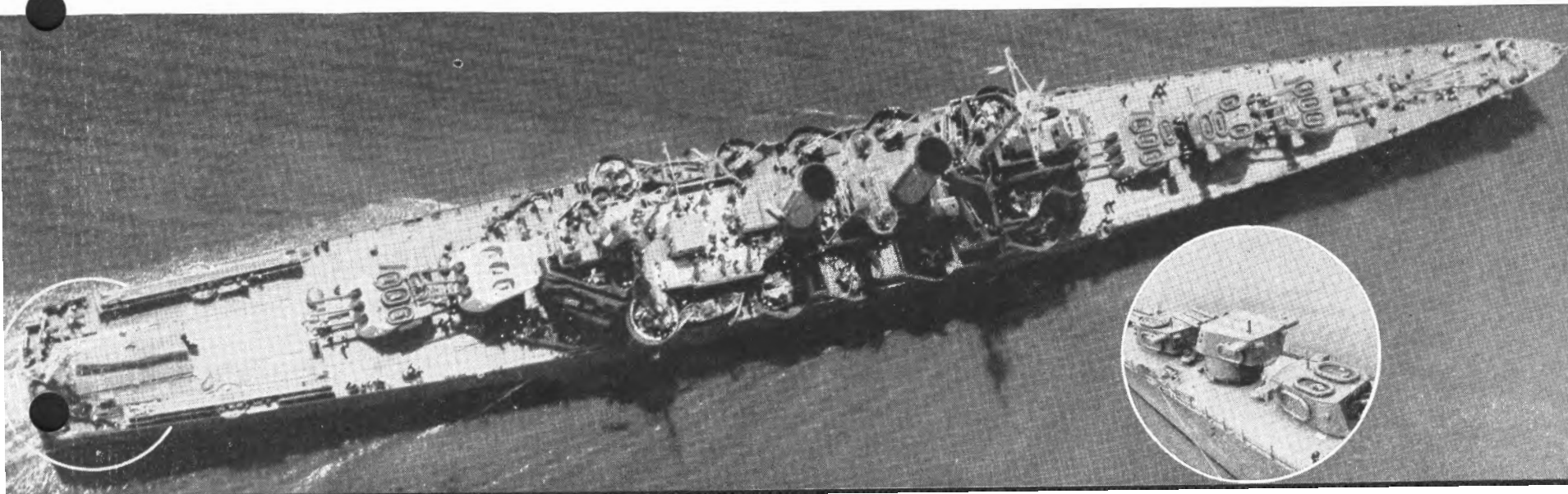
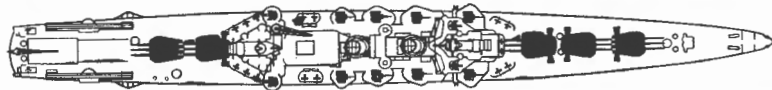
- Flush cruiser hull, wide transom stern.
- Two closely spaced, raking stacks.
- Low tower bridge and aft control.

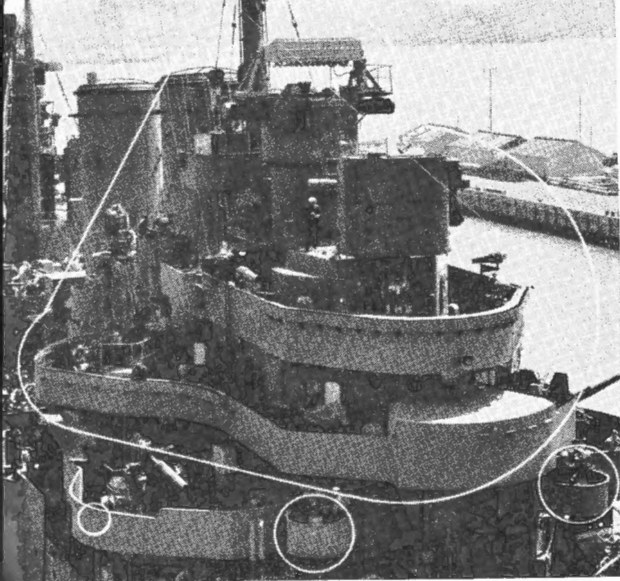
Ships in Classes:

BROOKLYN	—CL 40	PHOENIX	—CL 46
PHILADELPHIA	—CL 41	BOISE	—CL 47
SAVANNAH	—CL 42	HONOLULU	—CL 48
NASHVILLE	—CL 43	ST. LOUIS	—CL 49

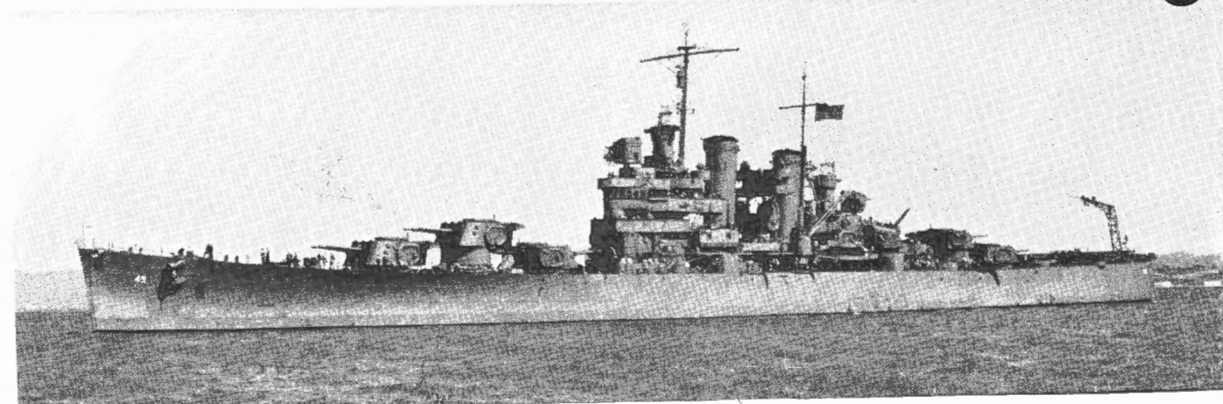
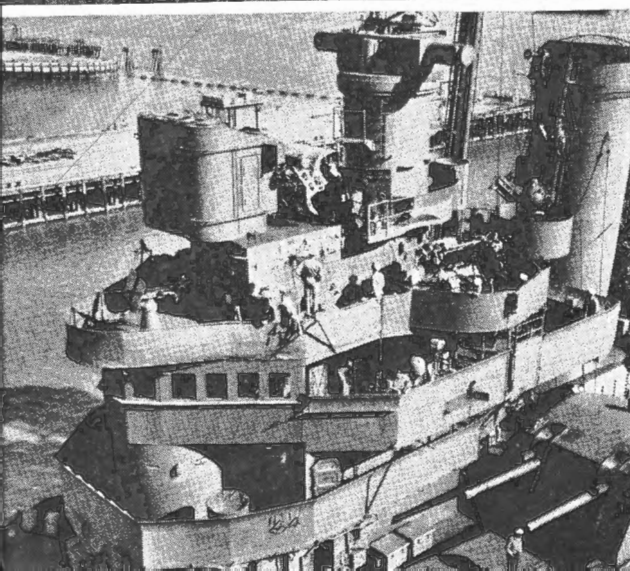
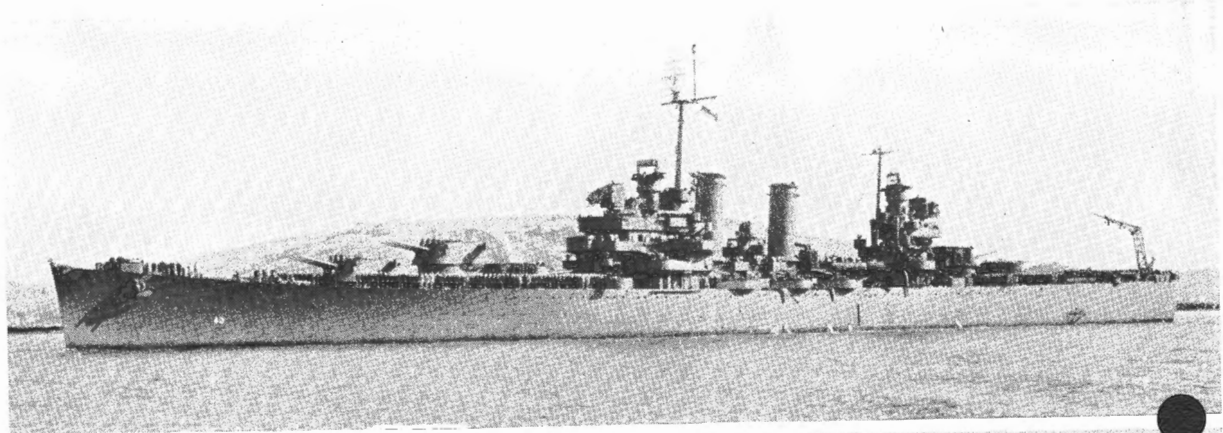


BROOKLYN

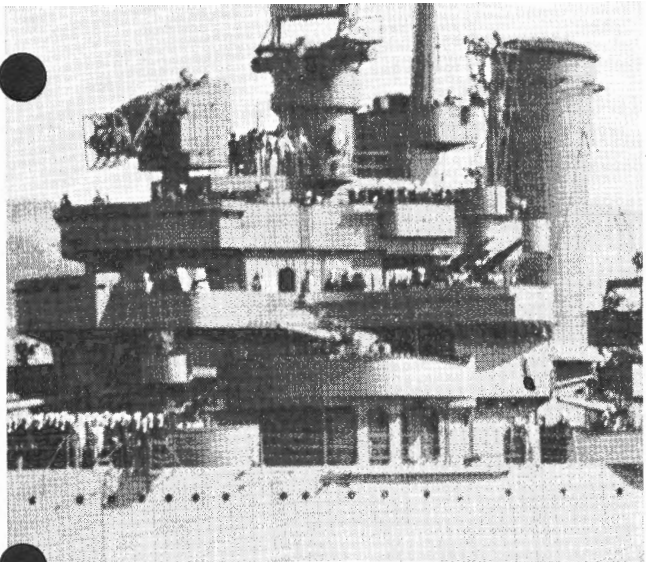




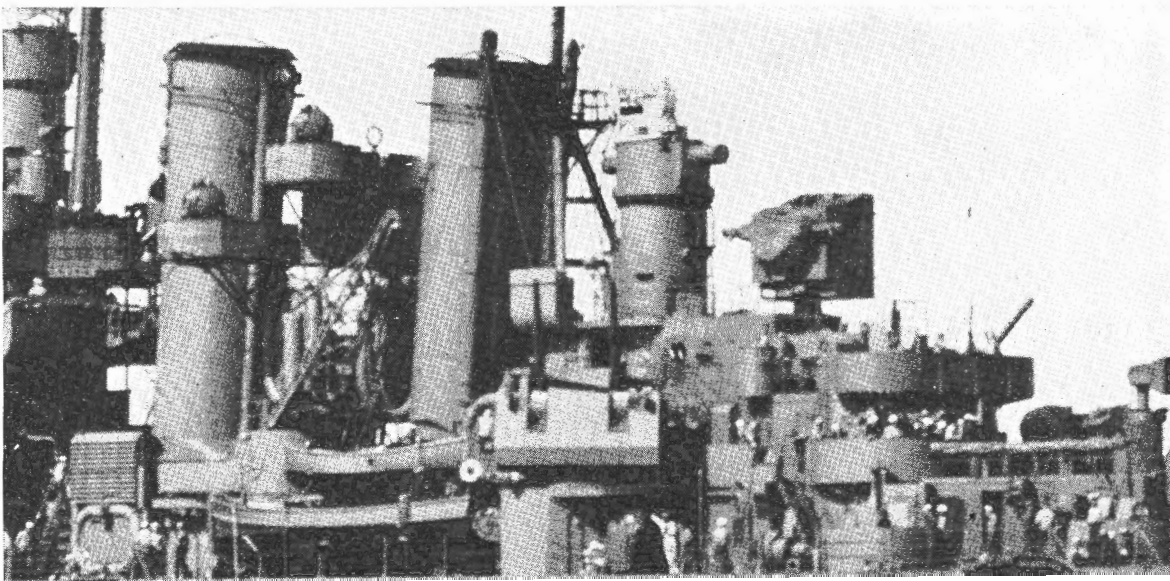
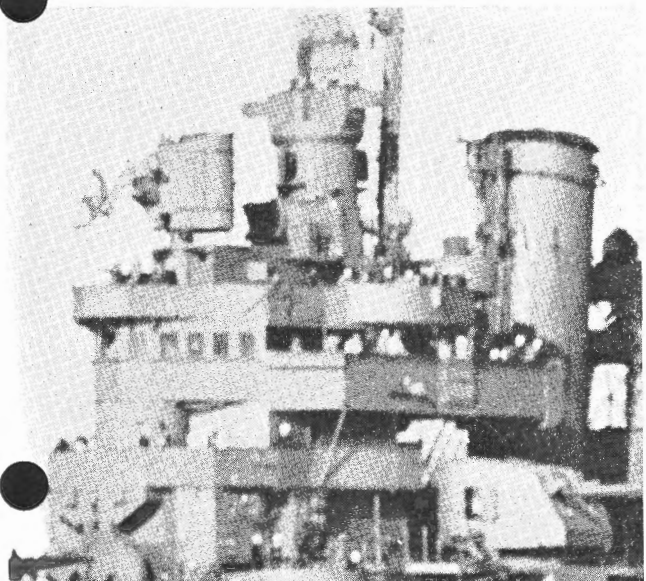
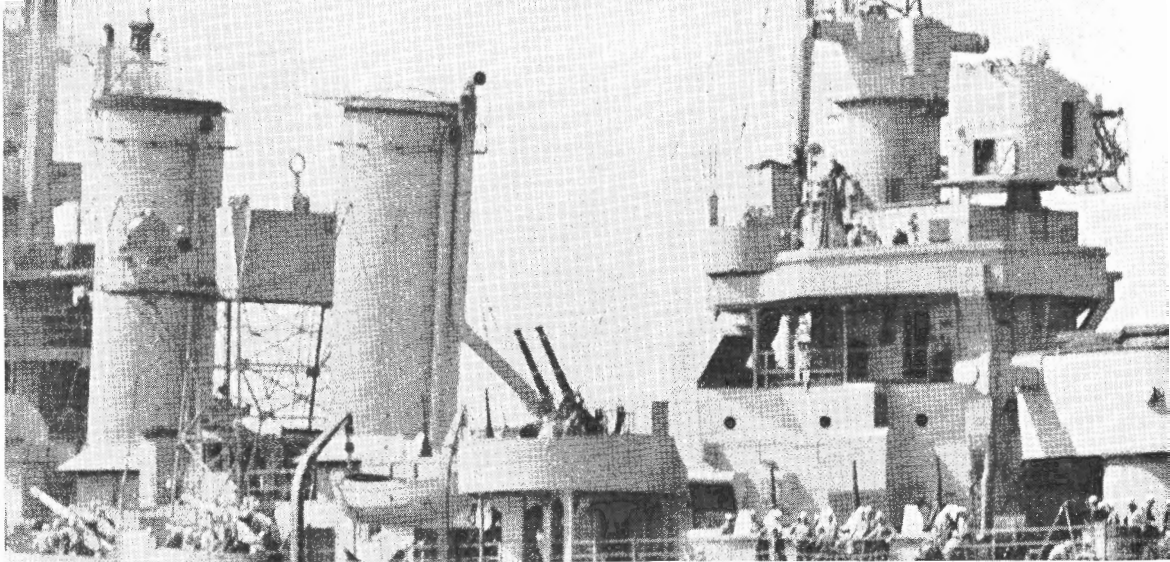
◀ NASHVILLE, 6-30-43 ▼

