FM 30–53

WAR DEPARTMENT

BASIC FIELD MANUAL

MILITARY INTELLIGENCE

IDENTIFICATION OF FRENCH NAVAL VESSELS

March 7, 1942

FM 30–53

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FM 30–53, Military Intelligence, Identification of French Naval Vessels, is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
Major General,
The Adjutant General.

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(For explanation of symbols see FM 21–6.)

II

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408.3
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FM 30-53

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FM 30–53

BASIC FIELD MANUAL

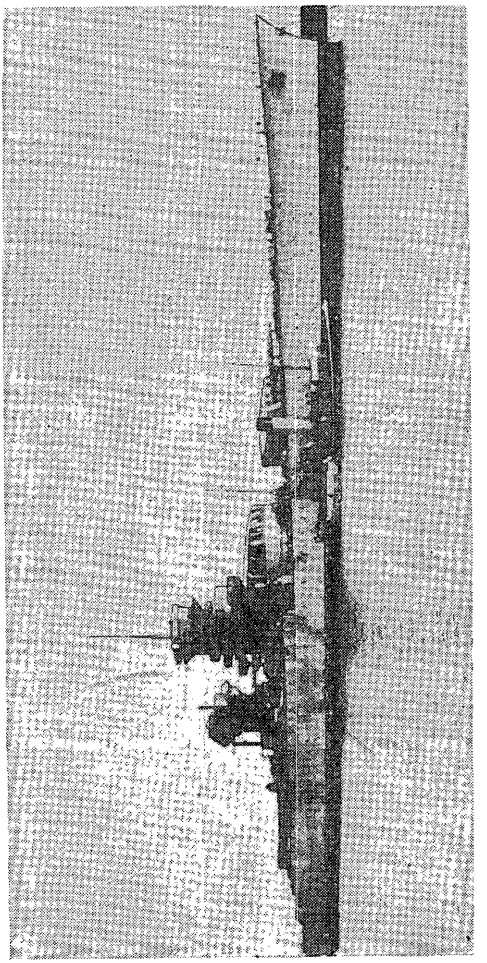
MILITARY INTELLIGENCE

IDENTIFICATION OF FRENCH NAVAL VESSELS

The material contained in this manual has been secured from many sources. It is the best material available but may be incomplete.

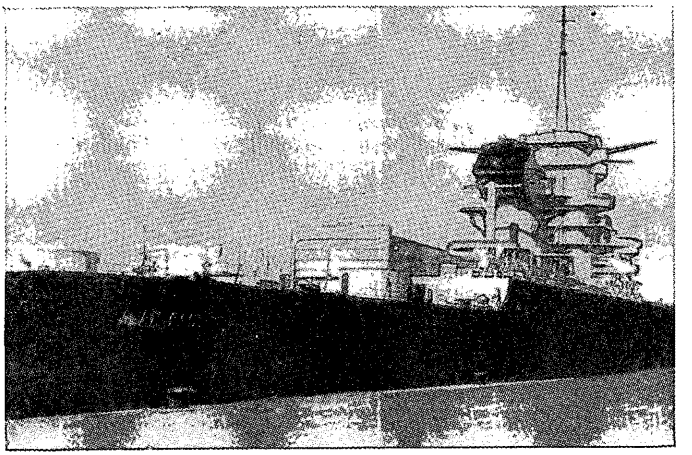
This manual, containing illustrations with explanatory data relative to French naval vessels, is published for limited distribution. It will be used for instruction of officers and men in the appearance and general characteristics of French naval vessels and will be safeguarded as prescribed in AR 380–5.

FRENCH NAVY



Battleship JEAN BART (June 23, 1940—partially completed)

Battleships
RICHELIEU CLASS
(2 ships)



Battleship JEAN BART (as of December 1940)

Under French control
RICHELIEU (damaged)
JEAN BART (77 percent completed)

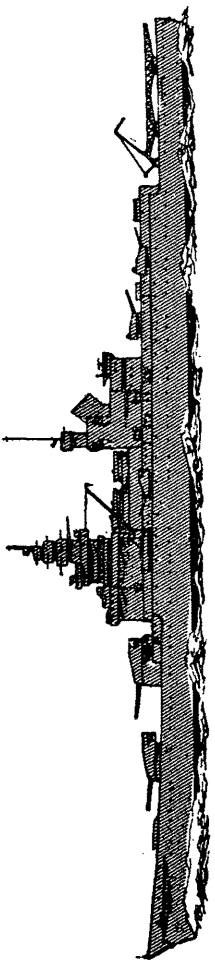
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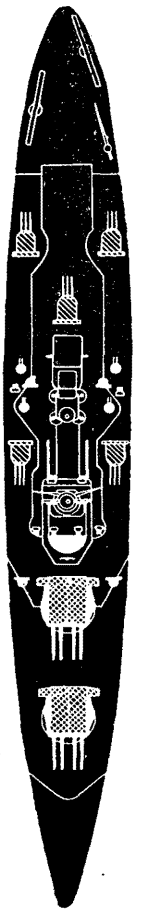
Displacement, 35,000 tons (standard).
Length, 794 feet.
Beam, 108¼ feet.
Draft, 26½ feet (mean).
Speed, 31.5 knots.

Guns:
8 15-inch.
15 6-inch.
12 37-mm AA.
24 caliber .50 AA MG.

Torpedo tubes: None.
Aircraft: 4.
Catapults: 2.

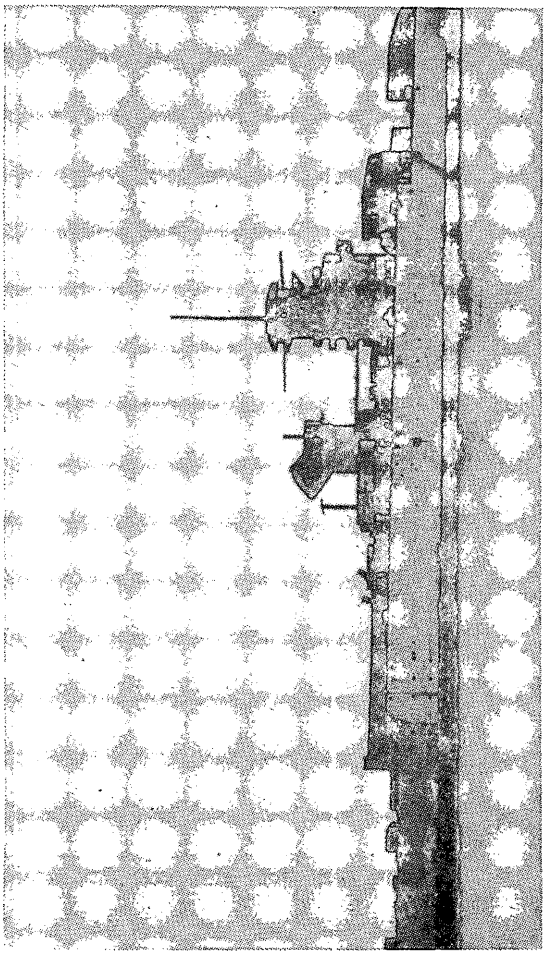
FRENCH NAVY





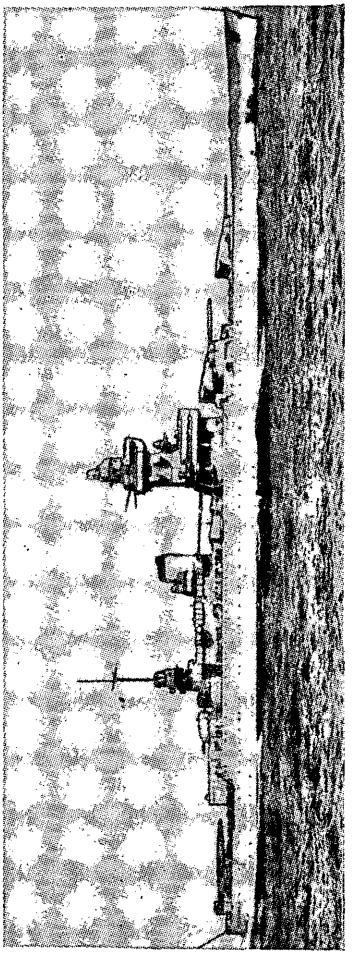
Battleships RICHELIEU and JEAN BART

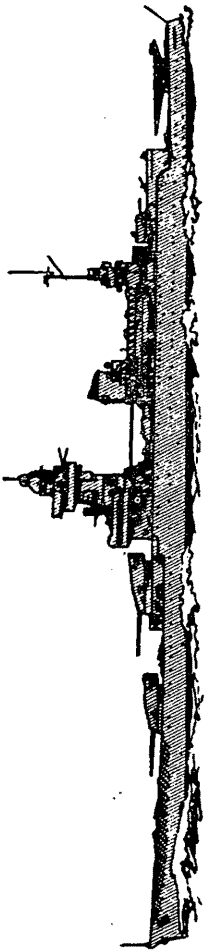
Battleships
RICHELIEU CLASS



Battleship JEAN BART (June 1940)

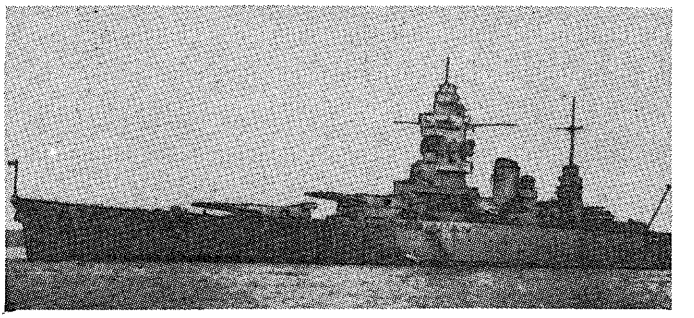
FRENCH NAVY





Battleship STRASBOURG

Battleships
DUNKERQUE CLASS
(2 ships)



Battleship DUNKERQUE

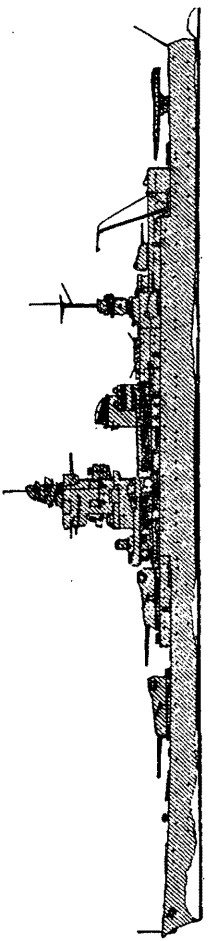


DUNKERQUE CLASS

Under French control
DUNKERQUE (damaged)
STRASBOURG

Description:	Displacement, 26,500 tons (standard).
	Length, 702 feet (over all).
	Beam, 101¾ feet.
	Draft, 28 feet (mean).
	Speed, 29.5 knots.
Guns:	8 13-inch.
	16 5.1-inch (dual purpose).
	4 47-mm.
	10 37-mm AA.
	32 caliber .50 AA MG.
Torpedo tubes:	None.
Aircraft:	4.
Catapults:	1 (on quarter-deck).

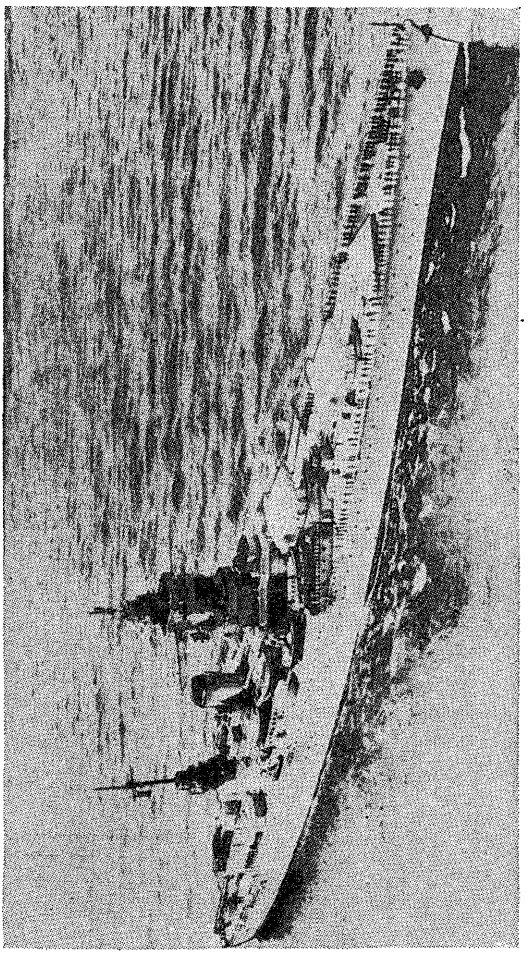
FRENCH
NAVY





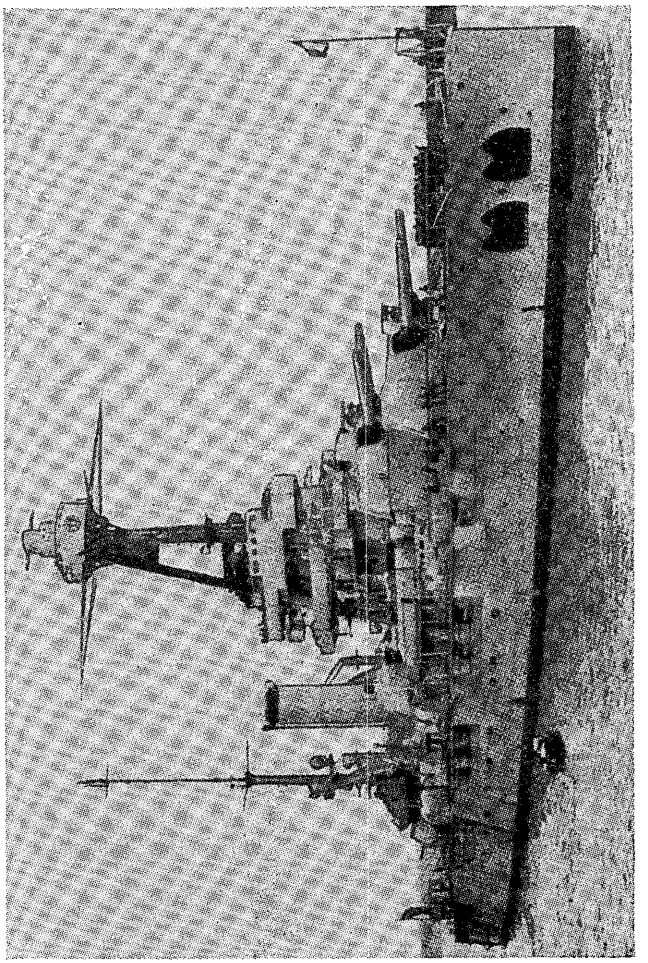
Battleship DUNKERQUE

Battleships
DUNKERQUE CLASS



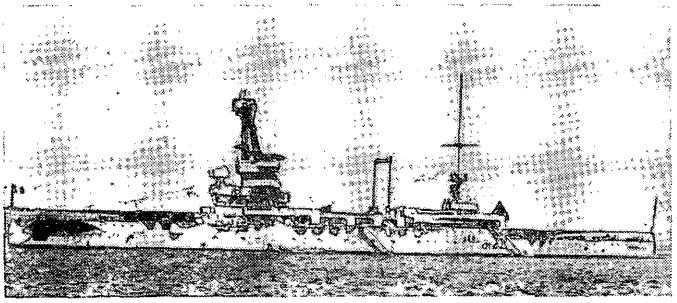
Battleship DUNKERQUE

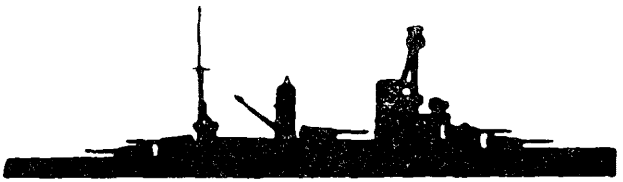
FRENCH NAVY



Battleship PROVENCE

Battleship
PROVENCE



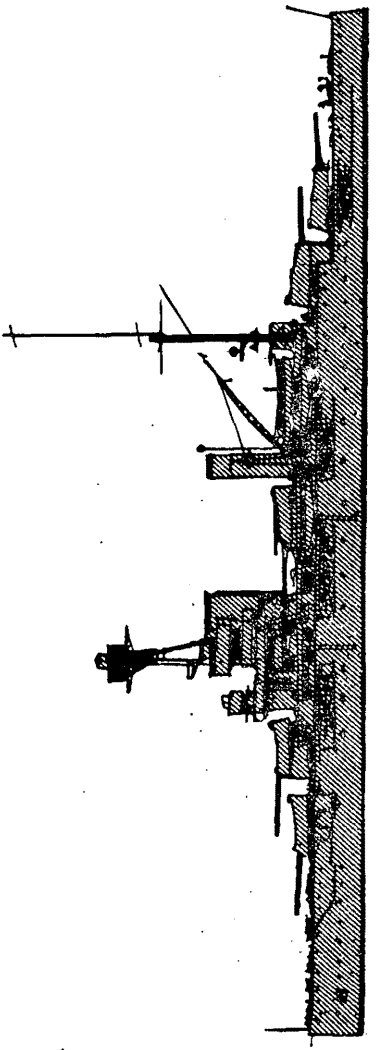


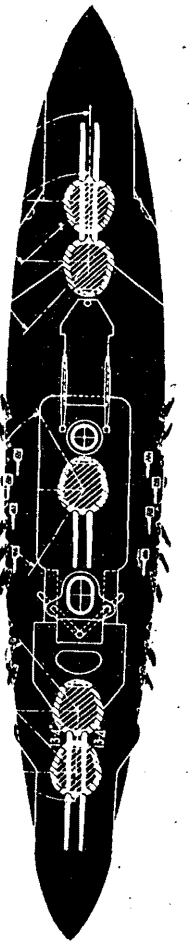
Battleship PROVENCE

Under French control
PROVENCE

Description:	Displacement, 22,189 tons (standard).
	Length, 544½ feet (over all).
	Beam, 88½ feet.
	Draft, 32 feet (maximum).
	Speed, 21.4 knots.
Guns:	10 13.4-inch.
	14 5.4-inch.
	8 3-inch AA.
	12 Caliber .50 AA MG.
Torpedo tubes:	2 bow; 2 stern; 1 each side.
Aircraft:	4.

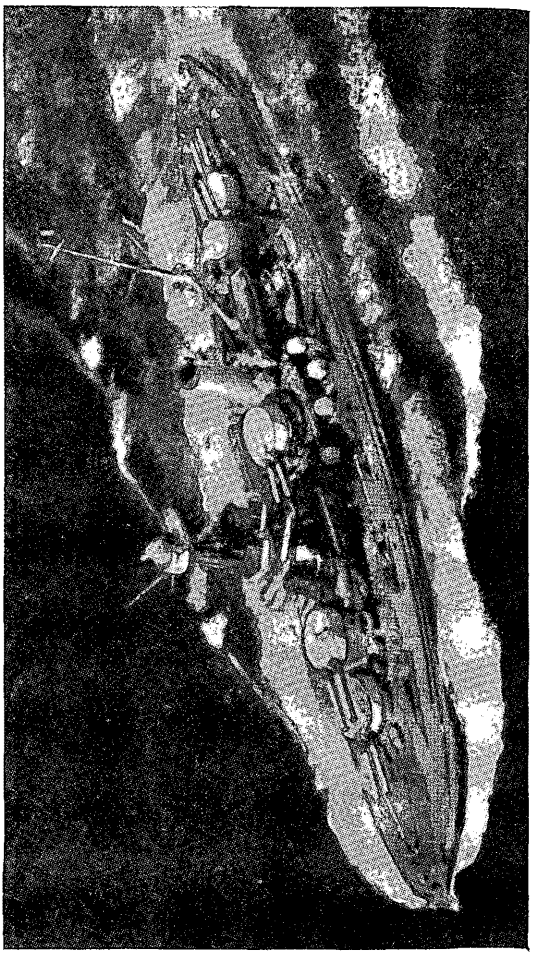
FRENCH NAVY





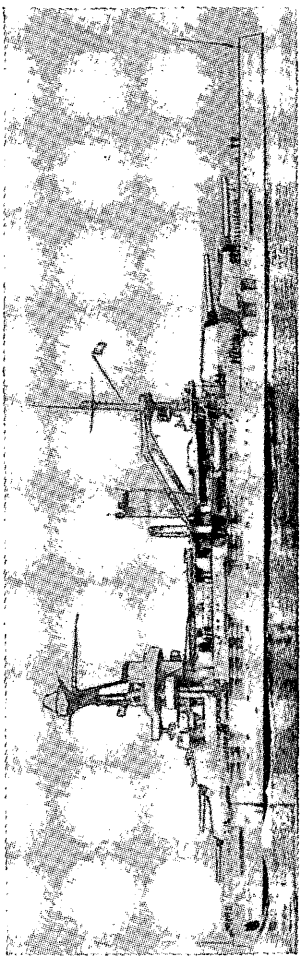
Battleship PROVENCE

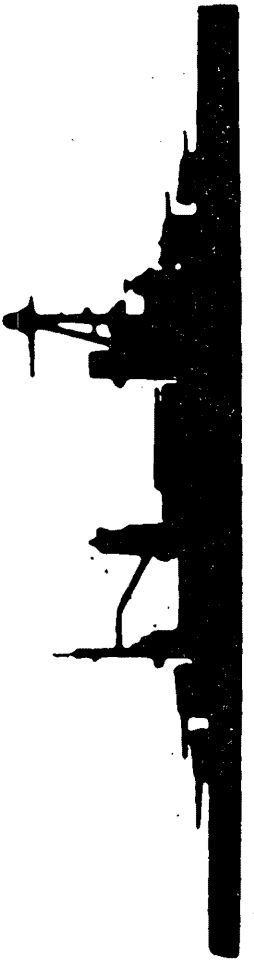
Battleship
PROVENCE



Battleship PROVENCE

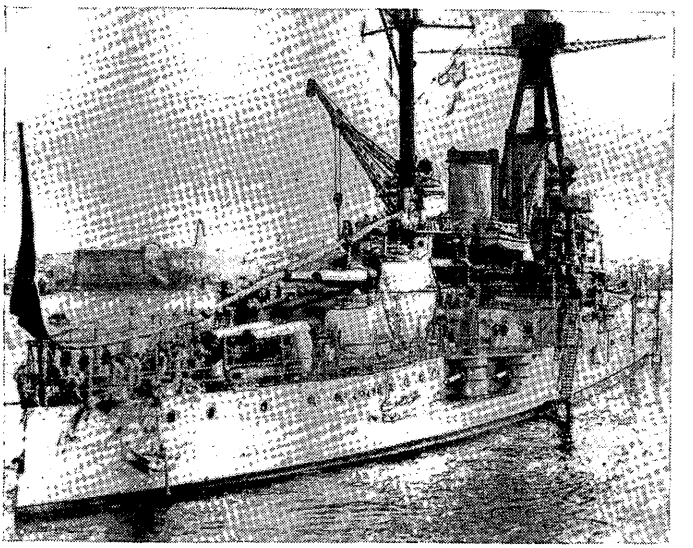
FRENCH NAVY





Battleship LORRAINE

Battleship
LORRAINE

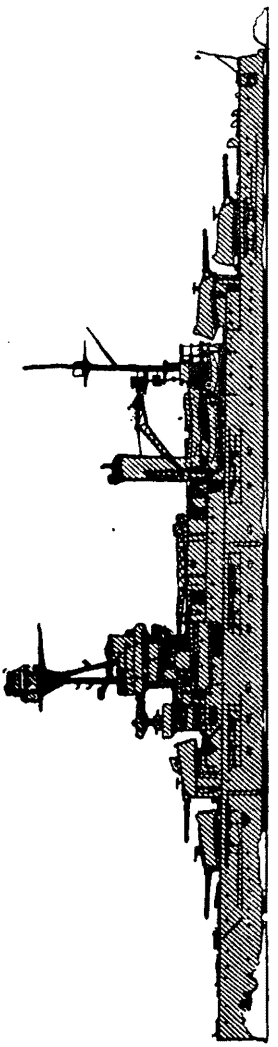


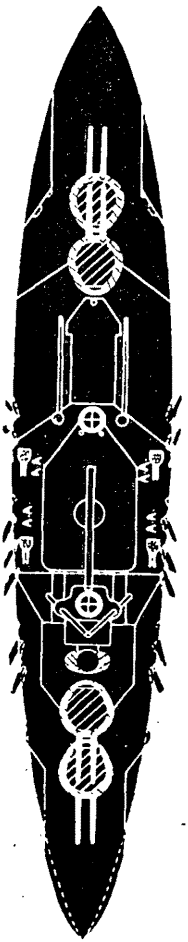
Battleship LORRAINE

Not under French control
LORRAINE

Description:	Displacement, 22,189 tons (standard).
	Length, 544½ feet (over all).
	Beam, 88½ feet.
	Draft, 32 feet (maximum).
	Speed, 21.4 knots.
Guns:	8 13.4-inch.
	14 5.4-inch.
	8 3.9-inch AA.
	8 caliber .50 AA MG.
Torpedo tubes:	2 bow; 2 stern; 1 each side.
Aircraft:	4
Catapults:	1