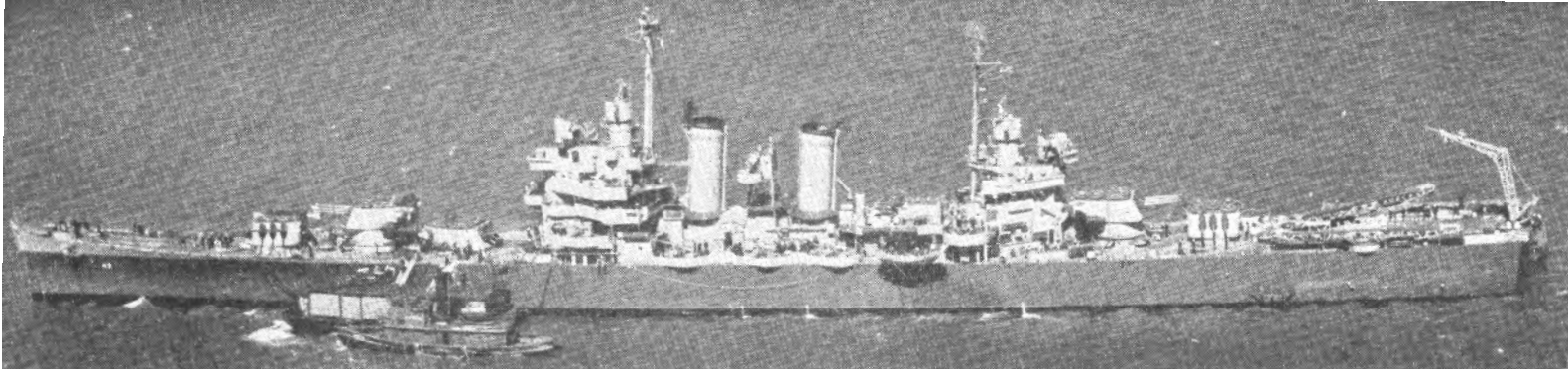


◀ ST. LOUIS, 3-6-42 ▶

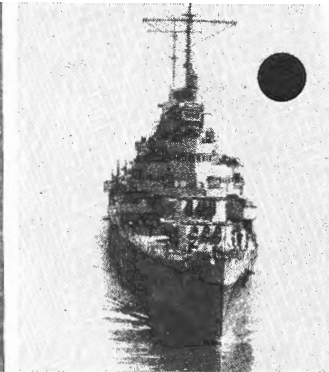


PHILADELPHIA ▼





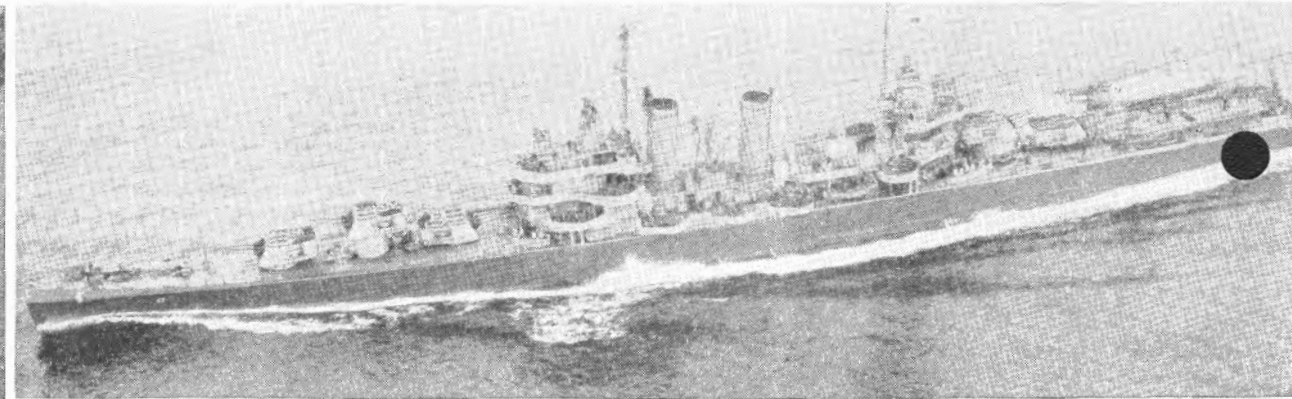
▲ SAVANNAH



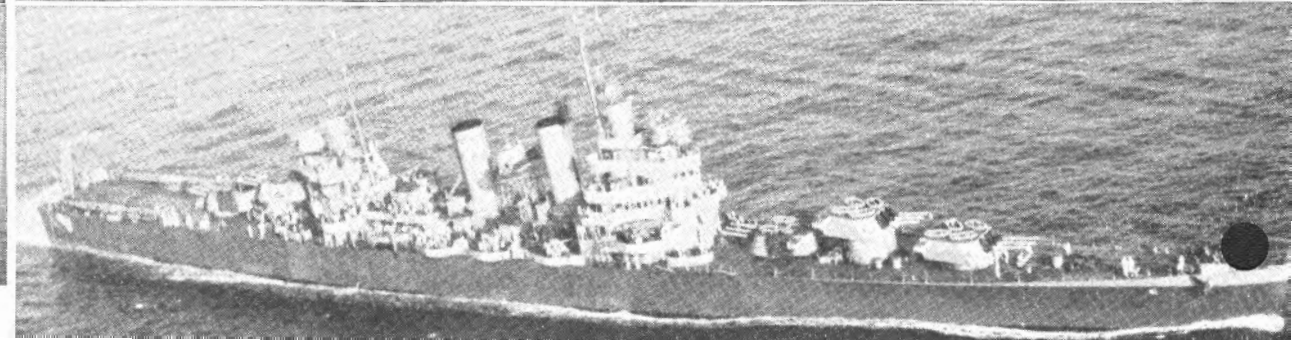
▲ BROOKLYN



▲ PHILADELPHIA



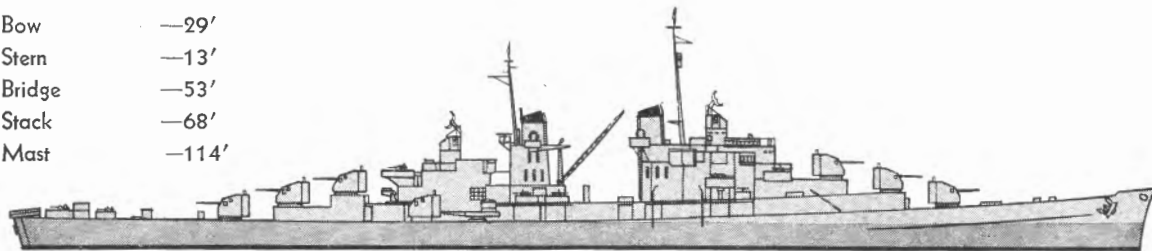
▼ BOISE



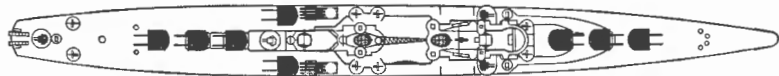
ONI 54-R • RESTRICTED

Supplement 4—8-4-43

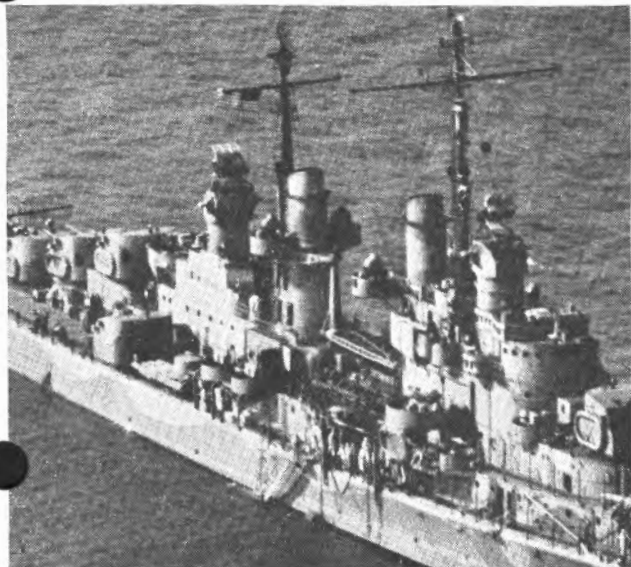
Bow —29'
Stern —13'
Bridge —53'
Stack —68'
Mast —114'



Length o. a.—541'



▼ SAN JUAN, 6-3-43.



ATLANTA, OAKLAND Classes—CL 53, 54, 95—

Division of Naval Intelligence—Identification and Characteristics Section

Ships in Class:

SAN DIEGO—CL 53

SAN JUAN—CL 54

OAKLAND—CL 95

Sister ships are building

Observer's Note:

—Flush hull with pronounced sheer forward.

—3-A-3 main battery arrangement.

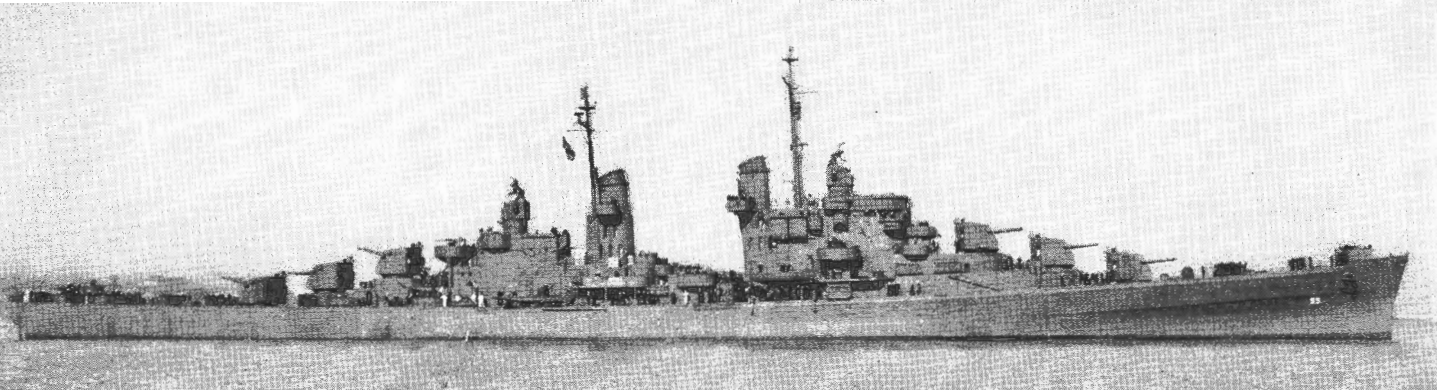
(Note: OAKLAND has no wing mounts.)

—Two thin stacks combined with superstructure.

—OAKLAND differs from ATLANTA in bridge details and minor armament variations.

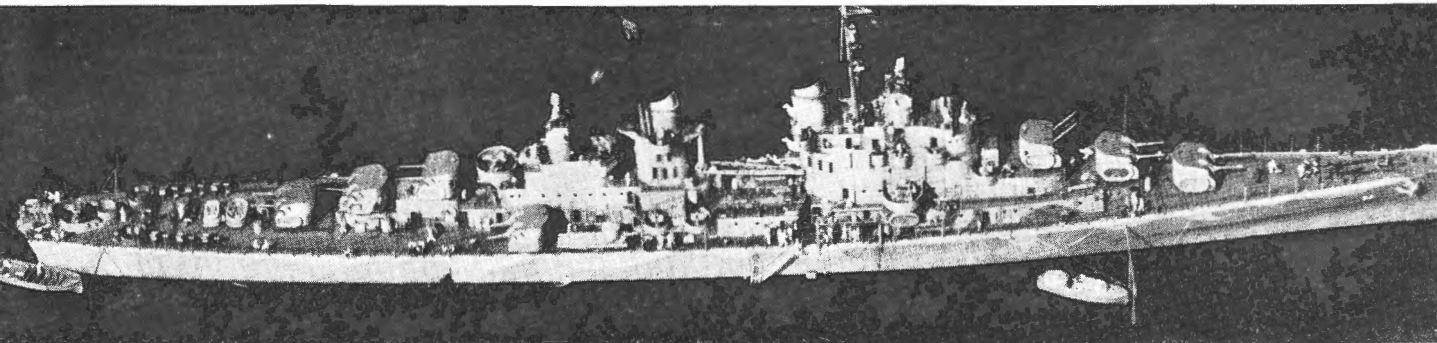
OAKLAND, 8-2-43. ▼



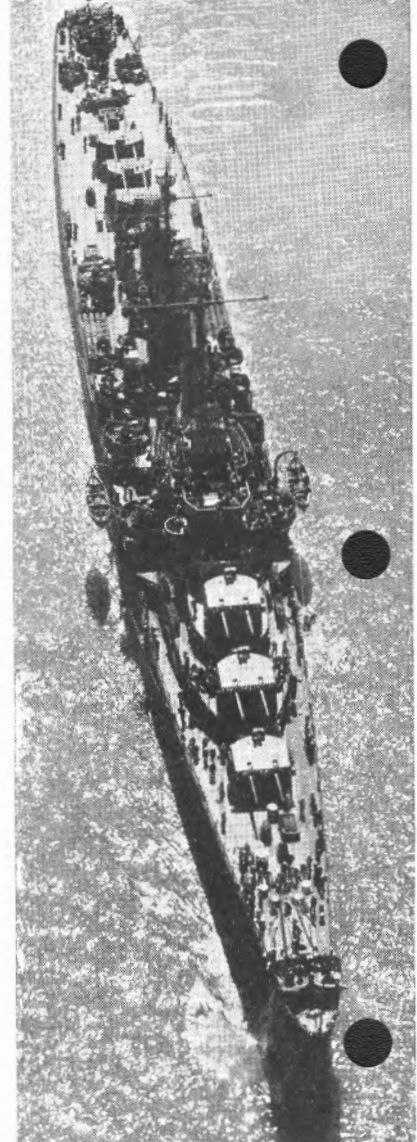
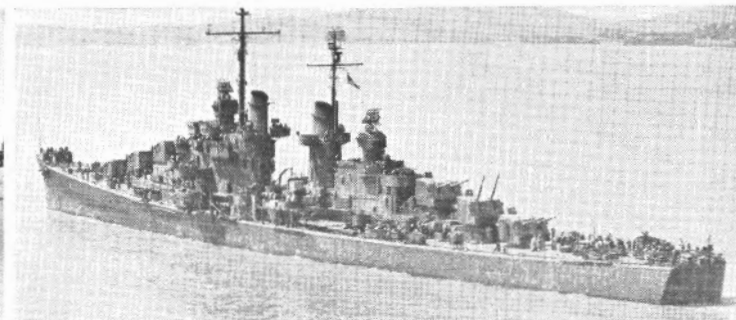
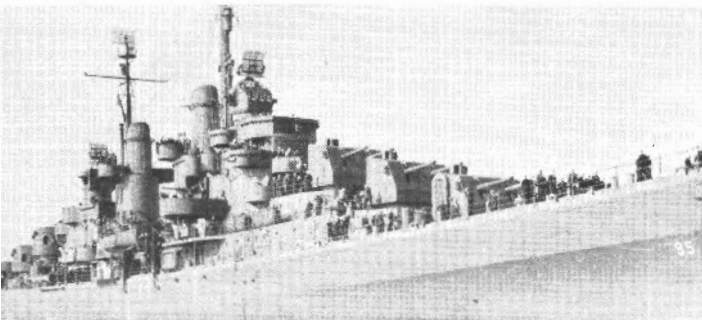


▼ SAN JUAN, 6-3-43.

▲ OAKLAND, 8-2-43. ►

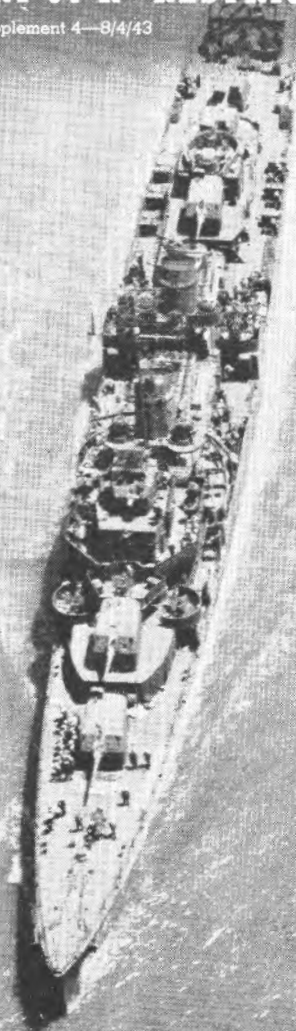


▼ OAKLAND, 8-2-43. ▼



ONI 54 R—RESTRICTED

Supplement 4—8/4/43



FLETCHER Class—DD

Division of Naval Intelligence—Identification
and Characteristics Section

Bow —19'
Stern —9'
Bridge—41'
Stack —47'
Mast —83'



Length o. a.—376'



A departure from previous designs, these destroyers follow closely the pattern found in our new BB's, CA's, and CL's. A variation occurs in those units equipped for handling aircraft.