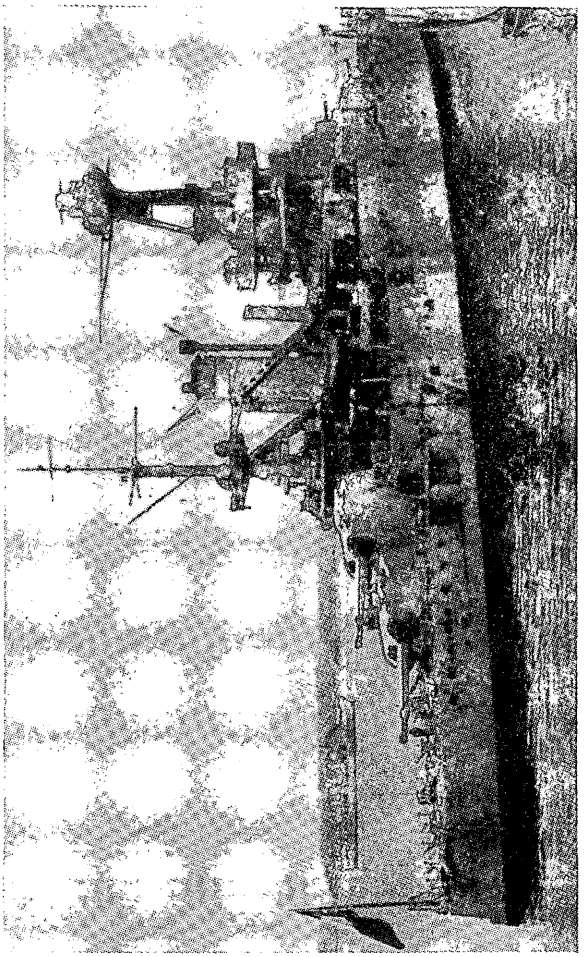
FRENCH
NAVY





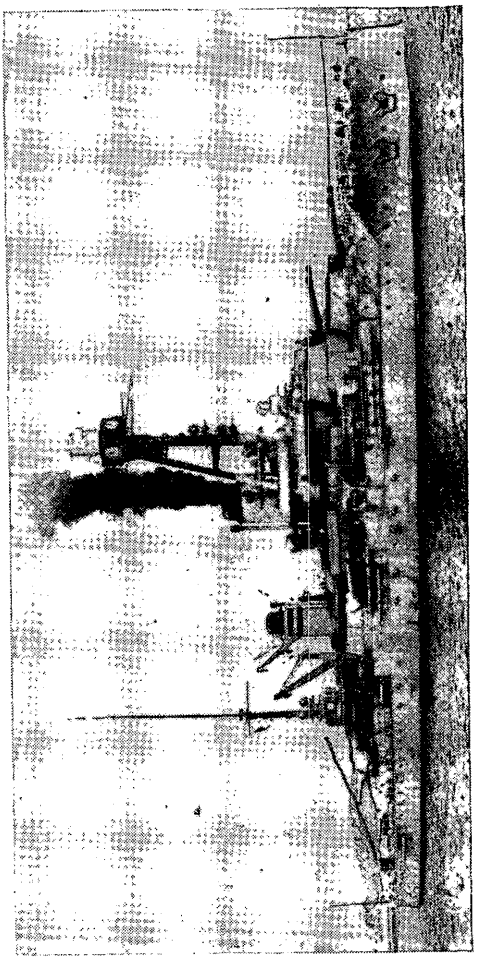
Battleship LORRAINE

Battleship
LORRAINE



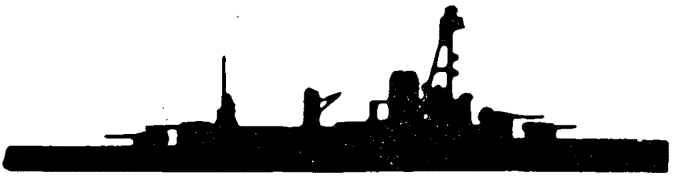
Battleship LORRAINE

FRENCH
NAVY



Battleship COURBET

Battleships
PARIS CLASS
(2 ships)



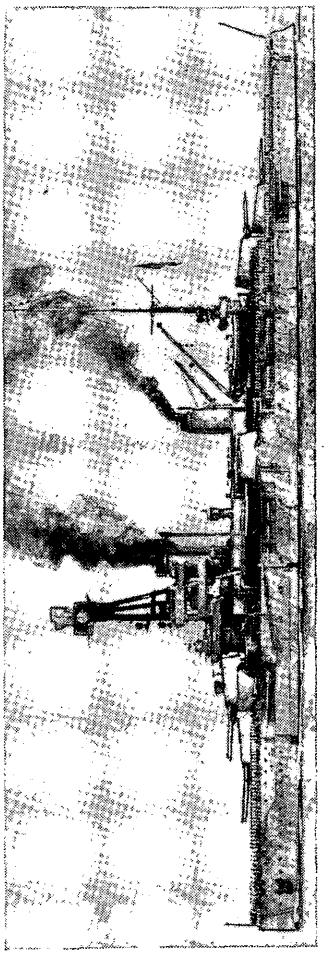
Battleships PARIS CLASS

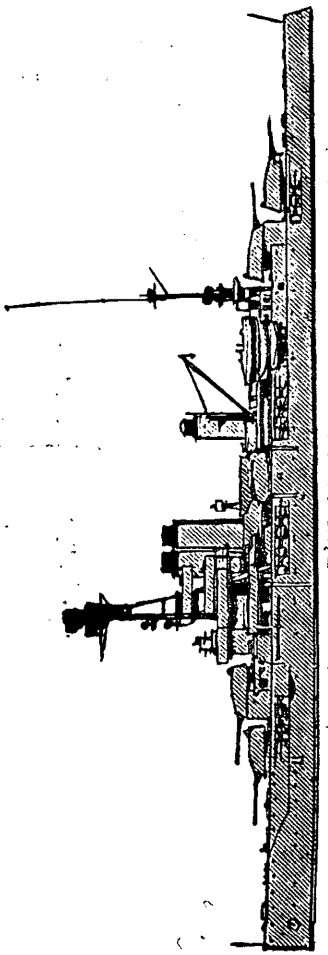
Not under French control
PARIS
COURBET

Description:	Displacement, 22,189 tons (standard).
	Length, 551 feet (over all).
	Beam, 92½ feet.
	Draft, 32½ feet (maximum).
	Speed, 21.4 knots.
Guns:	12 12-inch.
	22 5.4-inch.
	7 3-inch AA.
	2 47-mm AA.
Torpedo tubes:	2 bow; 2 stern; 1 each side.
Aircraft:	4.

THE ARMY LIBRARY
WASHINGTON, D. C.

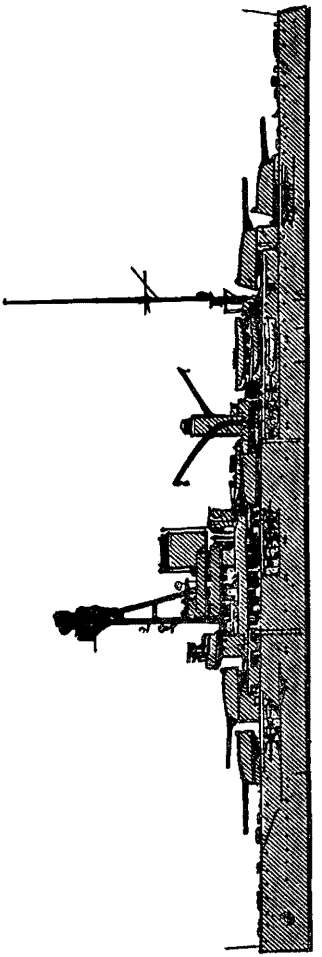
FRENCH NAVY

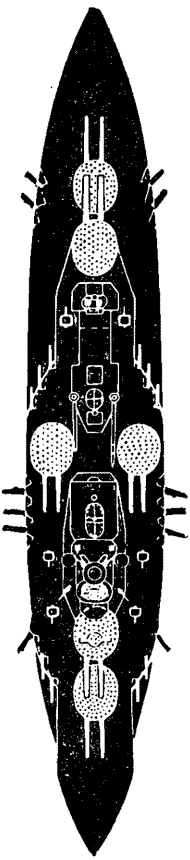




Battleship PARIS

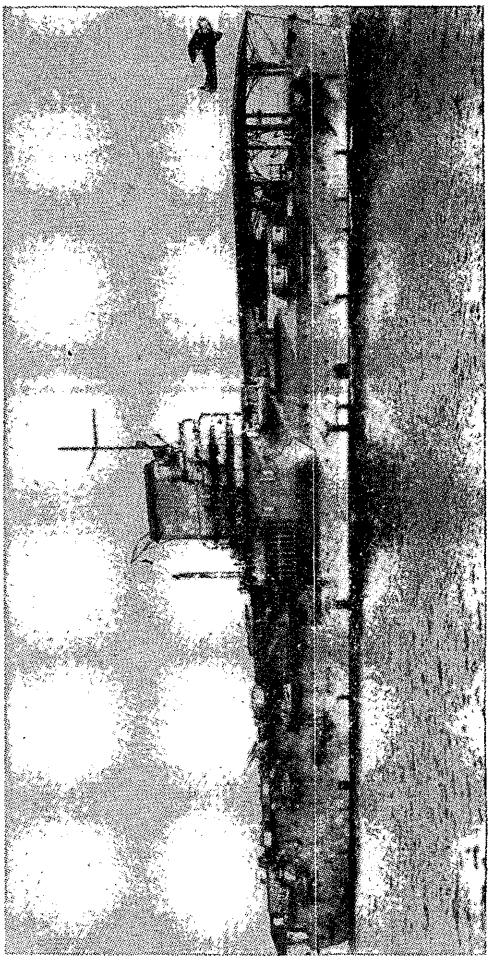
Battleships
PARIS CLASS





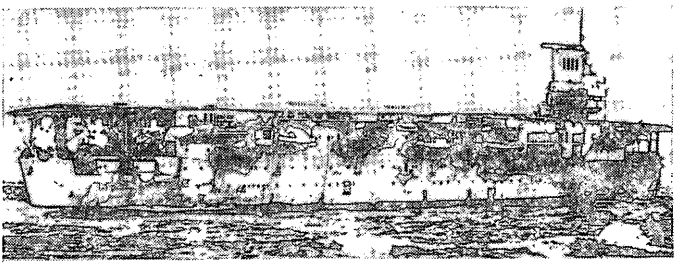
Battleship COURBET (cranes should be as in PARIS, not as shown)

FRENCH NAVY



Aircraft Carrier BÉARN

Aircraft Carrier
BÉARN



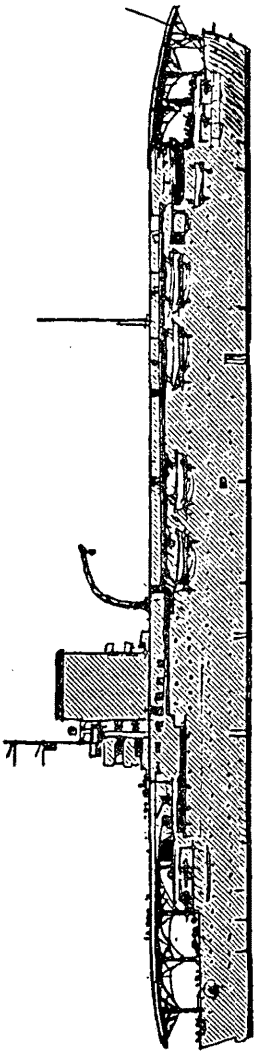


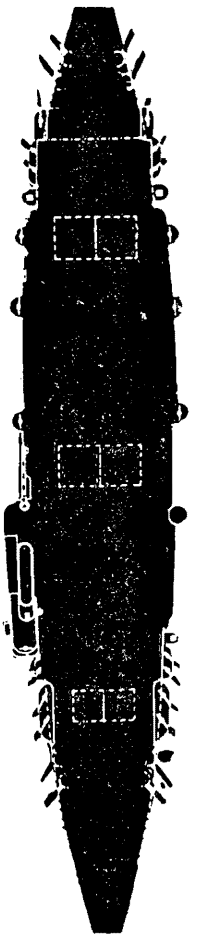
Aircraft Carrier BÉARN

Under French control
BÉARN

Description:	Displacement, 22,146 tons (standard).
	Length, 599 feet (over all).
	Beam, 89 feet (115½ feet, extreme).
	Draft, 30½ feet (maximum).
	Speed, 21.5 knots.
Guns:	8 6.1-inch.
	6 3-inch AA.
	8 37-mm AA.
Torpedo tubes:	4 21.7-inch.
Aircraft:	36 to 48.

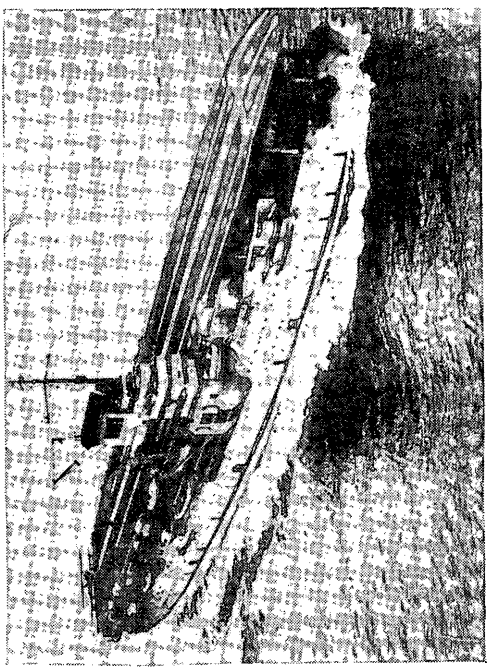
FRENCH NAVY





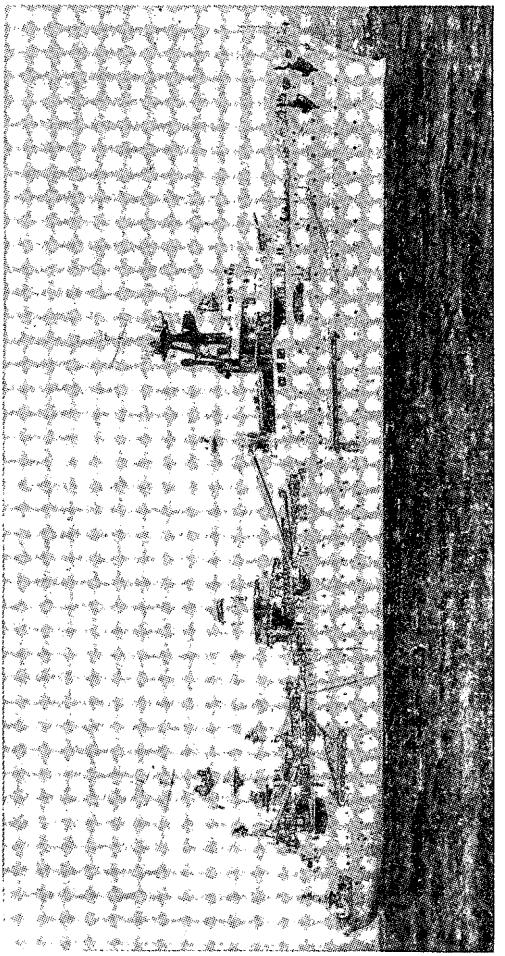
Aircraft Carrier BÉARN

Aircraft Carrier
BÉARN



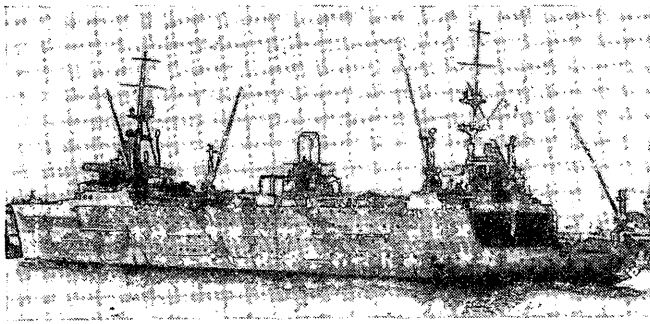
Aircraft Carrier BÉARN

FRENCH NAVY



Seaplane Tender COMMANDANT TESTE

Seaplane Tender
COMMANDANT TESTE



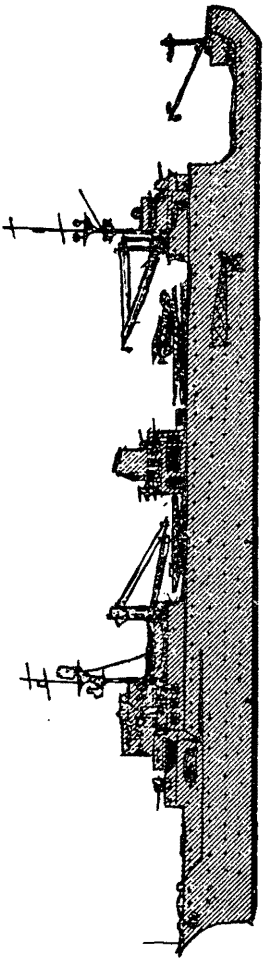


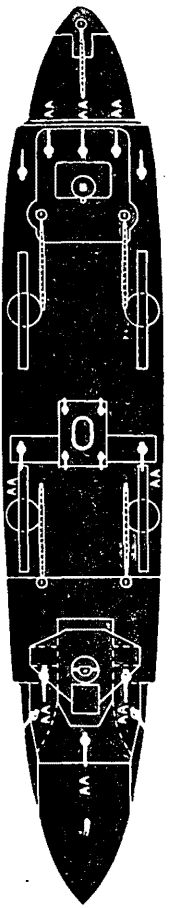
Seaplane Tender COMMANDANT TESTE

Under French control
COMMANDANT TESTE

Description:	Displacement, 10,000 tons (standard).
	Length, 558 feet (over all).
	Beam, 71½ feet (88½ feet, extreme).
	Draft, 22¾ feet.
	Speed, 20.5 knots.
Guns:	12 3.9-inch AA.
	8 1.50-inch AA.
	12 caliber .50 AA MG.
Aircraft:	26.
Catapults:	4.

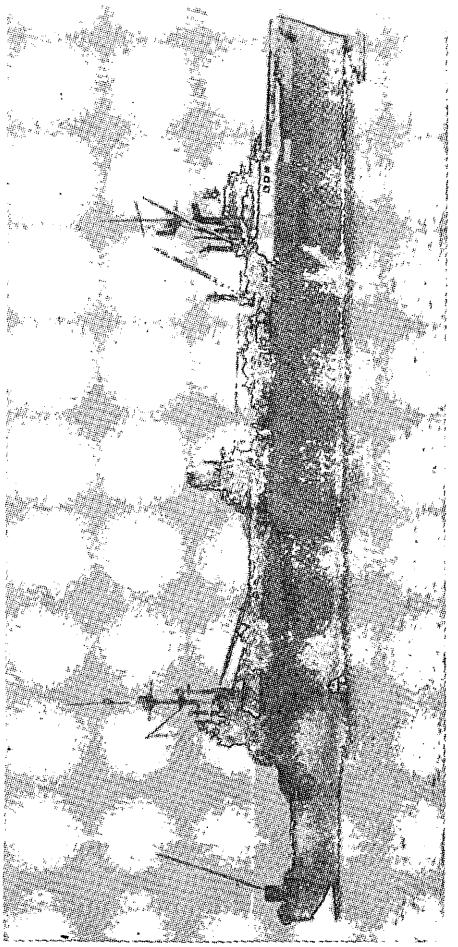
FRENCH
NAVY





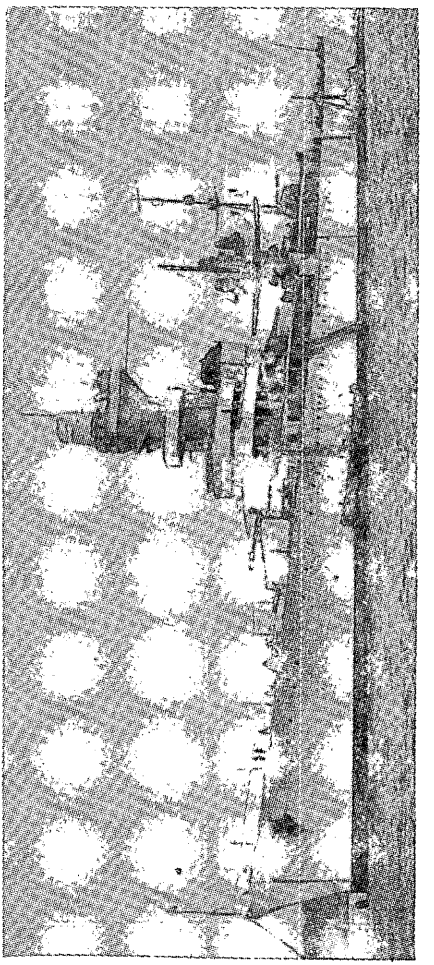
Seaplane Tender COMMANDANT TESTE

Seaplane Tender
COMMANDANT TESTE



Seaplane Tender COMMANDANT TESTE

FRENCH NAVY



Heavy Cruiser ALGÉRIE

Heavy Cruiser
ALGÉRIE

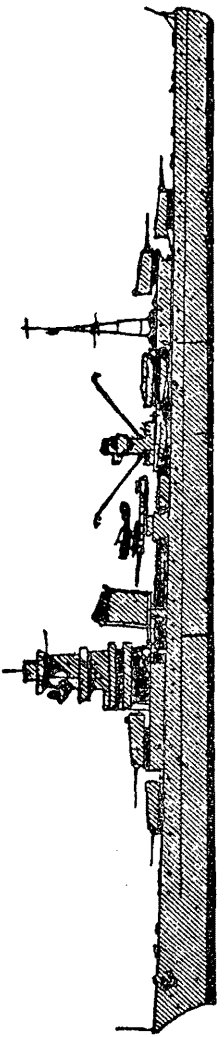


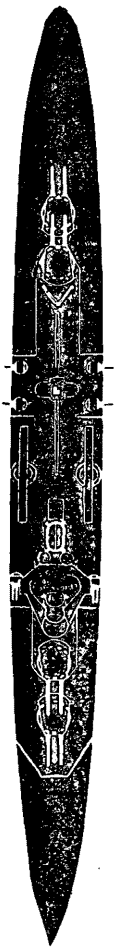
Heavy Cruiser ALGÉRIE

Under French control
ALGÉRIE

Description:	Displacement, 10,000 tons (standard).	
	Length, 617 feet (over all).	
	Beam, 65⅔ feet.	
	Draft, 24 feet (maximum).	
	Speed, 32 knots.	
Guns:	8	8-inch.
	12	3.9-inch AA.
	8	37-mm AA.
	16	caliber .50 AA MG.
Torpedo tubes:	6	21.7-inch (tripled).
Aircraft:	3.	
Catapults:	2.	