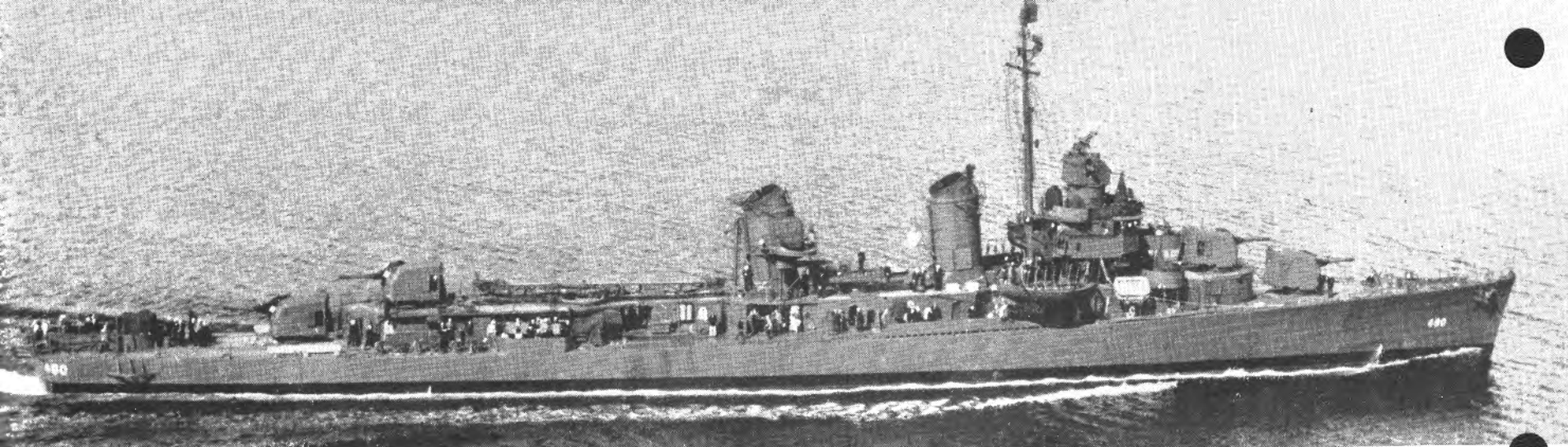
Observer's Note:

- Flush hull with pronounced bow sheer.
- Two broad, raking stacks.
- 2-A-1-A gunhouse disposition.

◀ TRATHEN, 6-42

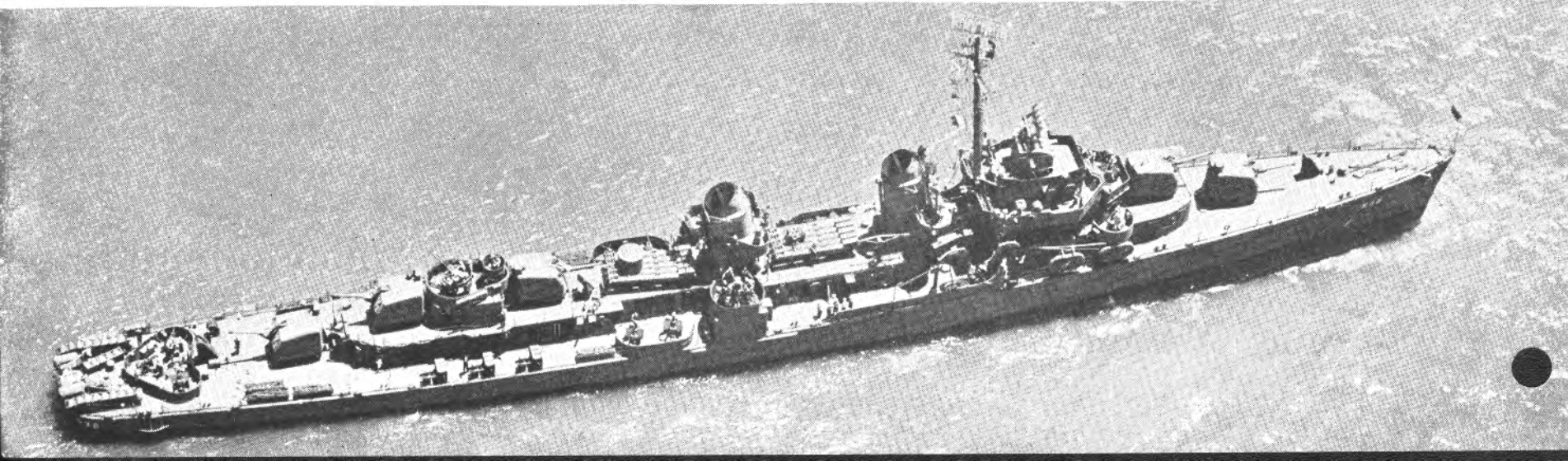
▼ BULLARD, 4-43

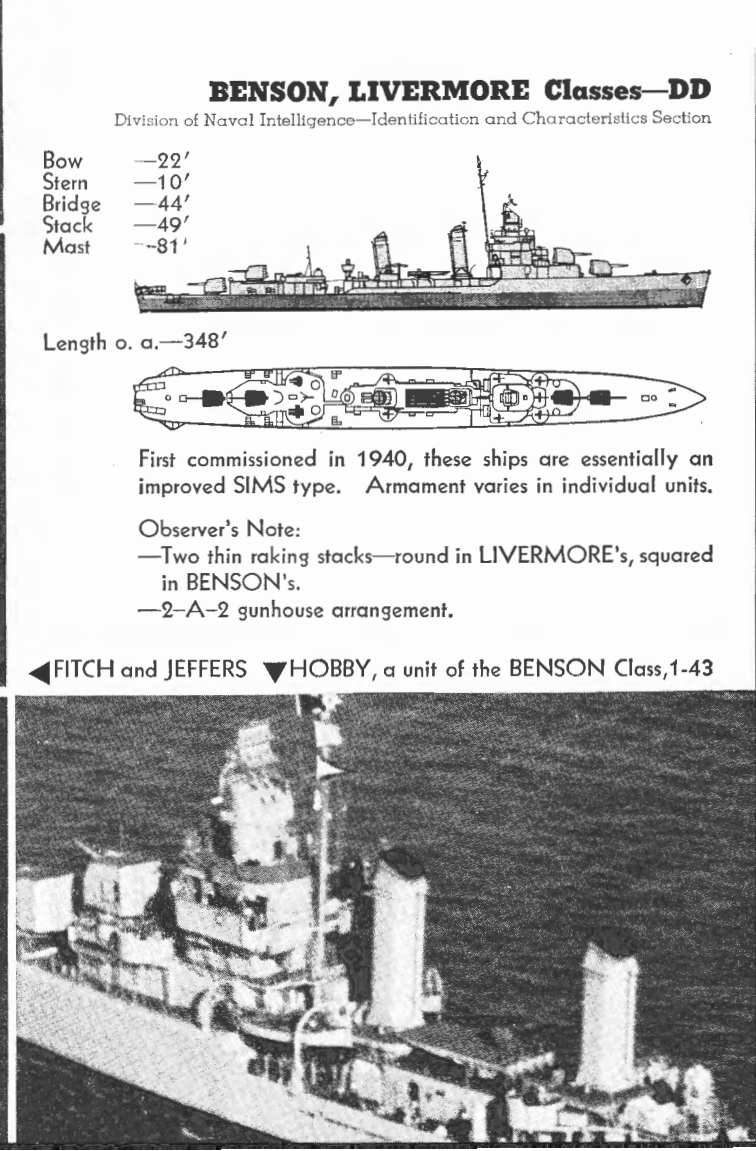
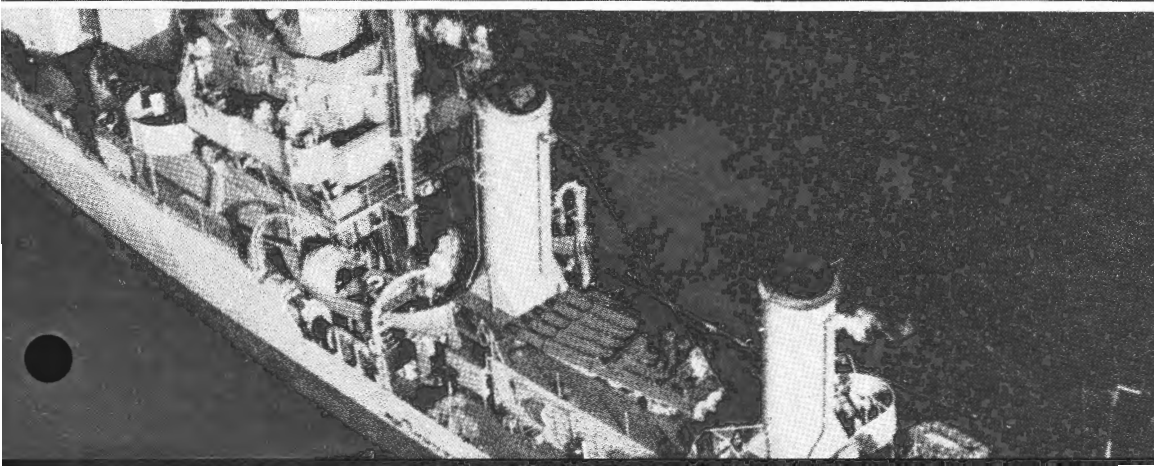
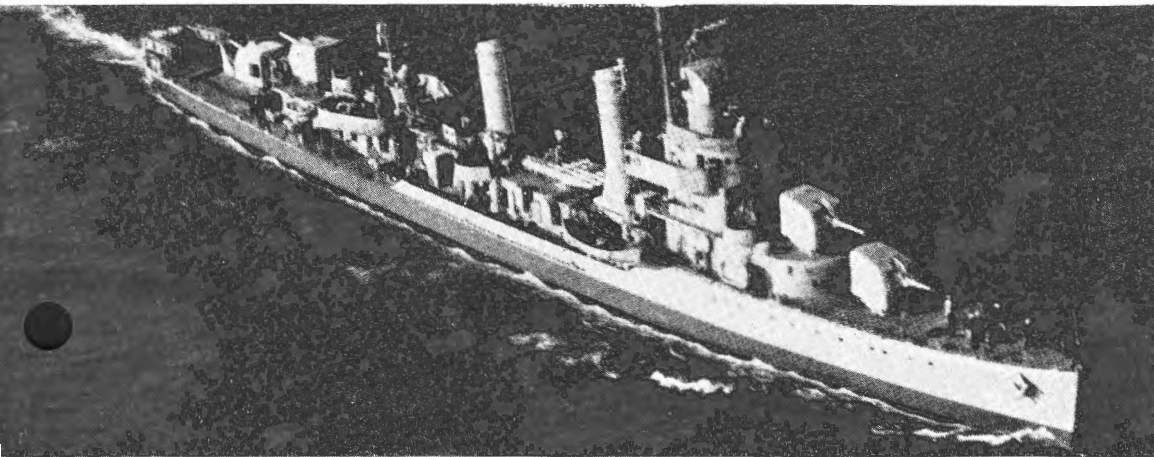
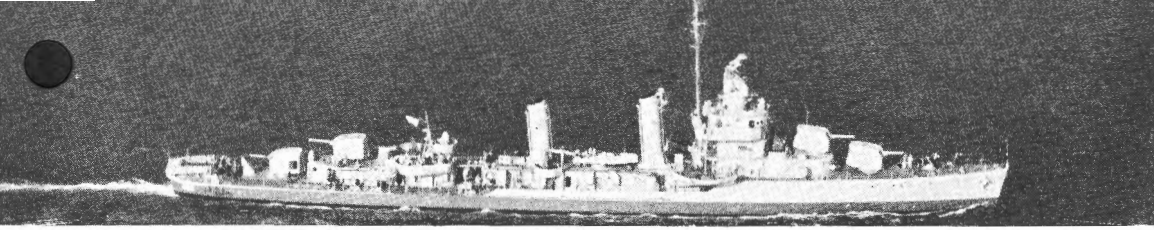




▲ USS HALFORD, shown with catapult variations, 4-43.

▼ Below the standard design is illustrated by the HEERMANN, 7-43.

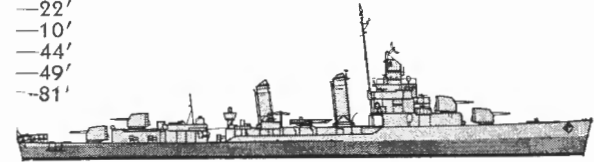




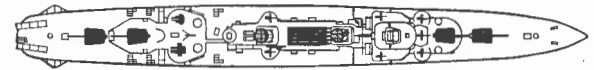
BENSON, LIVERMORE Classes—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow —22'
Stern —10'
Bridge —44'
Stack —49'
Mast —81'



Length o. a.—348'



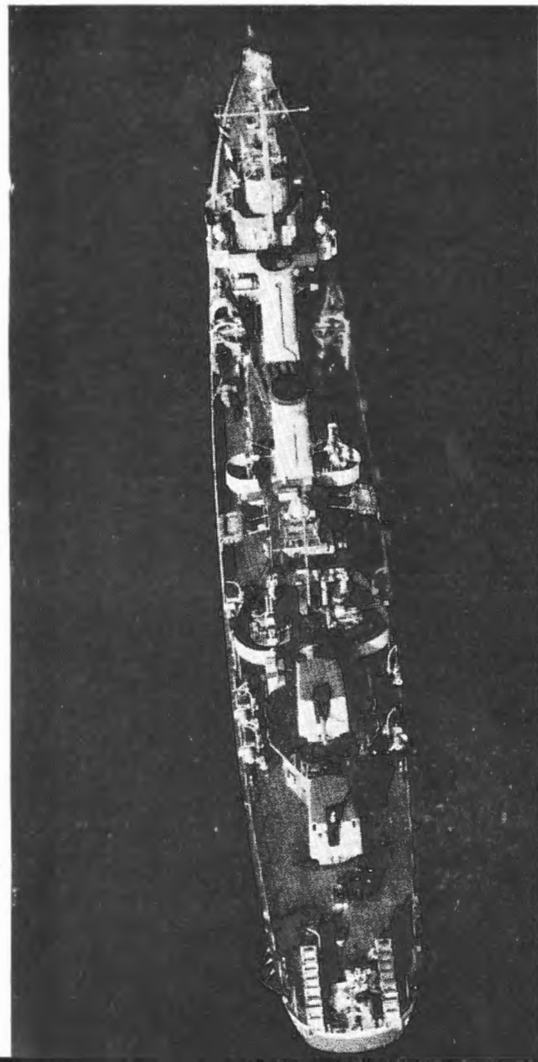
First commissioned in 1940, these ships are essentially an improved SIMS type. Armament varies in individual units.

Observer's Note:

- Two thin raking stacks—round in LIVERMORE's, squared in BENSON's.
- 2-A-2 gunhouse arrangement.