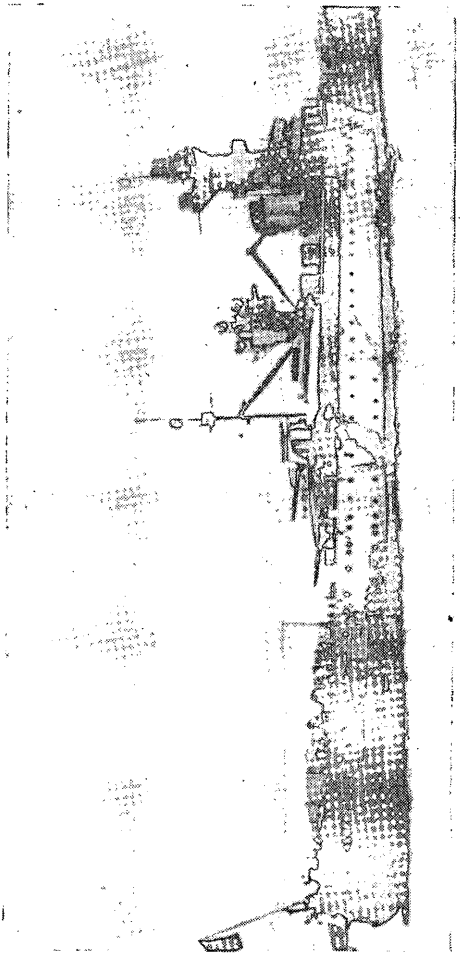
FRENCH
NAVY





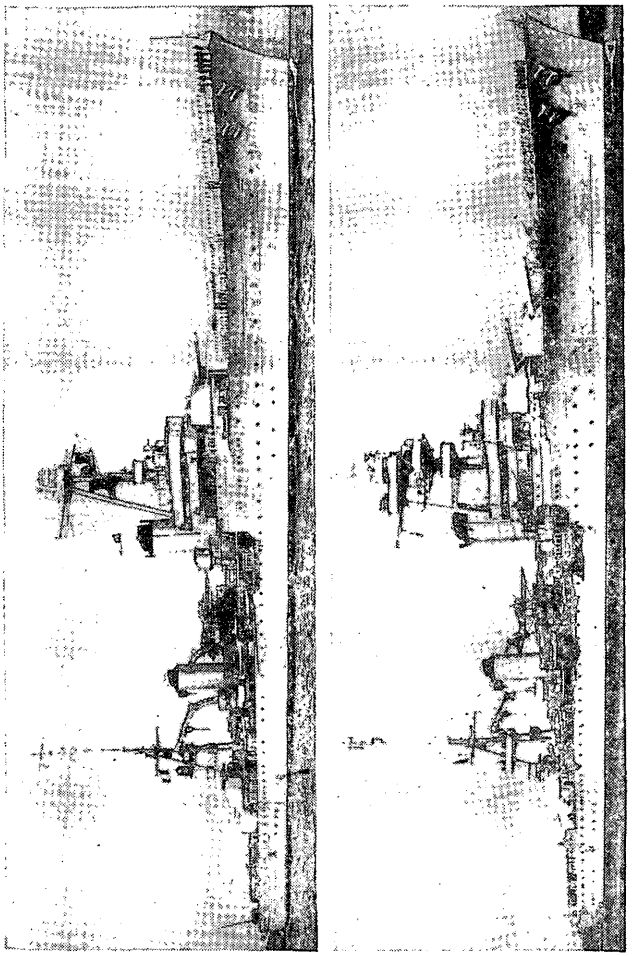
Heavy Cruiser ALGÉRIE

Heavy Cruiser
ALGÉRIE



Heavy Cruiser ALGÉRIE

FRENCH NAVY

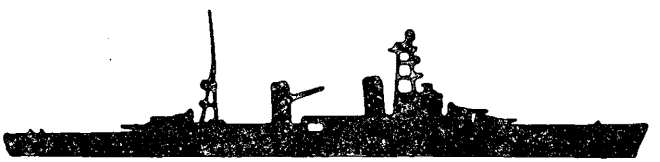


Heavy Cruisers DUPLEIX (upper) and FOCH (lower)

Heavy Cruisers
COLBERT CLASS



Heavy Cruisers DUPLEIX and COLBERT

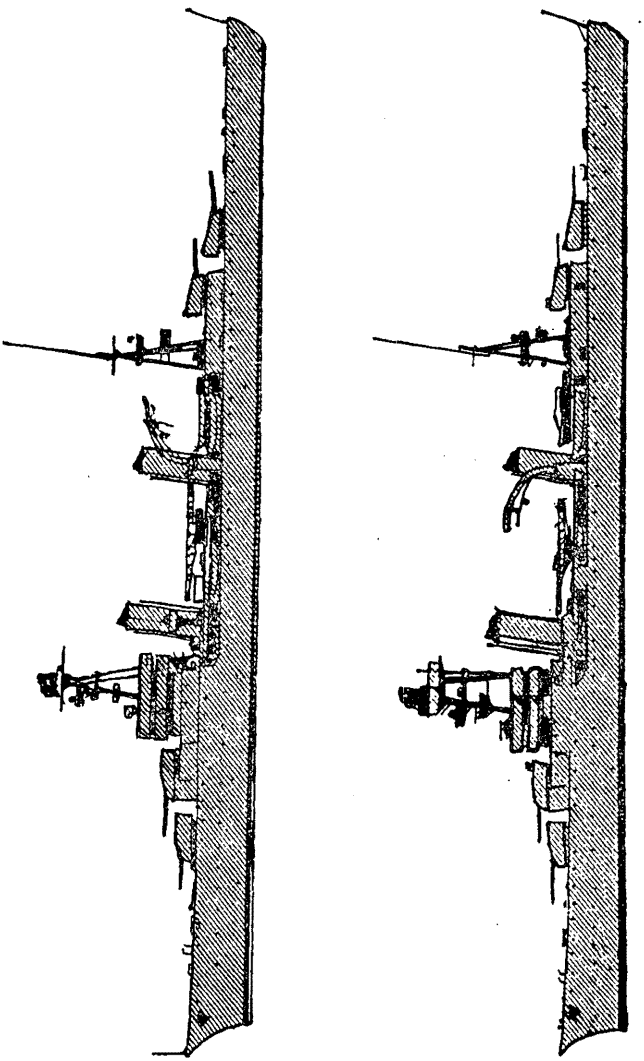


Heavy Cruiser FOCH

Under French control
DUPLEIX
FOCH
COLBERT

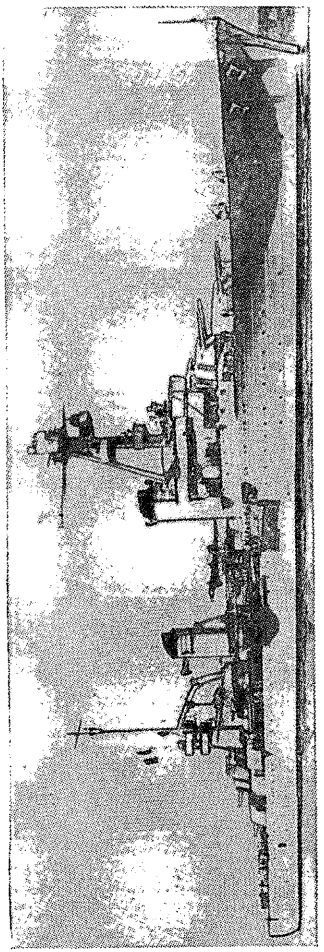
Description:	Displacement, 10,000 tons (standard).	
	Length, 637 feet (over all).	
	Beam, 63½ feet.	
	Draft, 24½ feet (maximum).	
	Speed, 32 knots.	
Guns:	8	8-inch.
	8	3.5-inch AA.
	8	37-mm AA.
	16	caliber .50 AA MG.
Torpedo tubes:	6	21.7-inch (tripled).
Aircraft:	3.	
Catapults:	2.	

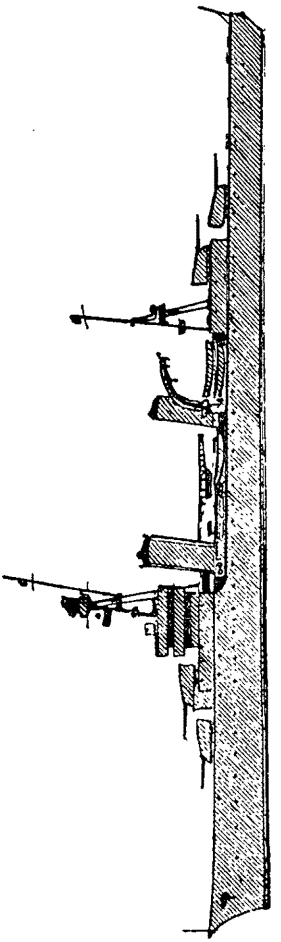
FRENCH
NAVY



Heavy Cruisers DUPLEIX (upper) and FOCH (lower)

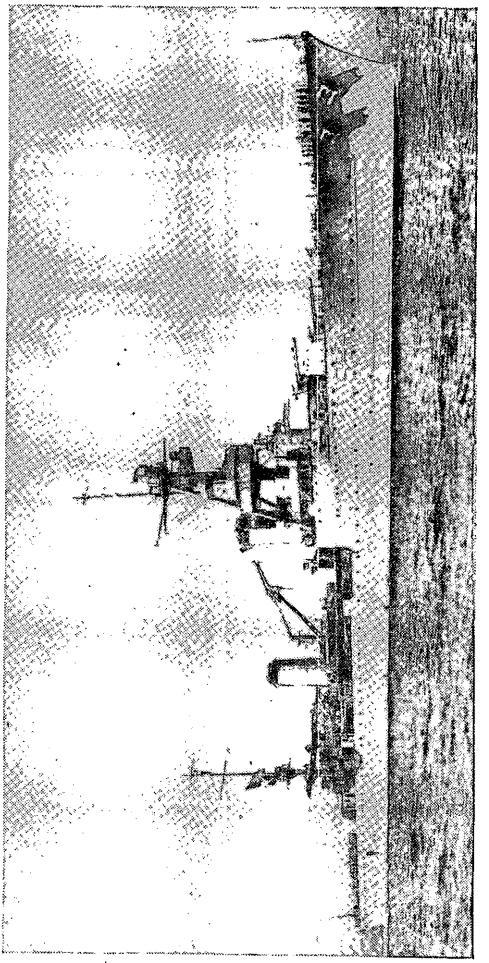
Heavy Cruisers
COLBERT CLASS





Heavy Cruiser COLBERT

FRENCH NAVY



Heavy Cruiser SUFFREN

Heavy Cruiser
SUFFREN



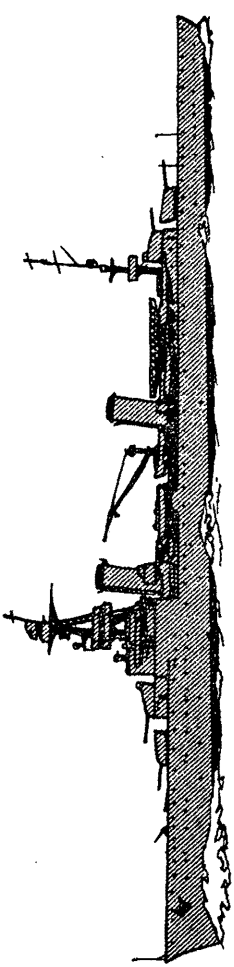
Heavy Cruiser SUFFREN

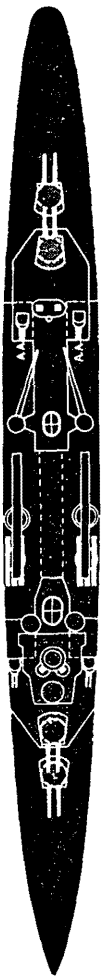
Not under French control
SUFFREN

Description:	Displacement, 10,000 tons (standard).	
	Length, 643 feet (over all).	
	Beam, 65⅔ feet.	
	Draft, 24½ feet (maximum).	
	Speed, 32 knots.	
Guns:	8	8-inch.
	8	3-inch AA.
	8	37-mm AA.
	12	caliber .50 AA MG.
Torpedo tubes:	6	21.7-inch (tripled).
Aircraft:	3.	
Catapults:	2.	

Appearance note: Similar in design to COLBERT CLASS.