◀ FITCH and JEFFERS ▼ HOBBY, a unit of the BENSON Class, 1-43

▼ JEFFERS, LIVERMORE Class, 1-43



▼ KENDRICK, BENSON Class, 1-43

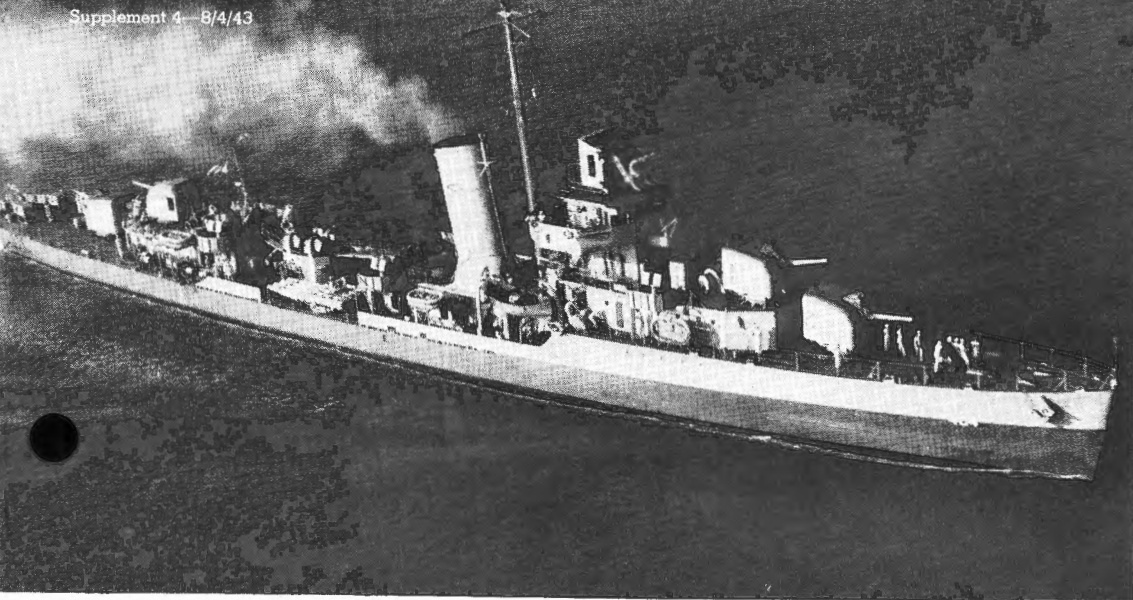


Supplement 4—8-4-43

ONI 54-R • RESTRICTED

ONI 54 R—RESTRICTED

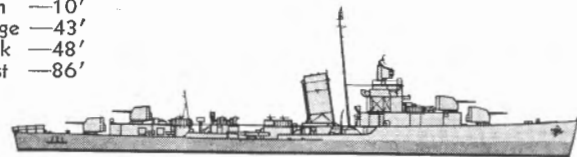
Supplement 4—8/4/43



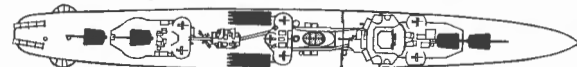
BENHAM Class—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow —22'
Stern —10'
Bridge —43'
Stack —48'
Mast —86'



Length o. a.—341'



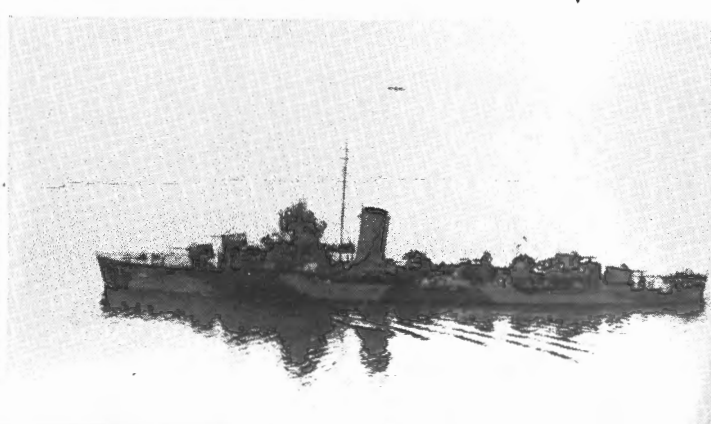
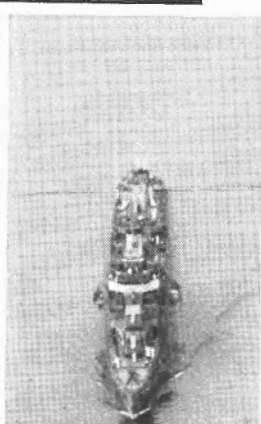
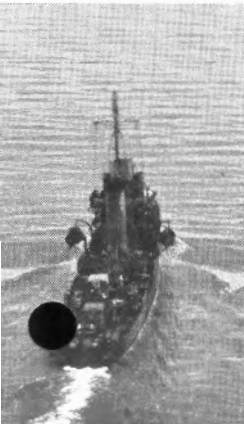
An improved MAHAN design, these units are very similar to SIMS Class ships. Both classes were completed 1939-40.

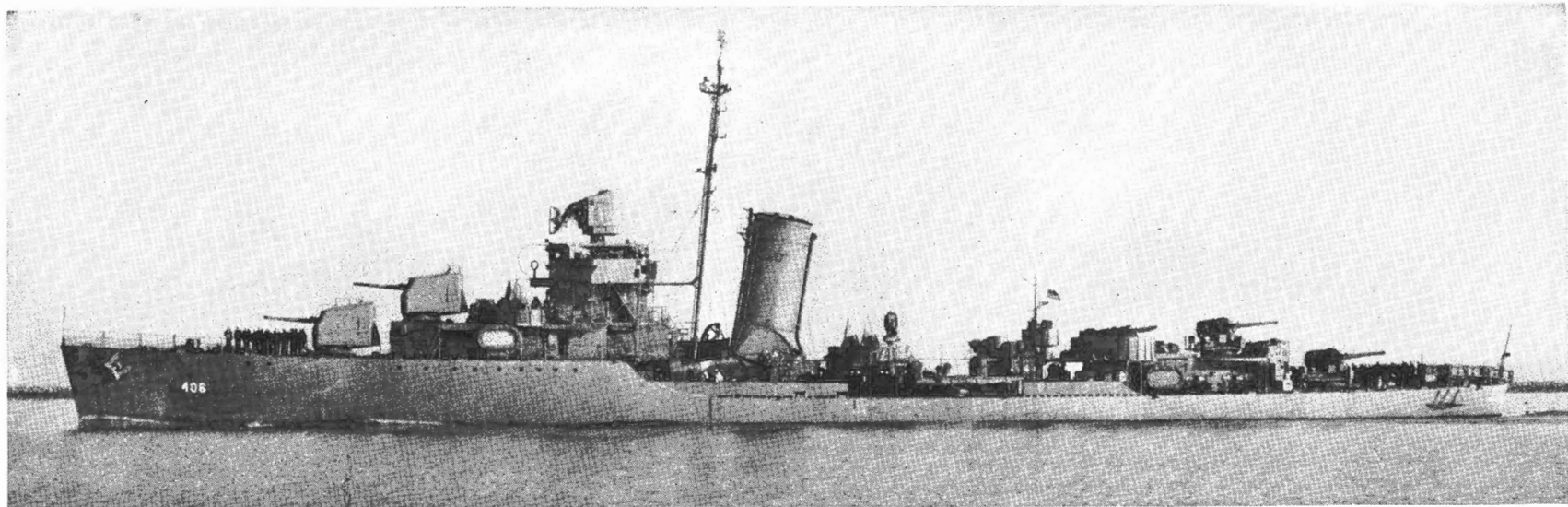
Observer's Note:

- Large single trunked stack (no stack cap).
- Amidships quadruple torpedo mount differentiate these ships from SIMS, GRIDLEY, BAGLEY Classes.

◀ RHIND, 9-17-42.

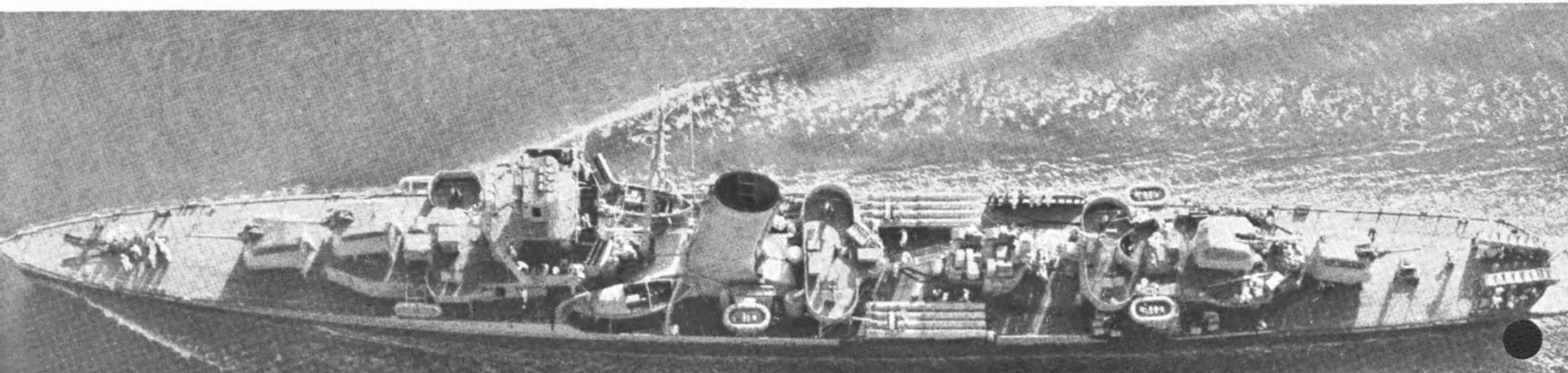
USS TRIPPE, 6-2-42. ▼





▲ STACK, 8-6-42.

▼ RHIND, 9-17-42.



ONI 54 R—RESTRICTED

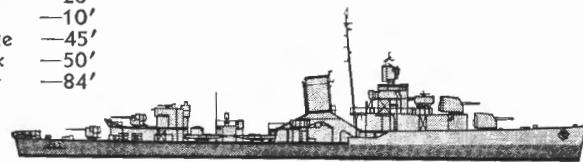
Supplement 4—8/4/43



BAGLEY Class—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow —20'
Stern —10'
Bridge —45'
Stack —50'
Mast —84'



Length o. a. —341

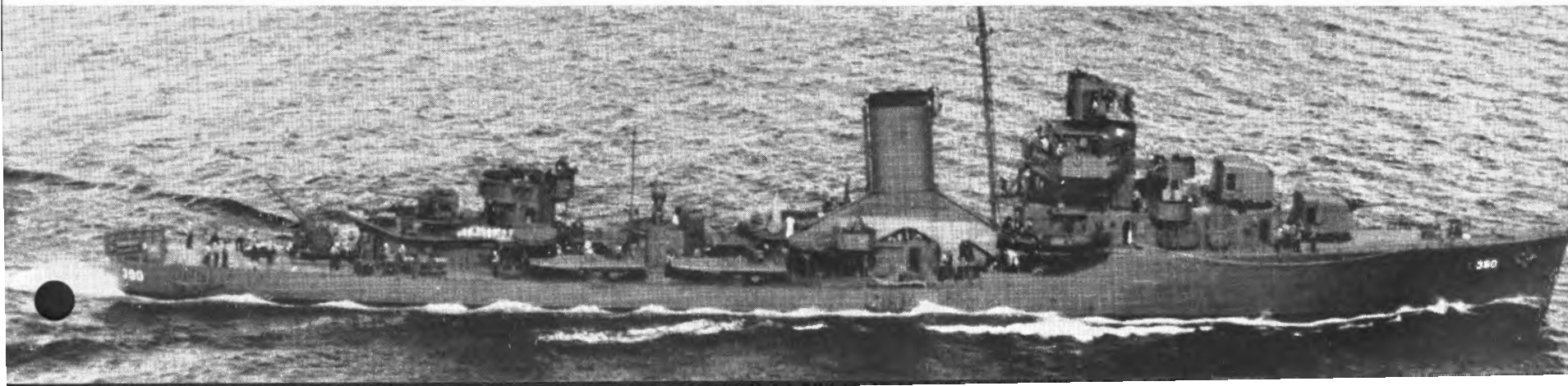


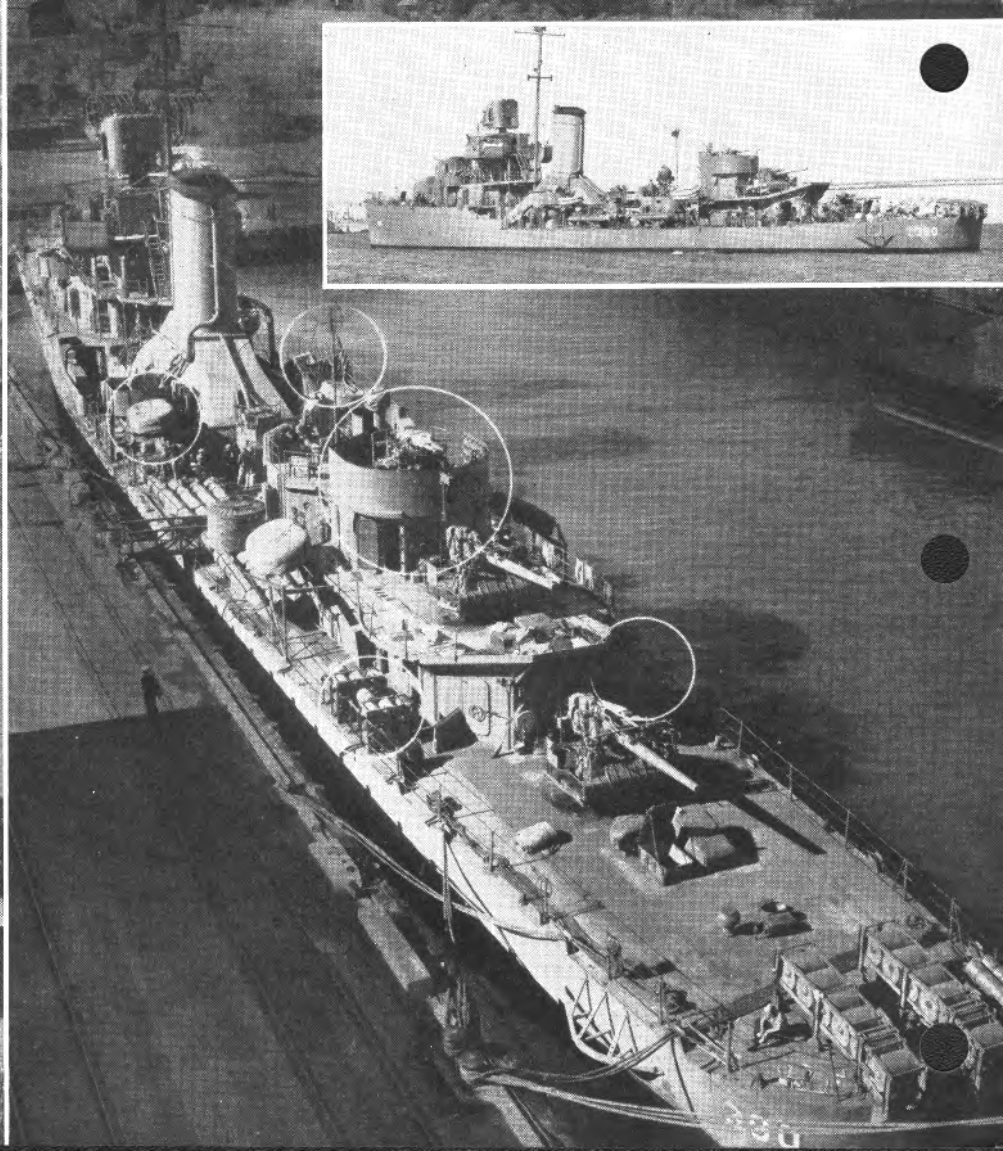
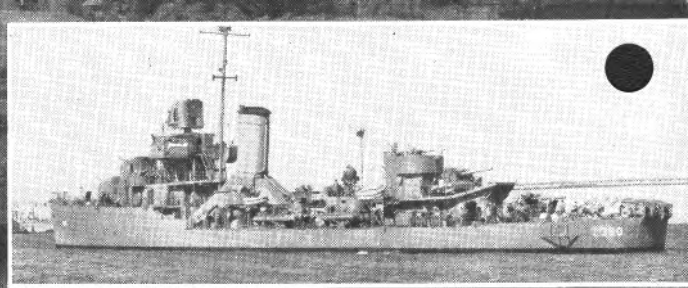
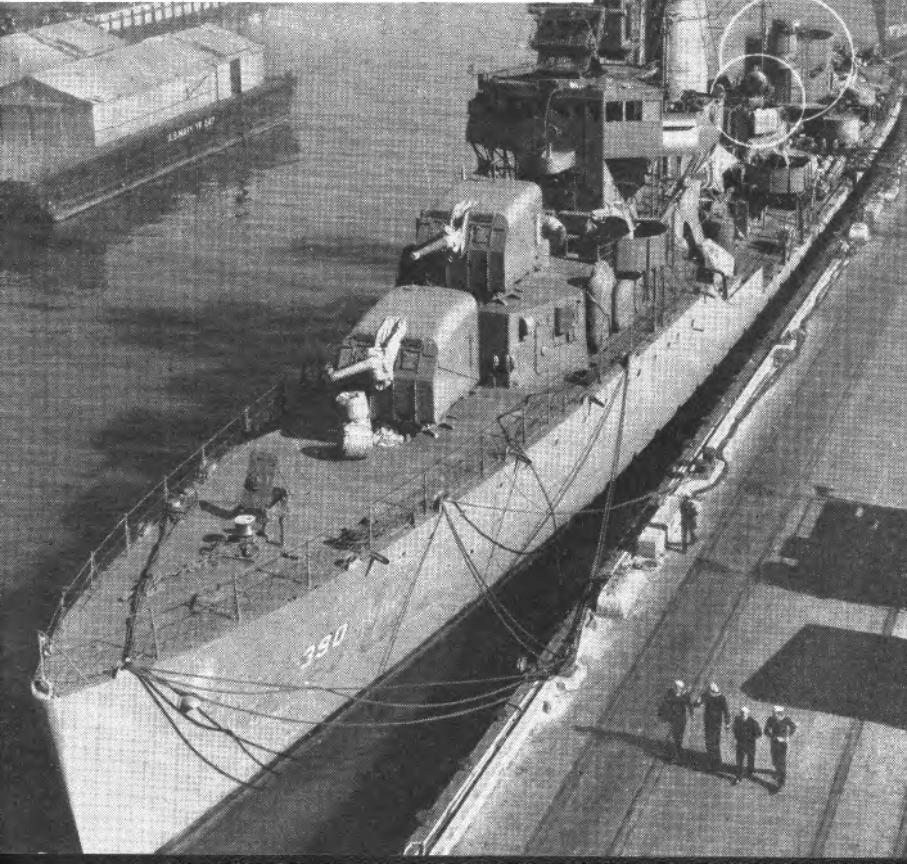
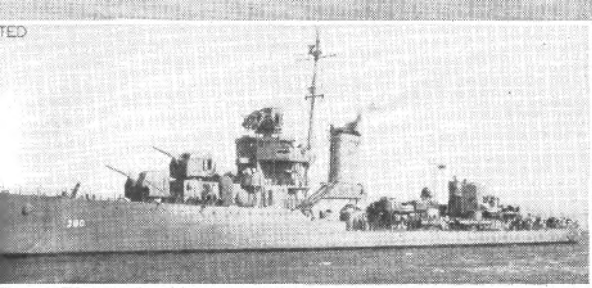
Like the GRIDLEY's, with which they are often classed, these ships are a development of the MAHAN design. They are the heaviest armed ships in torpedo battery.

Observer's Note:

- Widely split trunked stack and paired quadruple torpedo tubes differentiate these ships from the GRIDLEY, BENHAM-SIMS Classes.
- 2—A—2 gun arrangement—shields forward, open mounts aft.

▼ RALPH TALBOT, 12-42.





ONI 54 R—RESTRICTED

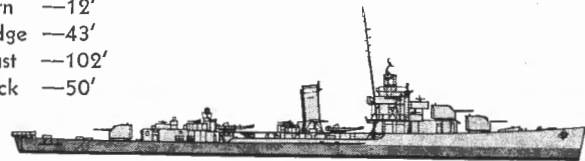
Supplement 4—8/4/43



SOMERS Class—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow —26'
Stern —12'
Bridge —43'
Mast —102'
Stack —50'



Length o. a.—381'

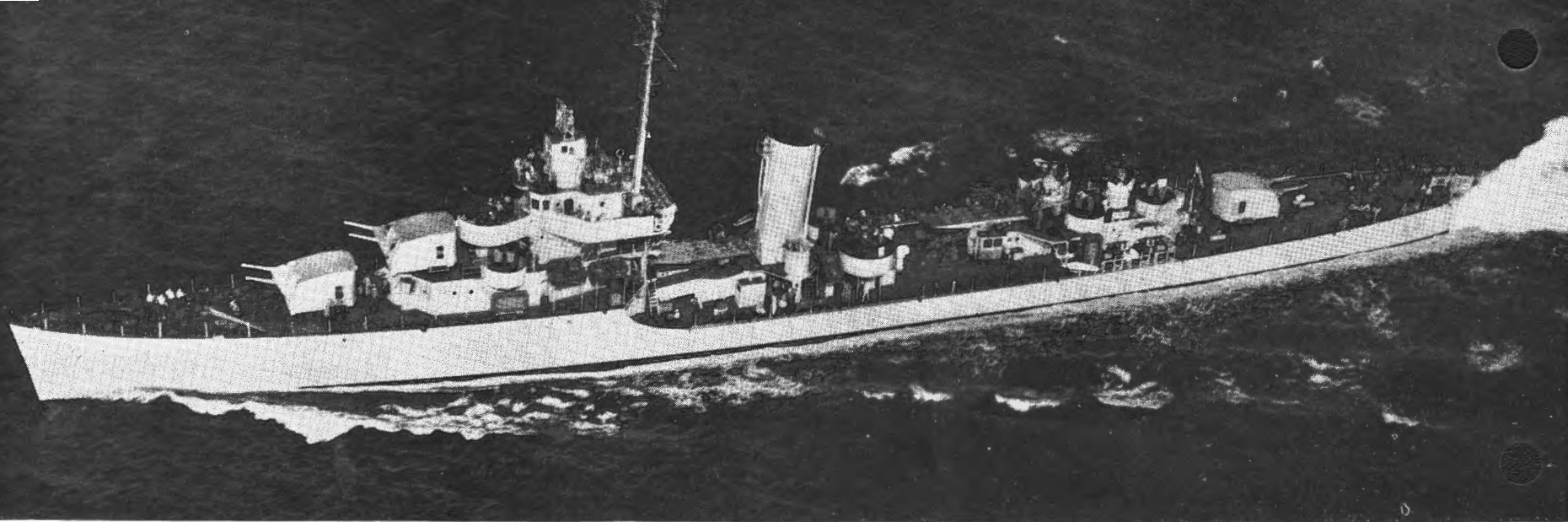


Completed in 1938-39, these ships were designed as improved PORTER's. As in other classes, they have recently undergone considerable armament changes.

Observer's Note:

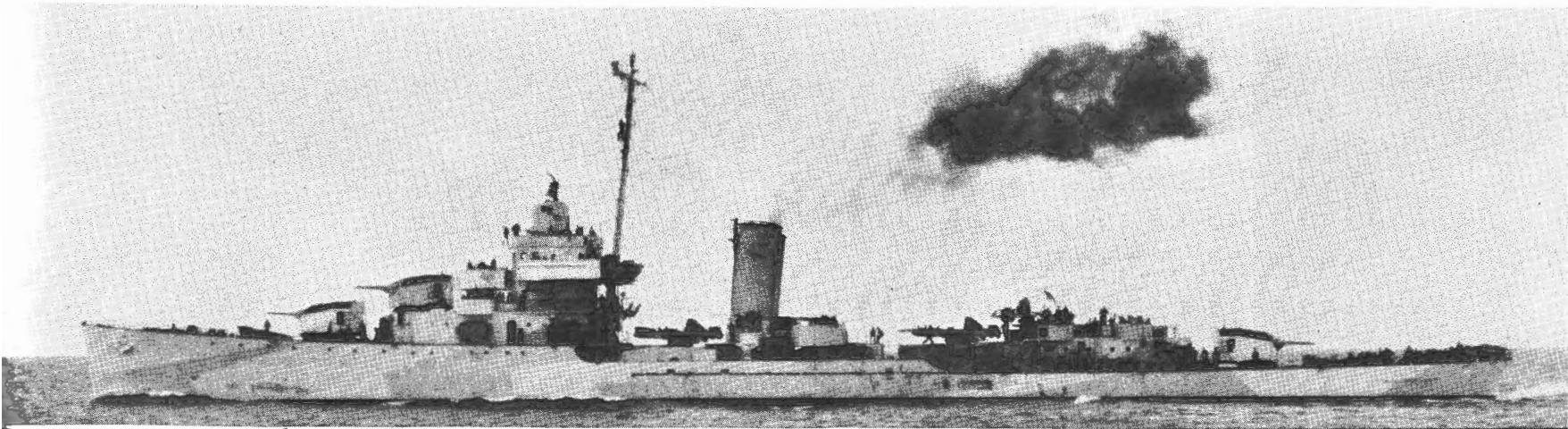
- Distinctive tall, raking, single-pipe stack.
- 2-A-1 gunhouse arrangement (twins).





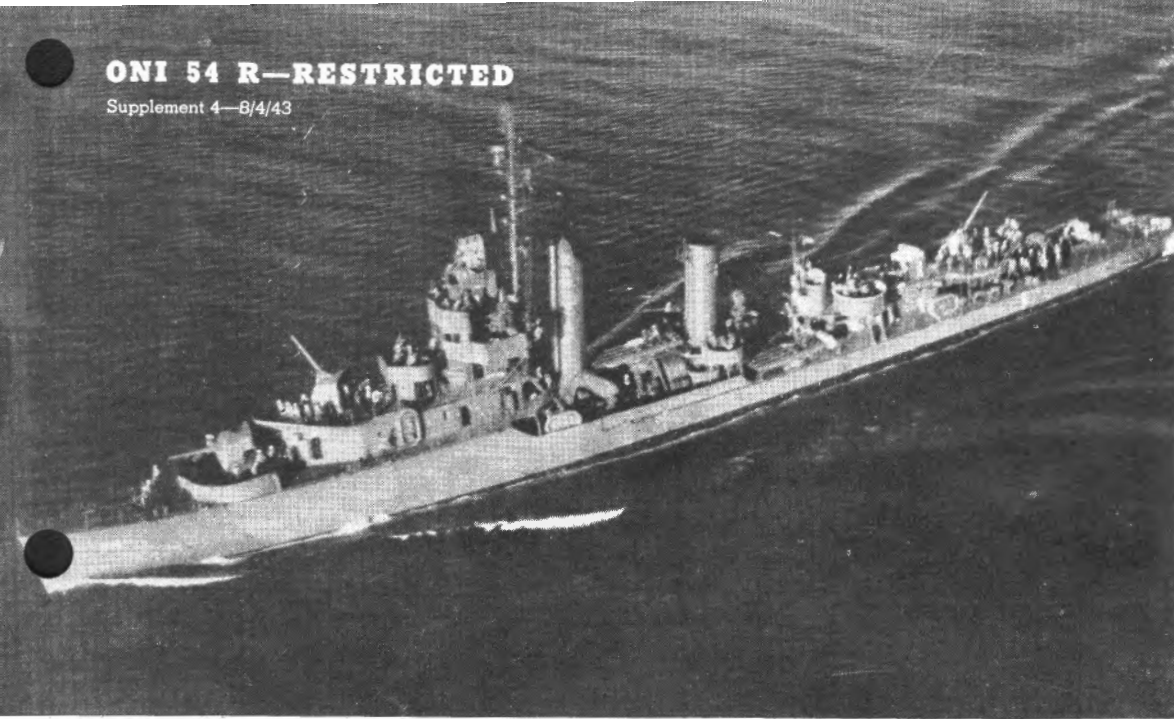
Below and on front is illustrated the WARRINGTON, 4-23-43.

▲ SAMPSON, 3-14-43.



ONI 54 R—RESTRICTED

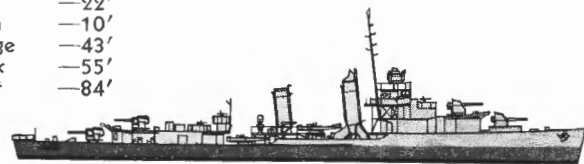
Supplement 4—8/4/43



MAHAN-DUNLAP Classes—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow	—22'
Stern	—10'
Bridge	—43'
Stack	—55'
Mast	—84'



Length o. a.—341'



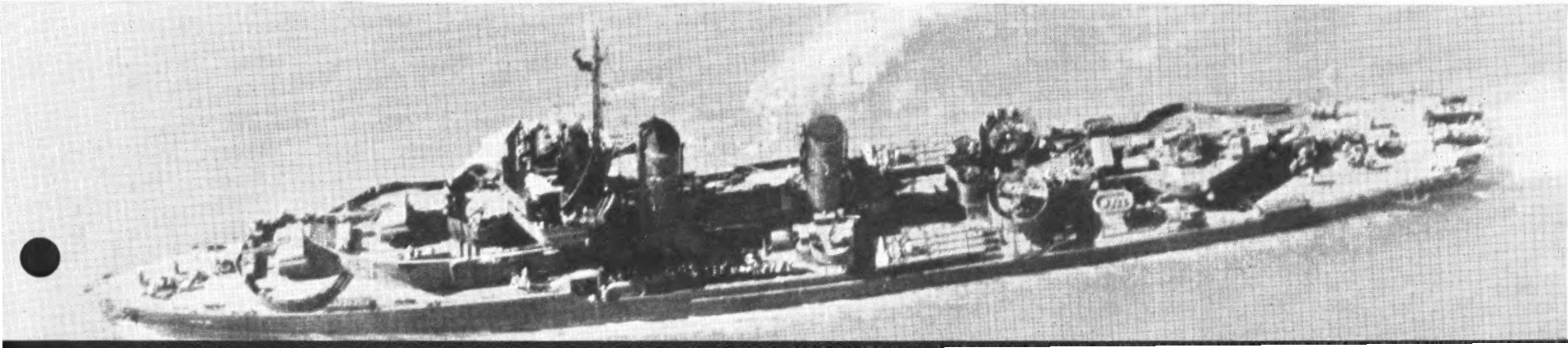
Completed in 1936-37 as improved FARRAGUT's, these ships are typical of our older two-stack destroyers.

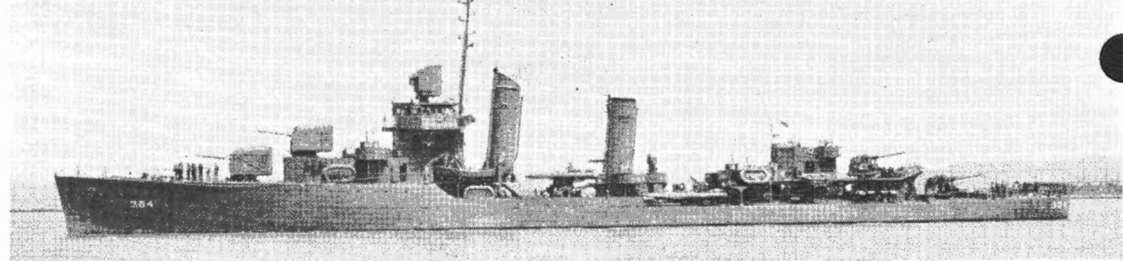
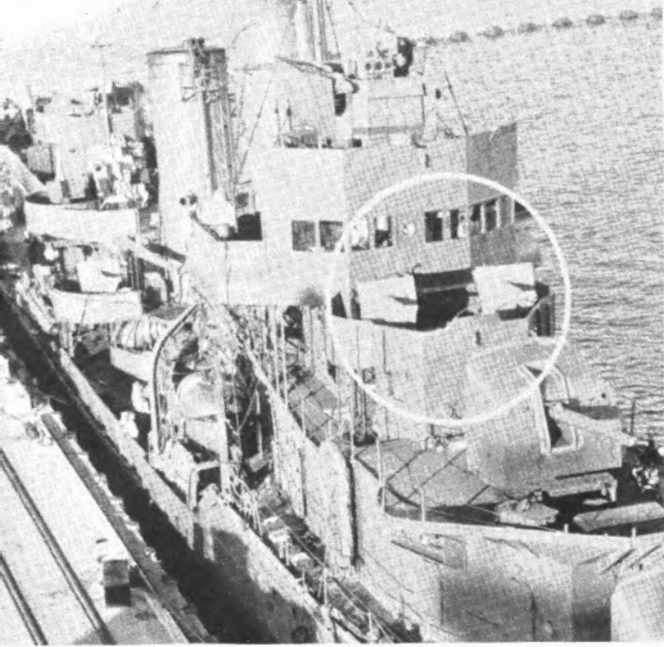
Observer's Note:

- Gunhouses forward differentiate DUNLAP from MAHAN Class (open gunshields).
- Very similar in appearance to PORTER, LIVERMORE, BENSON Classes; differentiated by armament disposition and stack spacing.