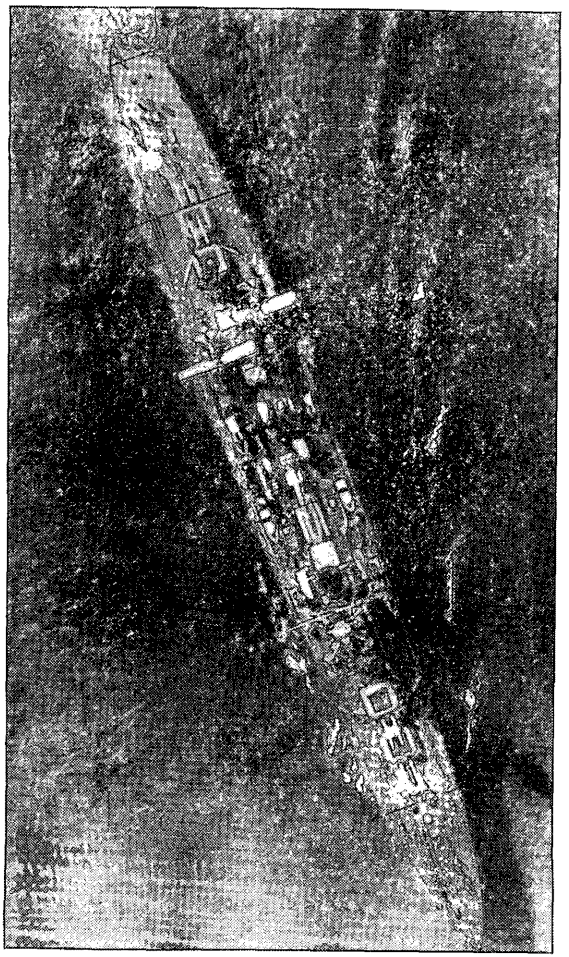
FRENCH NAVY





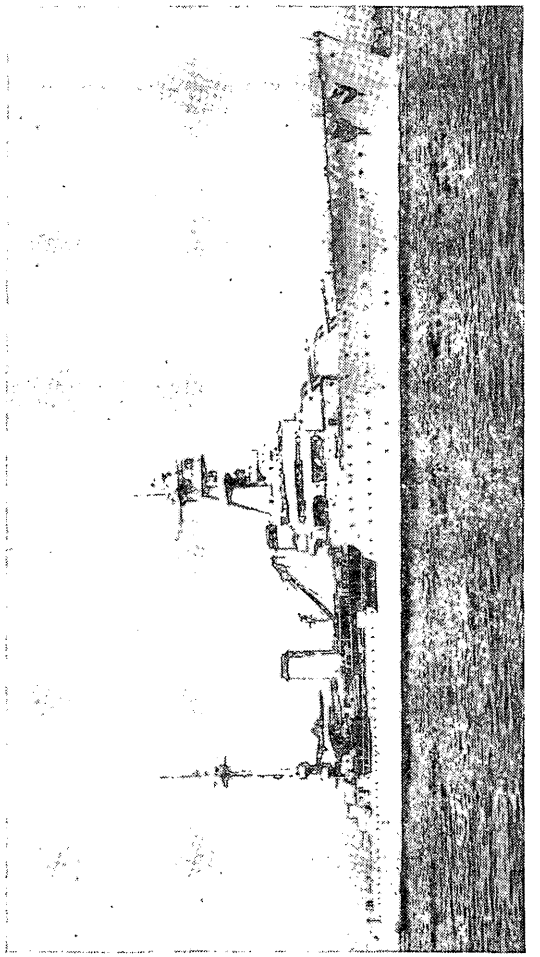
Heavy Cruiser SUFFREN

Heavy Cruiser
SUFFREN



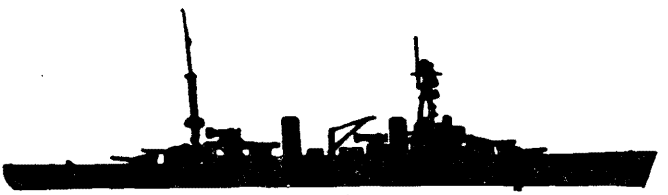
Heavy Cruiser SUFFREN

FRENCH NAVY



Heavy Cruiser TOURVILLE

Heavy Cruisers
TOURVILLE CLASS
(2 ships)

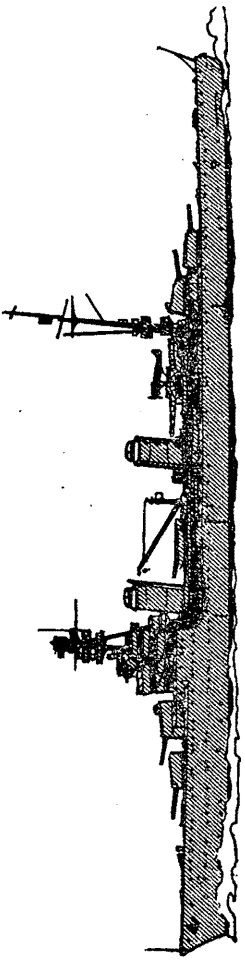


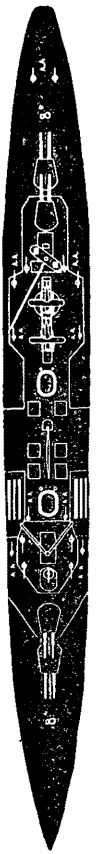
Heavy Cruisers DUQUESNE and TOURVILLE

Not under French control
DUQUESNE
TOURVILLE

Description:	Displacement, 10,000 tons (standard).
	Length, 626⅔ feet (over all).
	Beam, 62⅓ feet.
	Draft, 23 feet (maximum).
	Speed, 33.7 knots.
Guns:	8 8-inch.
	8 3-inch AA.
	8 37-mm AA.
	12 caliber .50 AA MG.
Torpedo tubes:	6 21.7-inch (in triple mountings above water).
Aircraft:	2.
Catapult:	1.

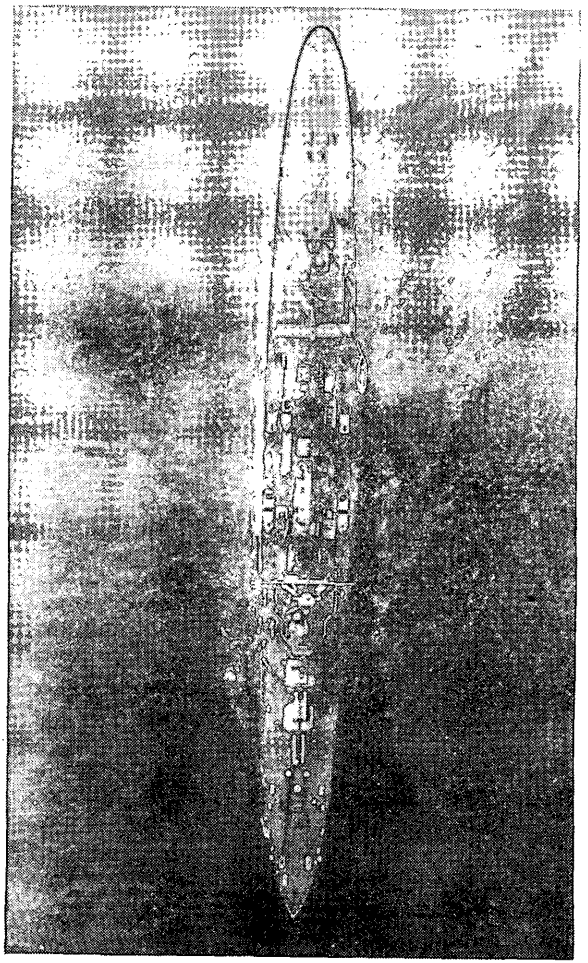
FRENCH
NAVY





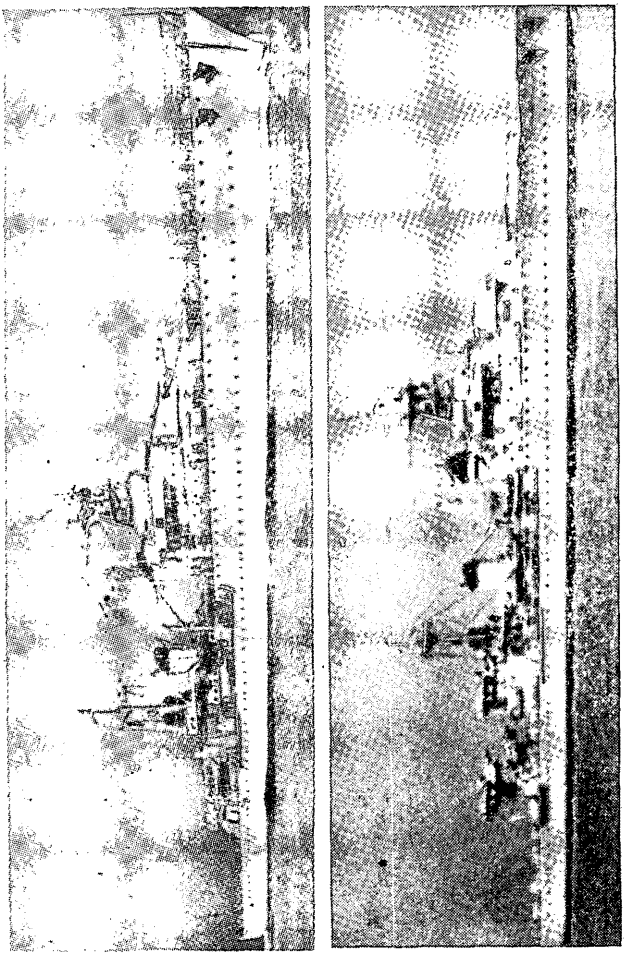
Heavy Cruisers TOURVILLE CLASS

Heavy Cruisers
TOURVILLE CLASS



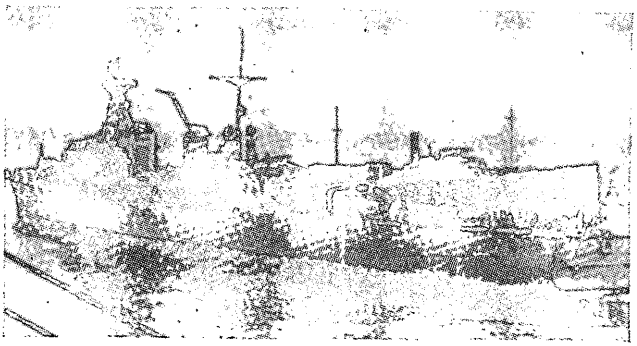
Heavy Cruiser DUQUESNE

FRENCH NAVY

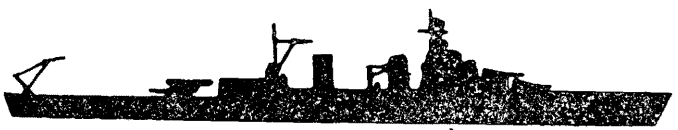


Light Cruiser LA GALISSONNIÈRE (upper) and GEORGES LEYGUES (lower)

Light Cruisers
LA GALISSONNIÈRE CLASS
(6 ships)



Light Cruiser JEAN DE VIENNE (note square stern)

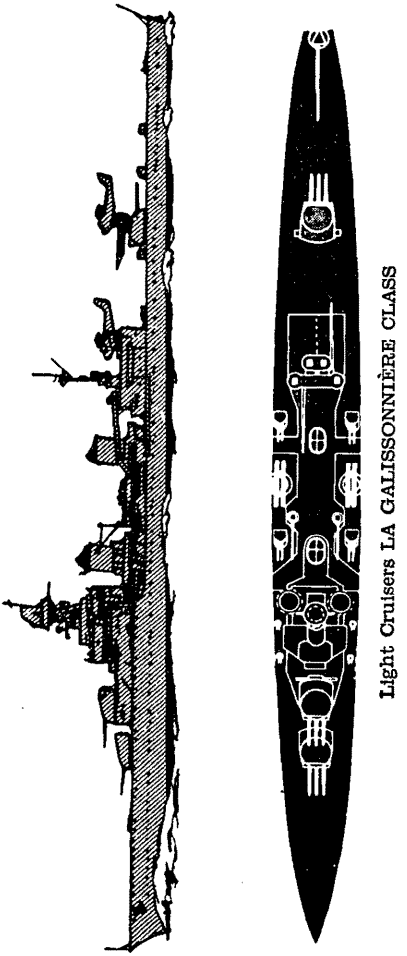


Light Cruisers of LA GALISSONIÈRE CLASS

Under French control
MARSEILLAISE
GLOIRE
MONTCALM
GEORGES LEYGUES
JEAN DE VIENNE
LA GALISSONNIÈRE

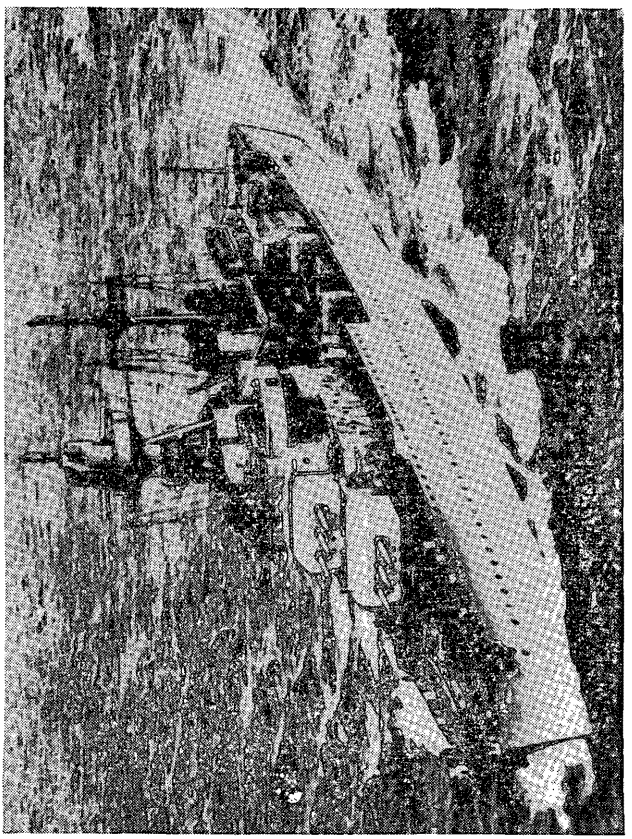
Description:	Displacement, 7,600 tons (standard).
	Length, 580¾ feet (over all).
	Beam, 57⅓ feet.
	Draft, 17⅓ feet (maximum).
	Speed, 31 knots.
Guns:	9 6-inch.
	8 3.5-inch AA.
	12 caliber .50 AA MG.
Torpedo tubes:	4 21.7-inch.
Aircraft:	4.
Catapult:	1 (mounted on after turret).