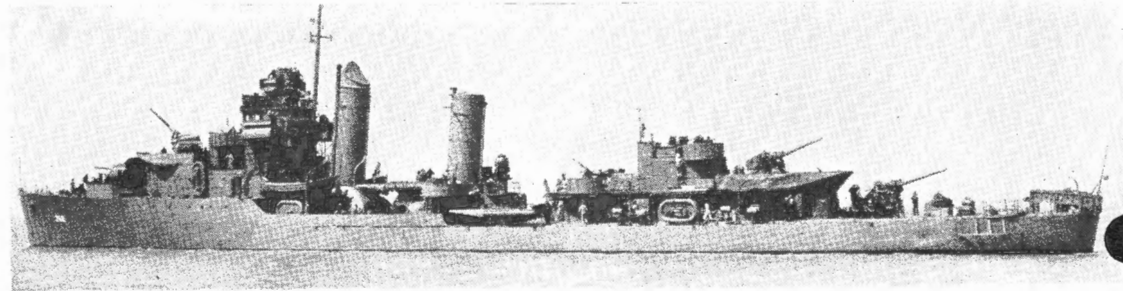
◀ CONYNGHAM, 1-42

▼ FLUSSER, 1-43



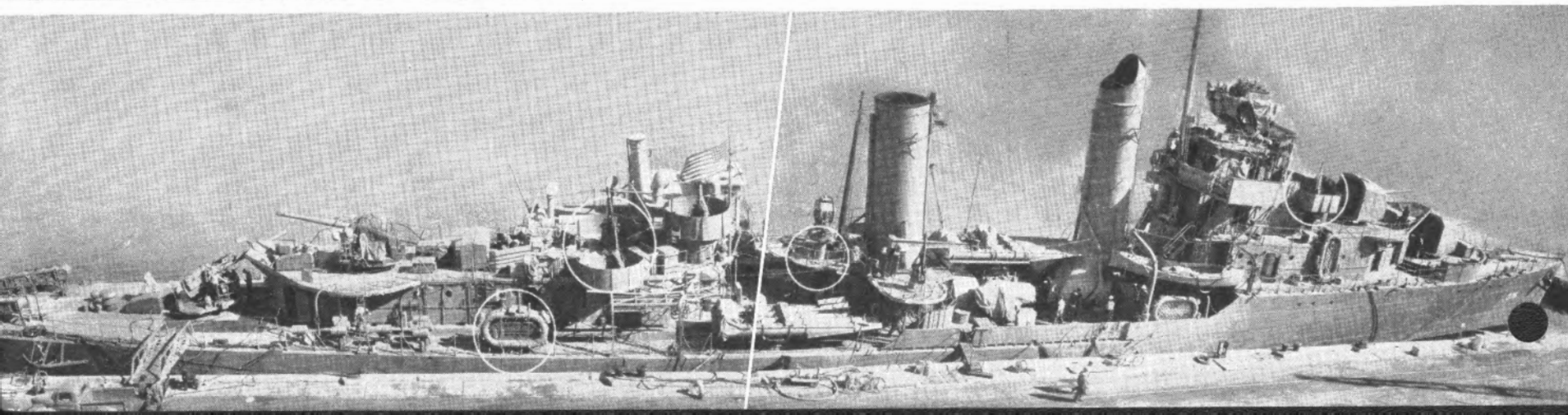


DUNLAP ▲, FLUSSER ▼ illustrate appearance differences in the two combined classes.



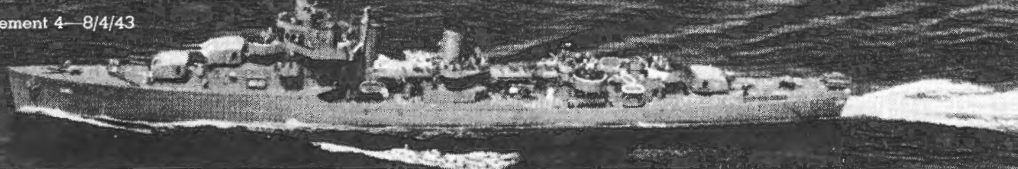
◀ CONYNGHAM, showing recent alterations, typical of the class.

▼ CUSHING



ONI 54 R—RESTRICTED

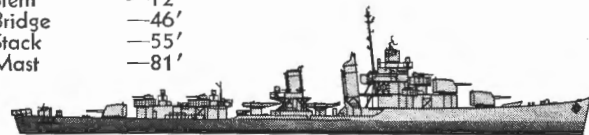
Supplement 4—8/4/43



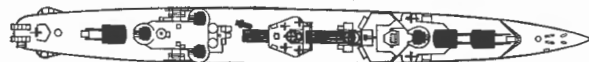
PORTER Class—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow —24'
Stern —12'
Bridge —46'
Stack —55'
Mast —81'



Length o. a.—381'



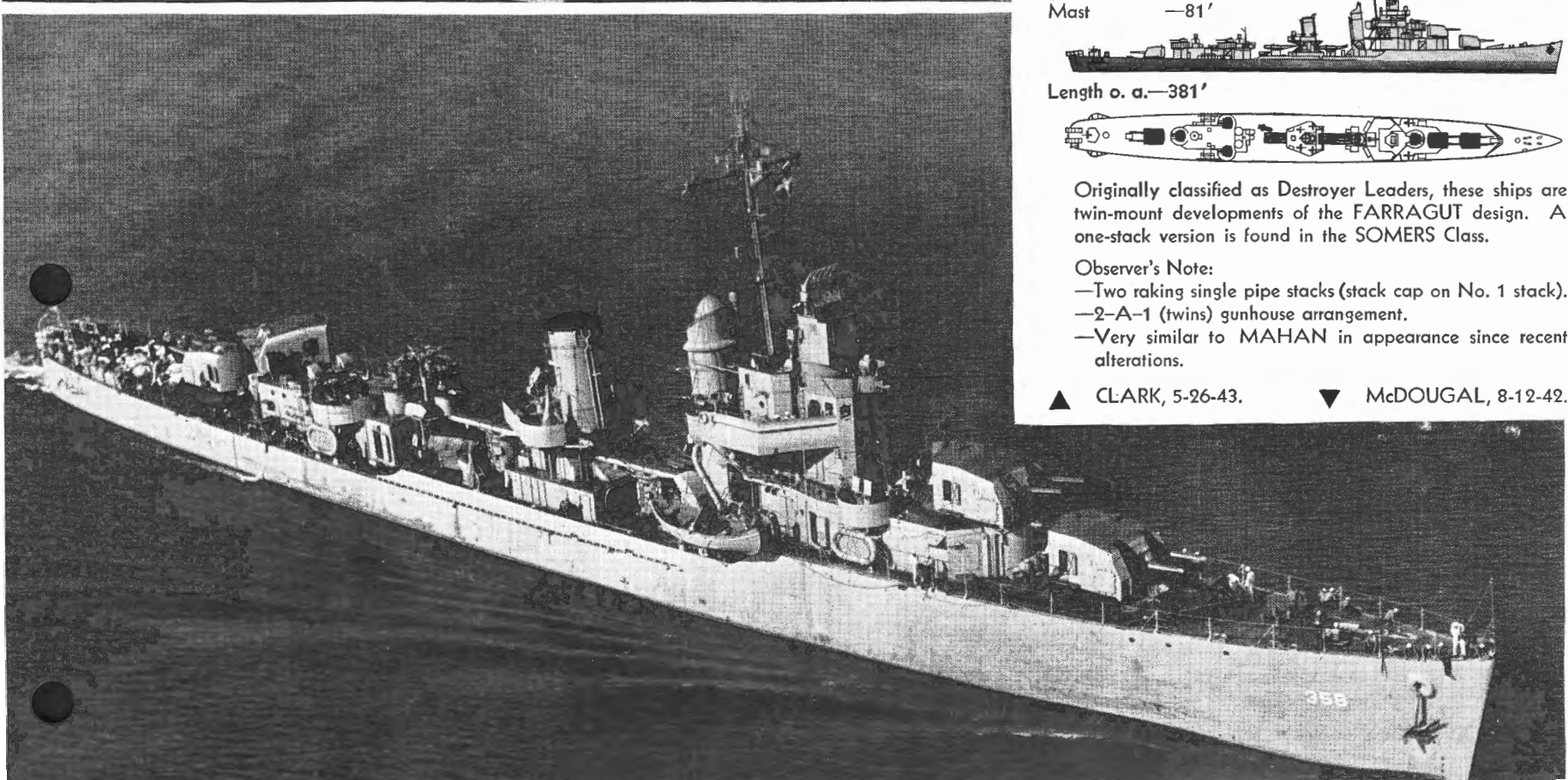
Originally classified as Destroyer Leaders, these ships are twin-mount developments of the FARRAGUT design. A one-stack version is found in the SOMERS Class.

Observer's Note:

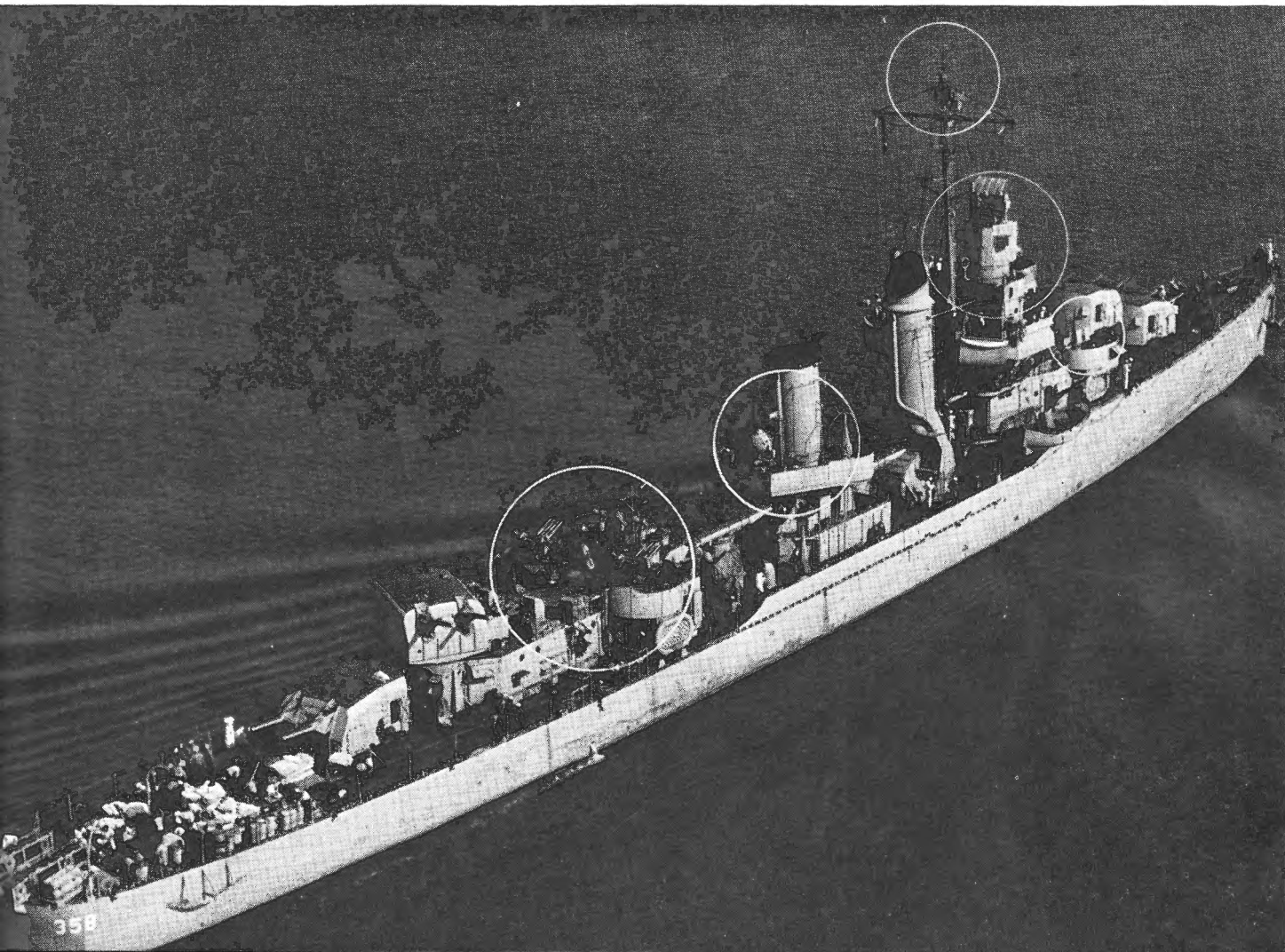
- Two raking single pipe stacks (stack cap on No. 1 stack).
- 2-A-1 (twins) gunhouse arrangement.
- Very similar to MAHAN in appearance since recent alterations.

▲ CLARK, 5-26-43.

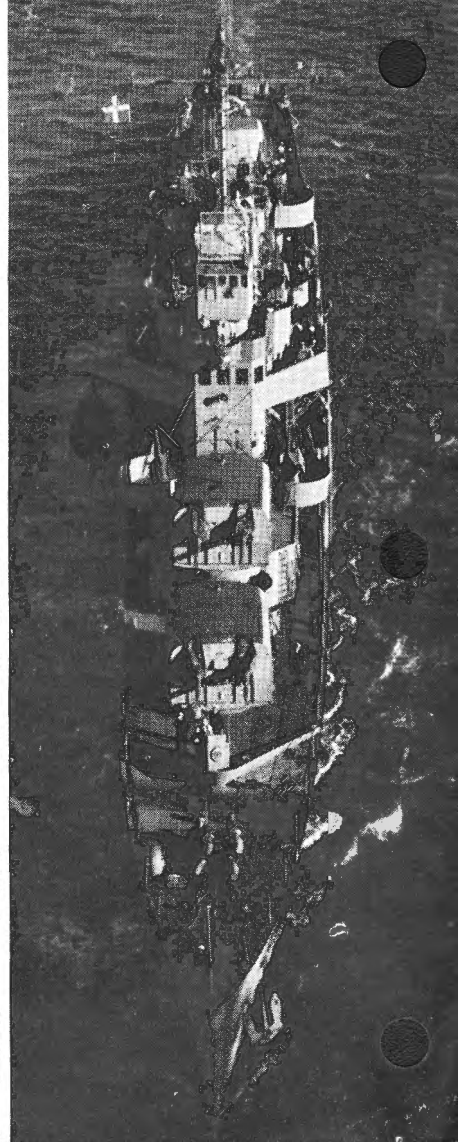
▼ McDOUGAL, 8-12-42.



▼ McDOUGAL, 8-12-42.

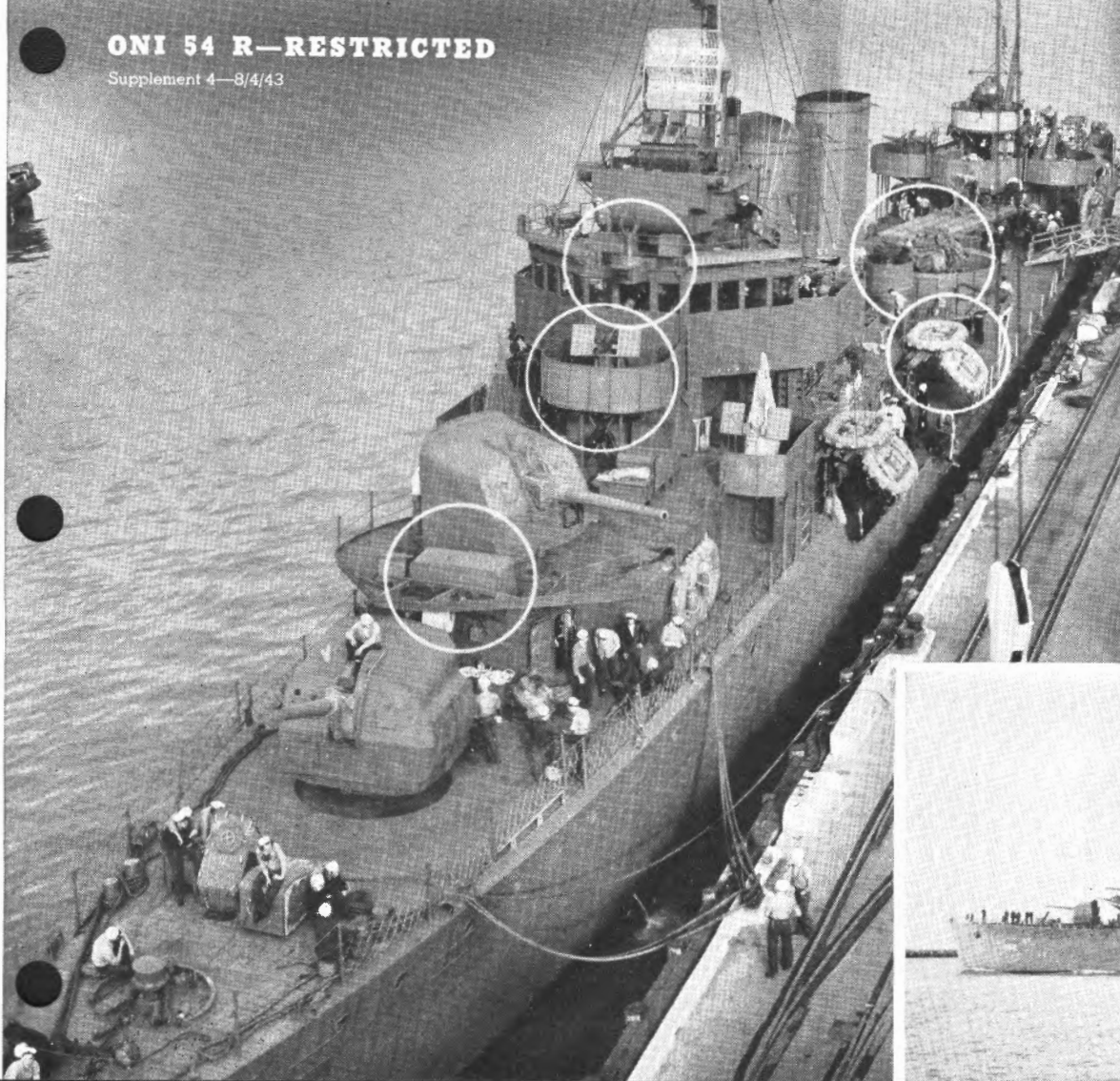


MOFFETT, 10-28-42. ►



ONI 54 R—RESTRICTED

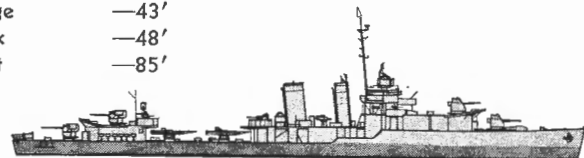
Supplement 4—8/4/43



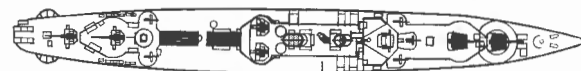
FARRAGUT Class—DD

Division of Naval Intelligence—Identification and Characteristics Section

Bow	—21'
Stern	—10'
Bridge	—43'
Stack	—48'
Mast	—85'



Length o. a.—341'



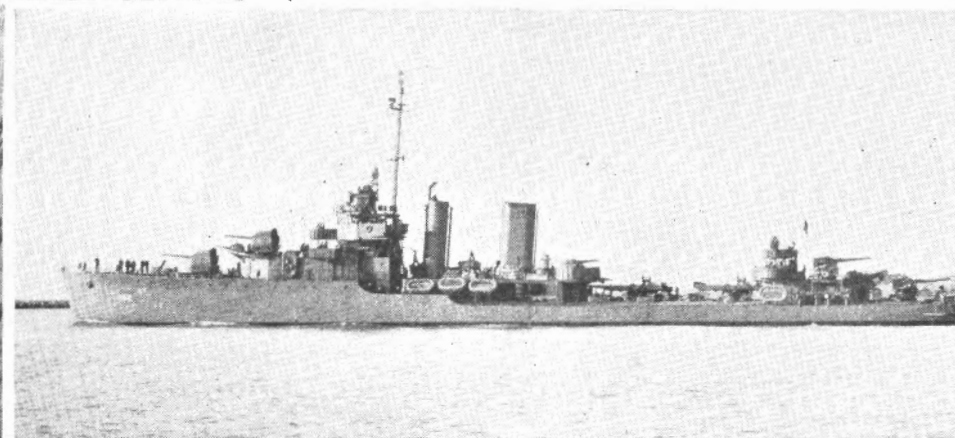
The first of our post-war destroyers, completed in 1934-35. Their design follows the two-stack, British-inspired destroyer type found in most navies.

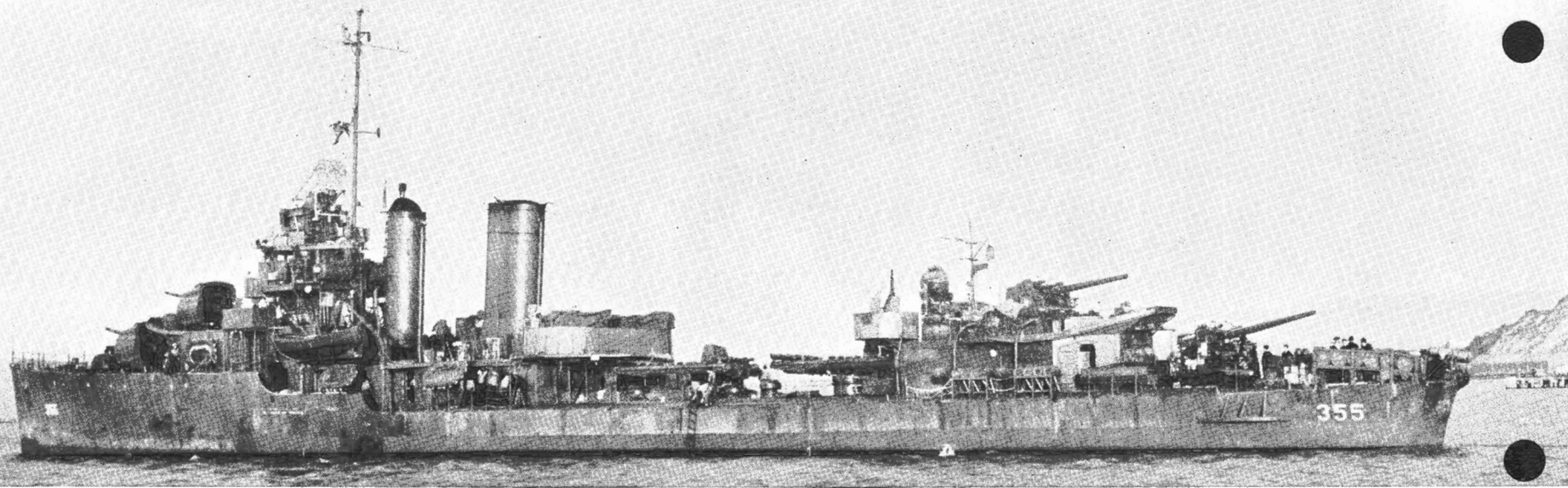
Observer's Note:

- Two closely spaced stacks of unequal thickness.
- Shielded superimposed mounts forward, open guns aft.
- Two in-line torpedo mounts on main deck abaft stack.

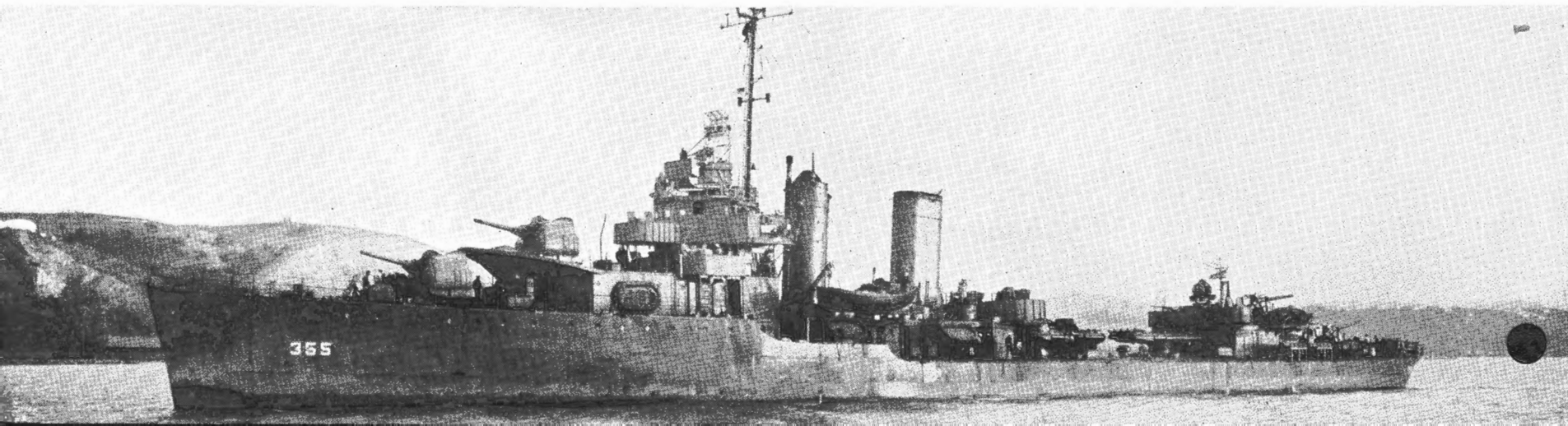
◀ DEWEY, 12-42.

▼ WORDEN, 1-43.





AYLWIN, I-43



ONI 54 R—RESTRICTED

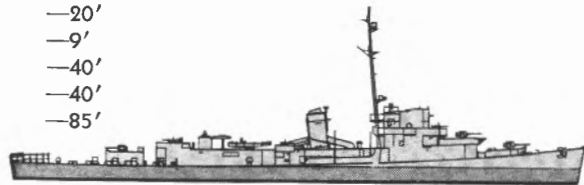
Supplement 4—8/4/43



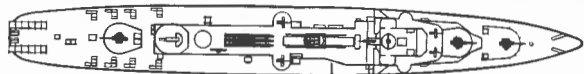
BUCKLEY Class—DE

Division of Naval Intelligence—Identification and Characteristics Section

Bow	—20'
Stern	—9'
Bridge	—40'
Stack	—40'
Mast	—85'



Length o. a.—306'



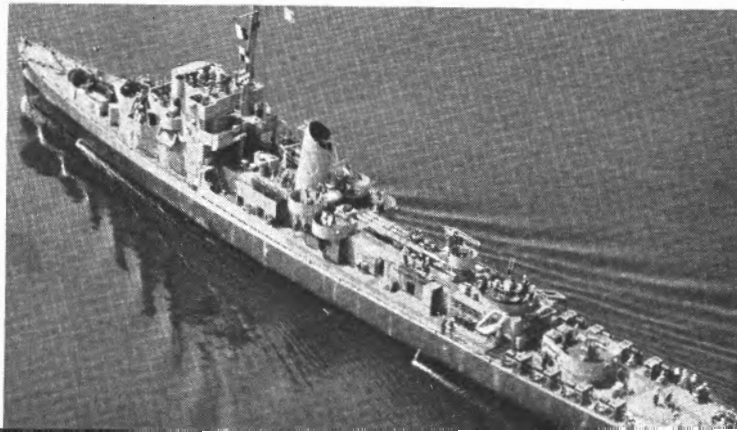
These ships still retain many of the attributes of the destroyers they replace in escort duties. Torpedo armament differentiates them from the short-hull DE's.

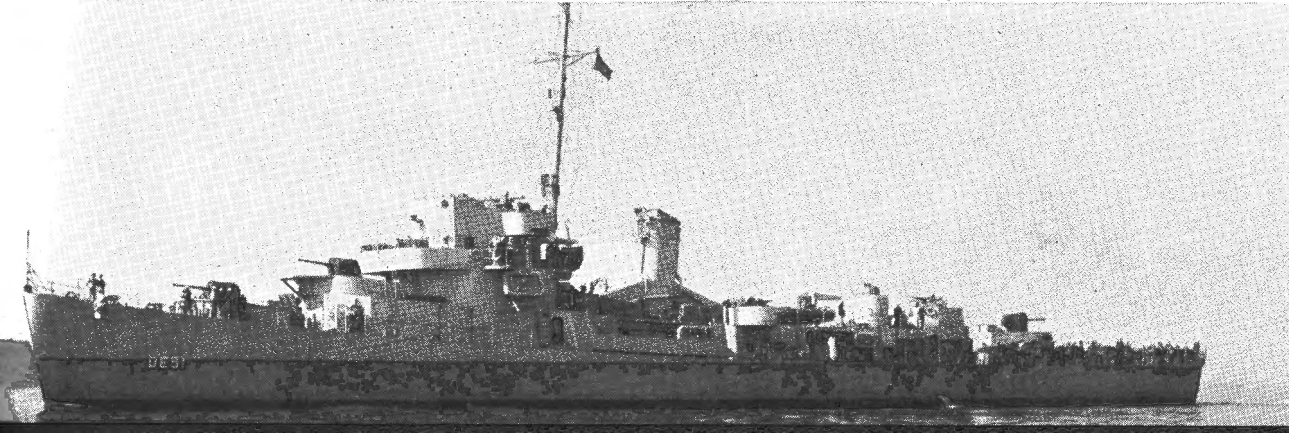
Observer's Note:

—Long-hull DE's have either a raking single pipe or trunked stack, depending upon type of drive. Although no class differentiation is made, these ships are classified under four separate groups, according to builder and machinery.

◀ REUBEN JAMES, 4-43

▼ ACREE, 8-43

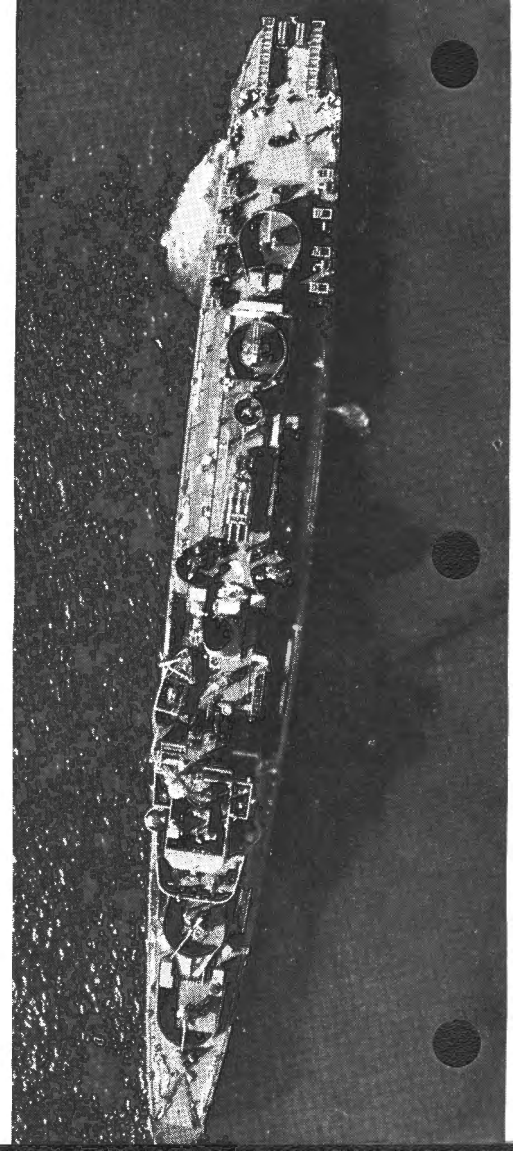




▲ BUCKLEY, 5-43



◀ McCONNELL, 6-43

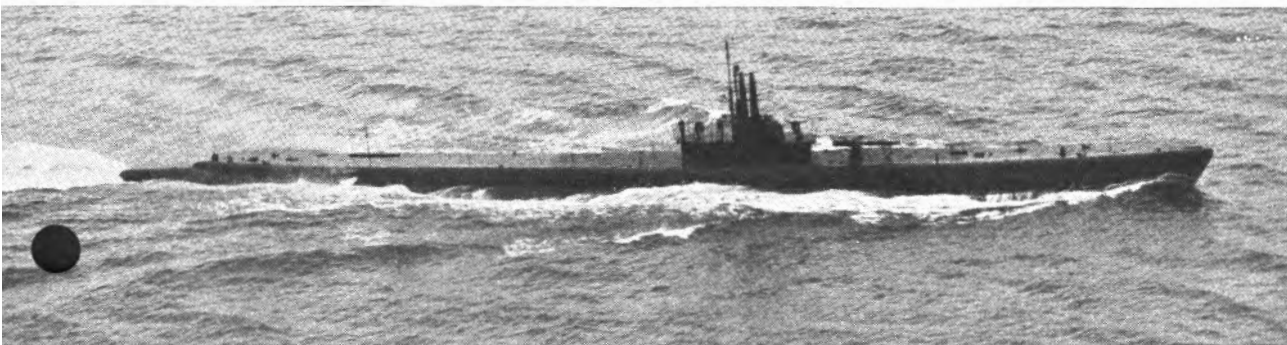
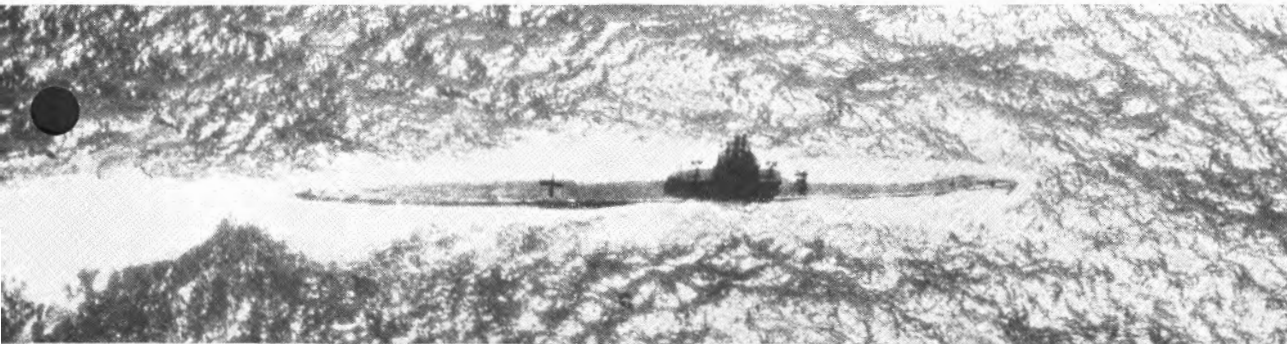
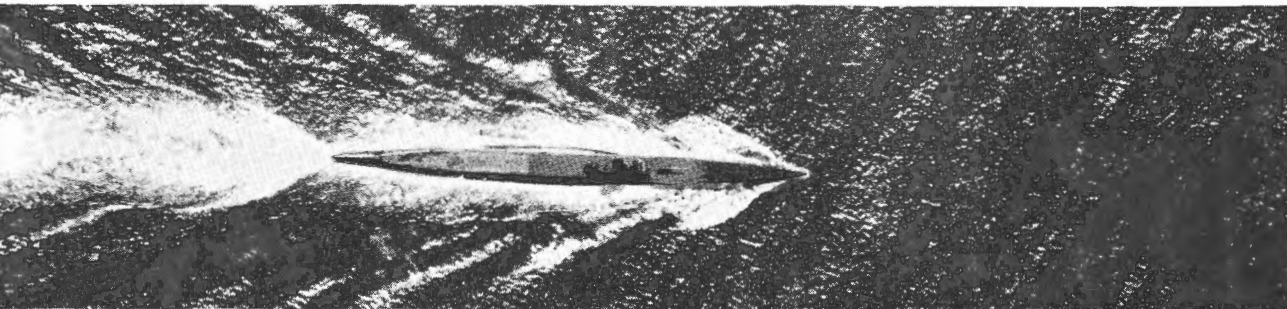


The newest class of Fleet Submarines, the BALAO's are notable in their new conning tower design.