FRENCH
NAVY



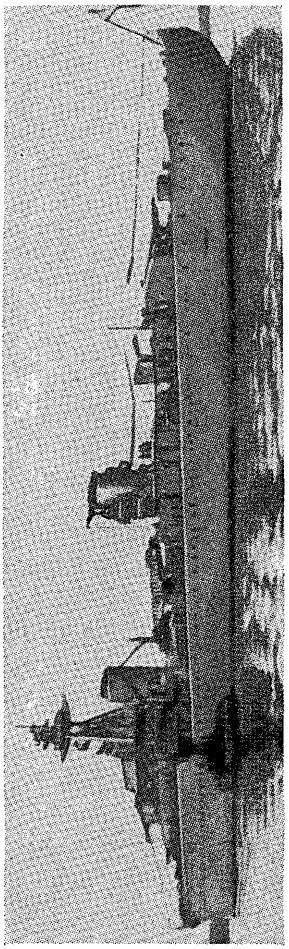
Light Cruisers LA GALISSONNIÈRE CLASS

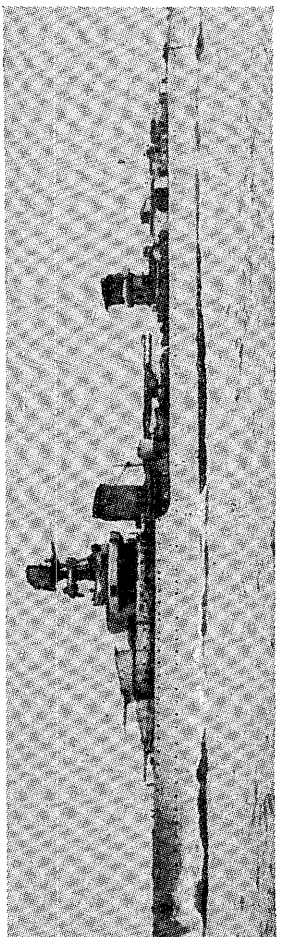
Light Cruisers
LA GALISSONNIÈRE CLASS



Light Cruiser GEORGES LEYGUES

FRENCH
NAVY





Light Cruiser-Mine Layer EMILE BERTIN

Light Cruiser (Mine Layer)
EMILE BERTIN

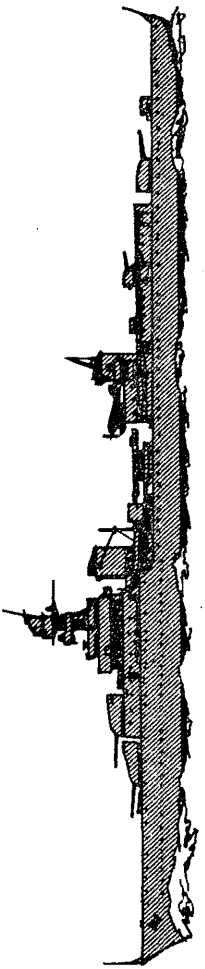


Light Cruiser-Mine Layer EMILE BERTIN

Under French control
EMILE BERTIN

Description:	Displacement, 5,886 tons (standard).
	Length, 580¾ feet (over all).
	Beam, 51¾ feet.
	Draft, 17¾ feet (maximum).
	Speed, 34 knots.
Guns:	9 6-inch.
	4 3.5-inch AA.
	4 37-mm AA.
	6 caliber .50 AA MG.
Torpedo tubes:	6 21.7-inch (tripled).
Aircraft:	2.
Catapults:	1.
Mines:	200 (unofficial).

FRENCH
NAVY





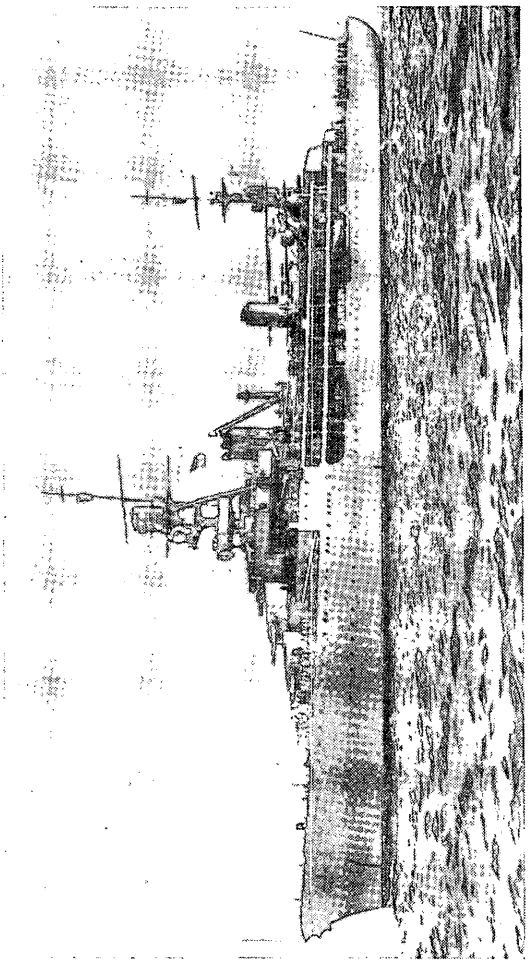
Light Cruiser-Mine Layer EMILE BERTIN

Light Cruiser (Mine Layer)
EMILE BERTIN



Light Cruiser-Mine Layer EMILE BERTIN

FRENCH NAVY



Light Training Cruiser JEANNE D'ARC

Light Training Cruiser
JEANNE D'ARC

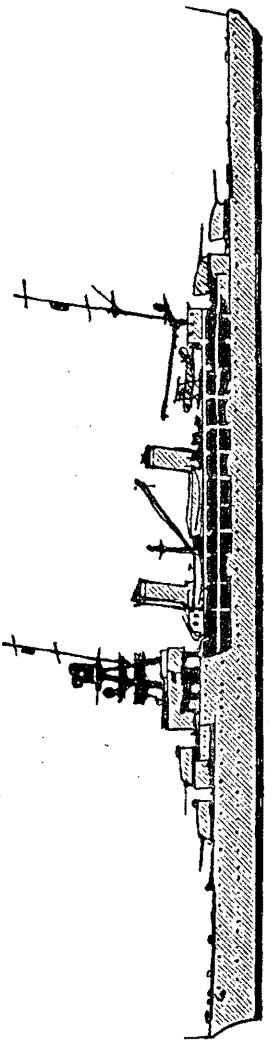


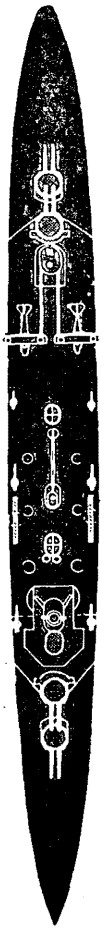
Light Training Cruiser JEANNE D'ARC

Under French control
JEANNE D'ARC

Description:	Displacement, 6,496 tons (standard).
	Length, 557¾ feet (over all).
	Beam, 57½ feet.
	Draft, 20⅔ feet (maximum).
	Speed, 28 knots.
Guns:	8 6.1-inch.
	4 3-inch AA.
	6 37-mm AA.
Torpedo tubes:	2 21.7-inch.
Aircraft:	2 (handled by crane).

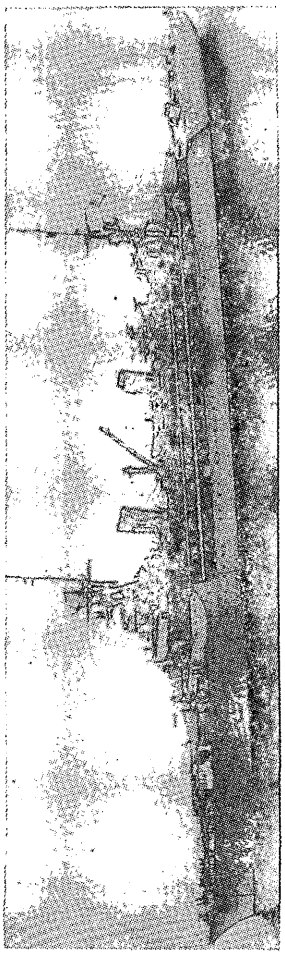
FRENCH NAVY





Light Training Cruiser JEANNE D'ARC

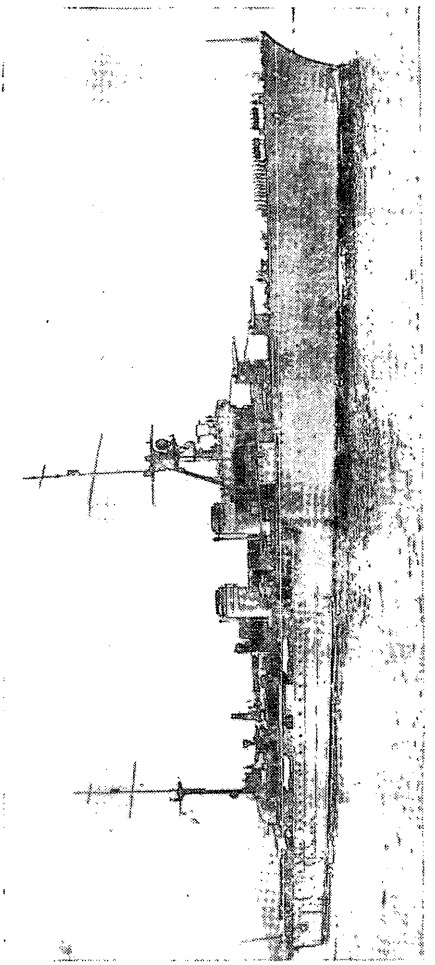
Light Training Cruiser
JEANNE D'ARC





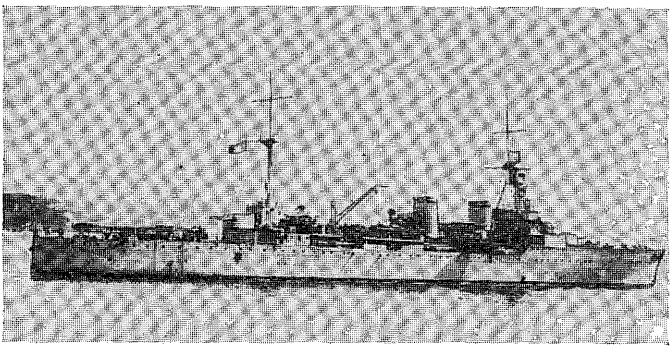
Light Training Cruiser JEANNE D'ARC

FRENCH
NAVY



Light Cruiser DUGUAY-TROUIN

Light Cruisers
DUGUAY-TROUIN CLASS
(3 ships)



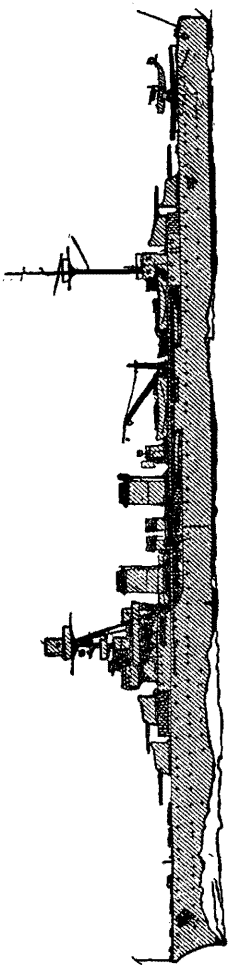
Light Cruiser LAMOTTE-PICQUET

Under French control
PRIMAUGUET
LAMOTTE-PICQUET

Not under French control
DUGUAY-TROUIN

Description:	Displacement, 7,249 tons (standard).
	Length, 594¾ feet (over all).
	Beam, 57½ feet.
	Draft, 20⅔ feet (maximum).
	Speed, 34 knots.
Guns:	8 6.1-inch.
	4 3-inch AA.
	4 caliber .50 AA MG.
Torpedo tubes	12 21.7-inch (tripled, above water).
Aircraft:	2.
Catapult:	1 (mounted on quarter-deck).