Note the forward deck gun now standard and machine gun positions, as well as the tall, conical periscope shears.

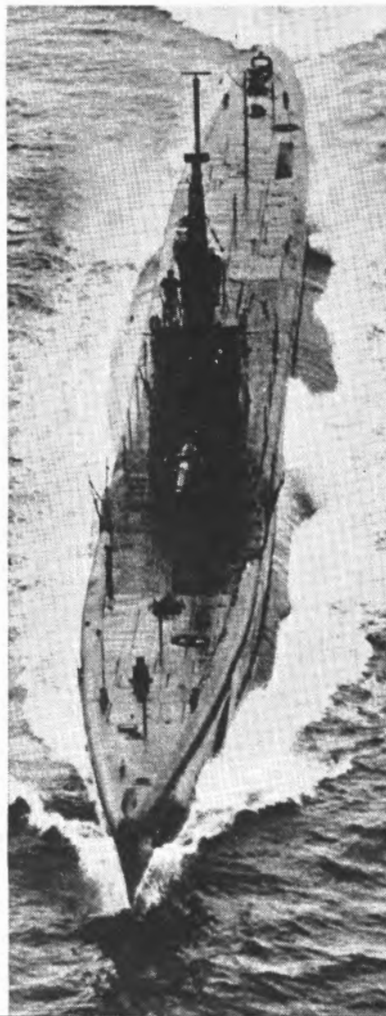
BALAO CLASS—SS

Division of Naval Intelligence—Identification and Characteristic Sections



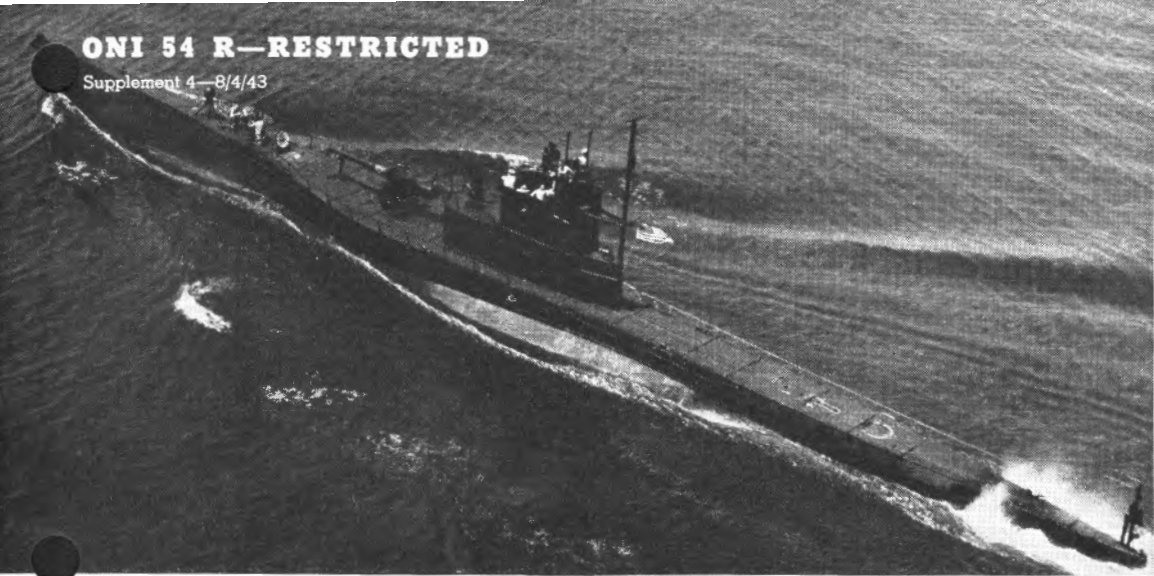
Photos show the CISCO and SCAMP, 6-43.





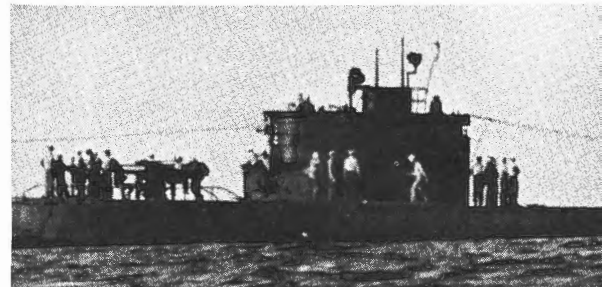
ONI 54 R—RESTRICTED

Supplement 4—8/4/43



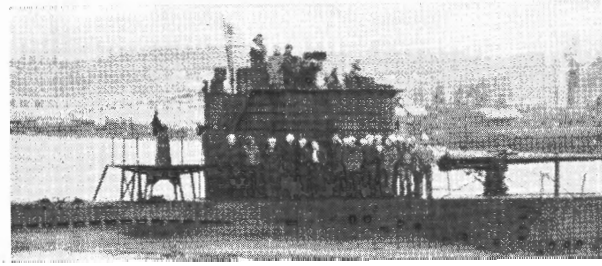
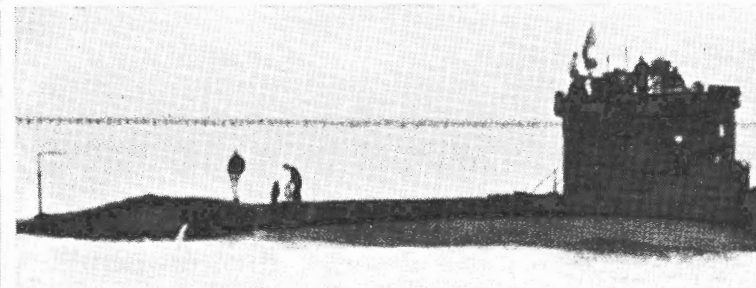
S CLASS—SS

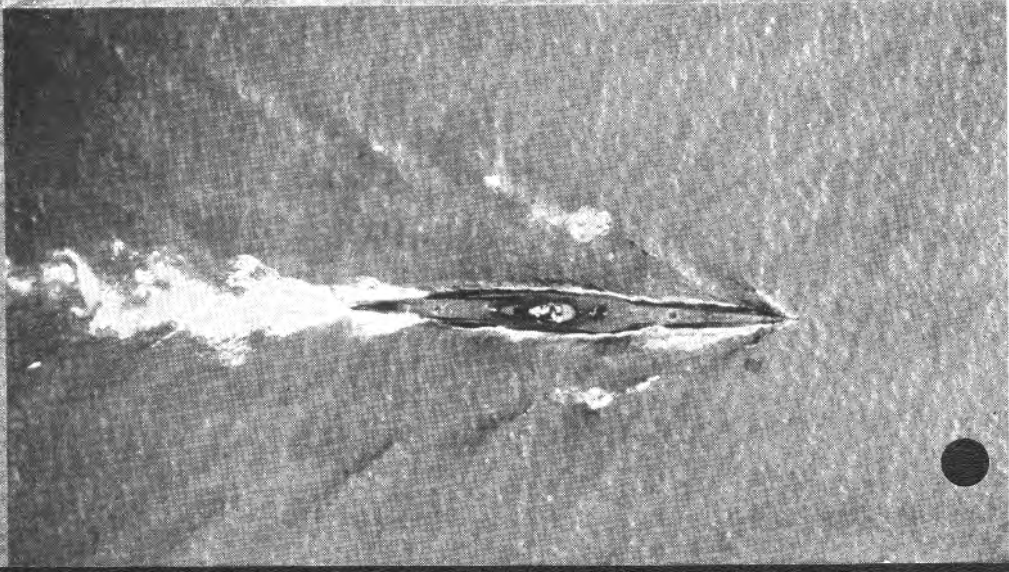
Division of Naval Intelligence—Identification and Characteristics Section



Completed between 1916–1918, this class is usually split into "Government" and "Holland" types. Of the latter group, three distinct appearance types are illustrated.

Photos, all taken in 1943, show new alterations in the conning tower, machine gun location and the stern deck structure.

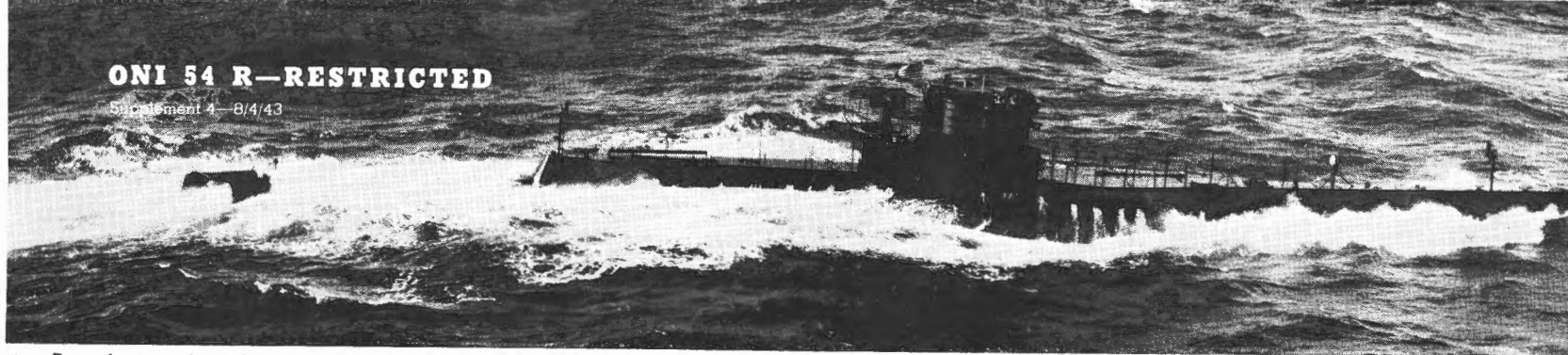




ONI 54 R—RESTRICTED

Supplement 4—8/4/43

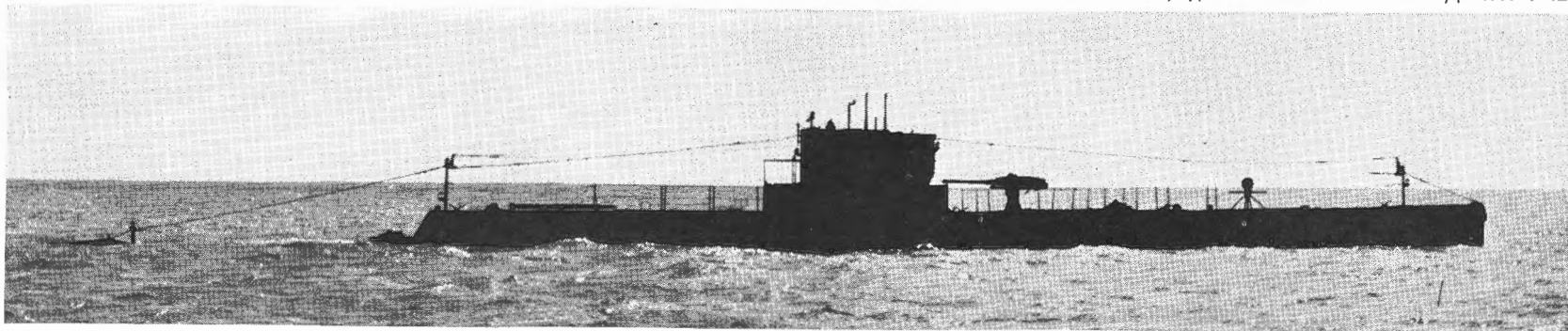
SS



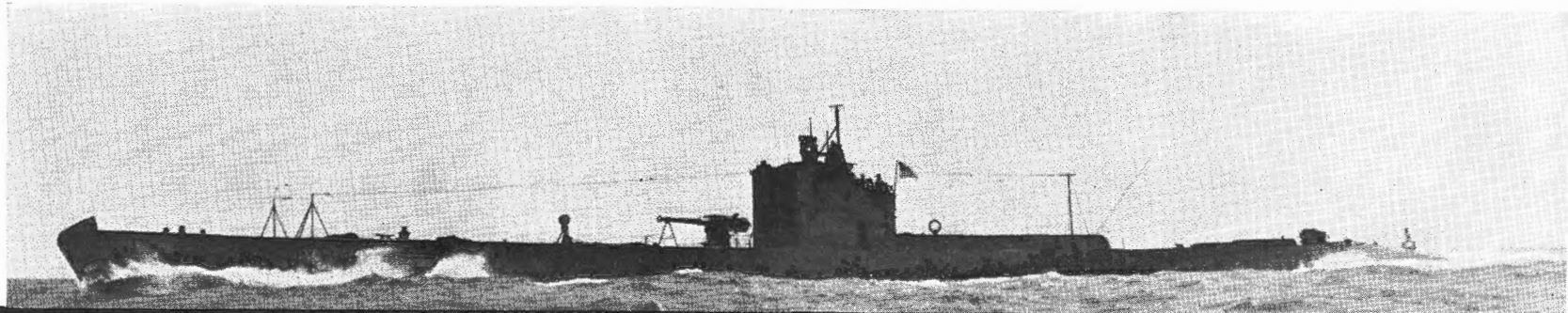
▲ R-1, shown without deck gun, 2-43.

R CLASS—SS

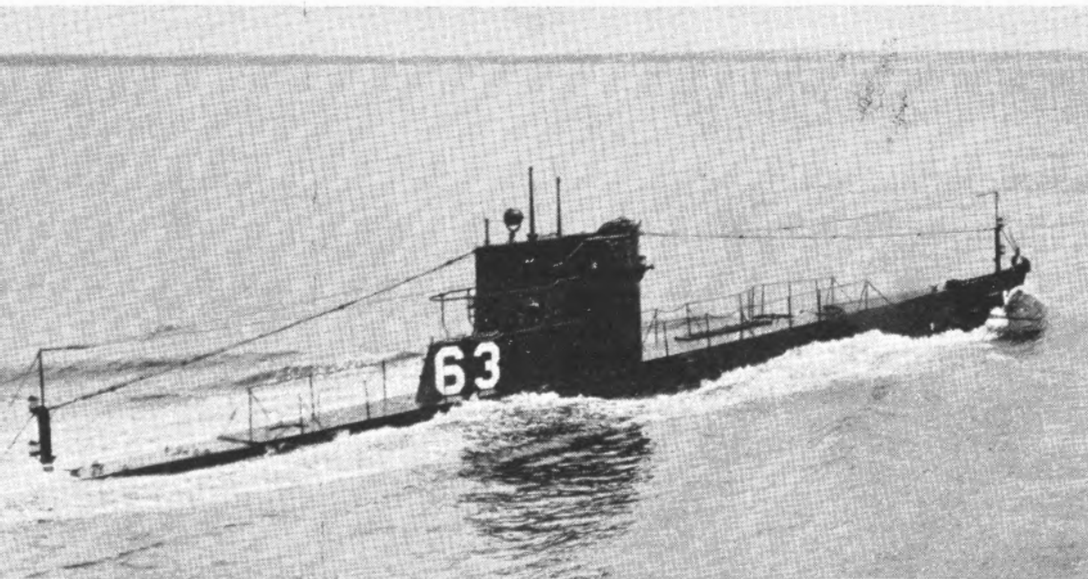
▼ R-2, typical of the rest of the class, photos 7-42.



▼ **DOLPHIN**



BASS, O Classes—SS



▲ "O" Class.

▼ BASS, showing recent changes, 3-43. ►