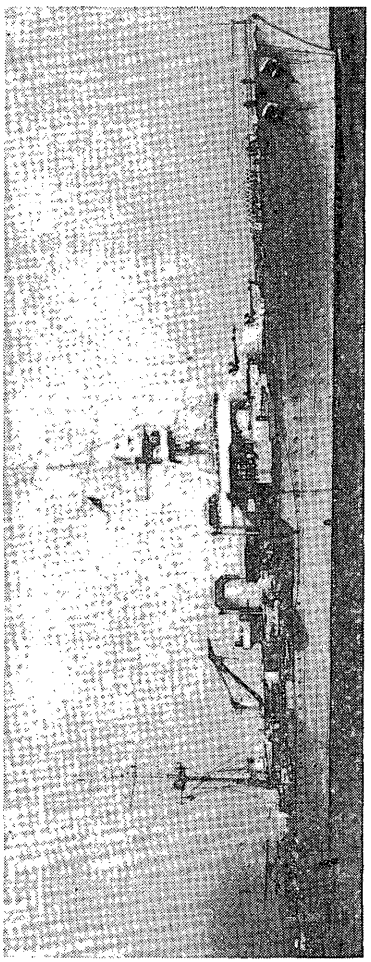
FRENCH
NAVY





Light Cruisers DUGUAY-TROUIN CLASS

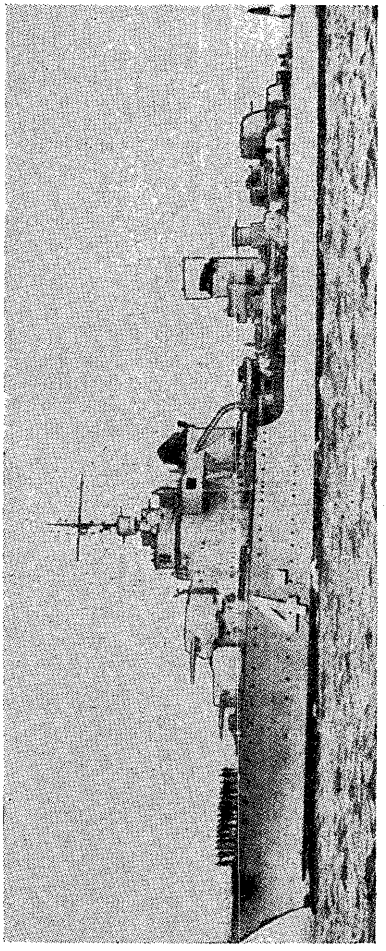
Light Cruisers
DUGUAY-TROUIN CLASS





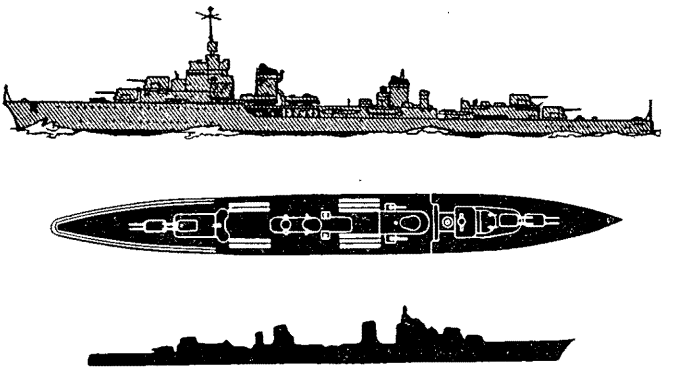
Light Cruiser PRIMAUGUET

FRENCH NAVY



Destroyer Leader MOGADOR

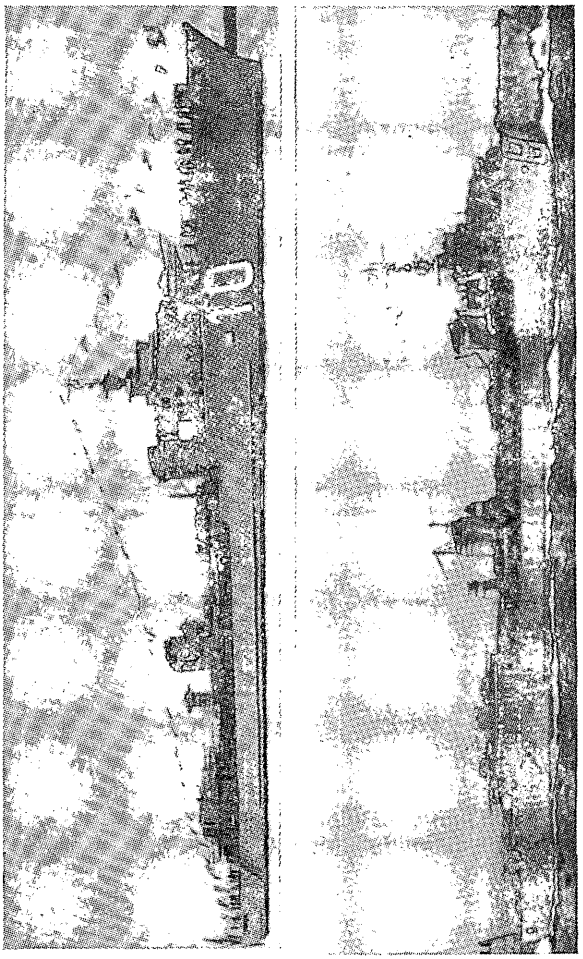
Destroyer Leaders
MOGADOR CLASS



Under French control
MOGADOR
VOLTA

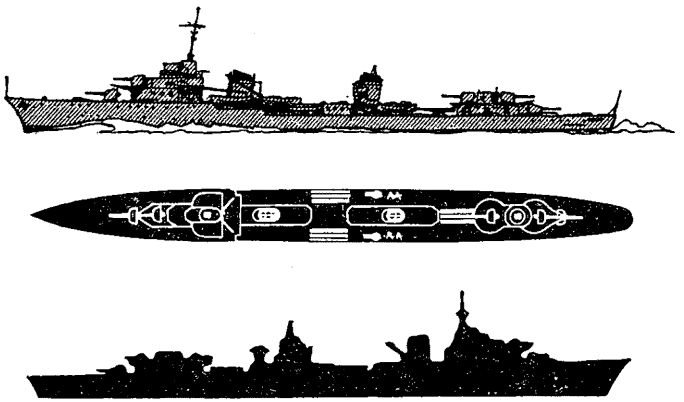
Description:	Displacement, 2,884 tons (standard).
	Dimensions, 451 by 41 by 14¾ feet (mean).
	Speed, 38 knots.
Guns:	8 5.4-inch.
	2 37-mm AA.
	6 caliber .50 AA MG.
Torpedo tubes:	10 21.7-inch (2 triple mounts and 2 pairs).

FRENCH NAVY



Destroyer Leaders LE FANTASQUE (upper) and LE TRIOMPHANT (lower)

Destroyer Leaders
FANTASQUE CLASS

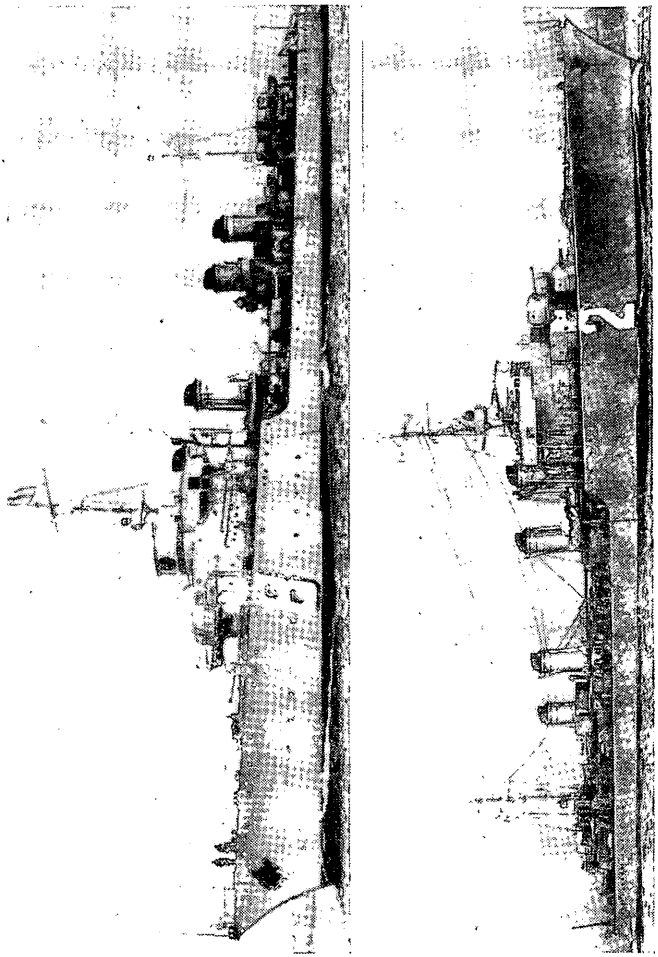


Under French control
LE MALIN
L'INDOMPTABLE
LE TERRIBLE
L'AUDACIEUX (damaged)
LE FANTASQUE

Not under French control
LE TRIOMPHANT

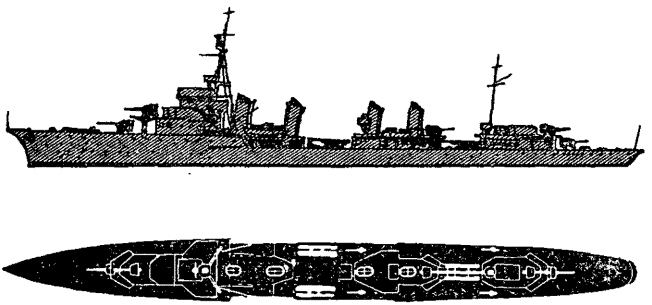
Description:	Displacement, 2,569 tons (standard).
	Dimensions, 434⅓ by 39⅓ by 14 feet.
	Speed, 37 knots.
Guns:	5 5.4-inch.
	4 37-mm AA.
	6 caliber .50 AA MG.
Torpedo tubes:	9 21.7-inch (tripled).

FRENCH NAVY



Destroyer Leaders VAUQUELIN (upper) and ALBATROS (lower)

Destroyer Leaders
AIGLE CLASS

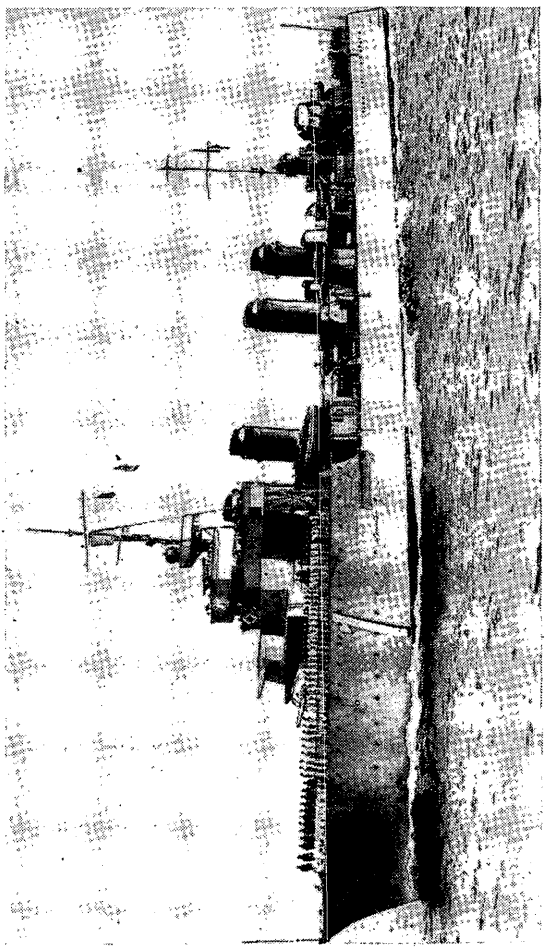


NOTE.—Stern should appear as in GUÉPARD CLASS.

Under French control
KERSAINT
VAUQUELIN
MILAN
EPERVIER
TARTU
CASSARD
GERFAUT
VAUTOUR
AIGLE
ALBATROS

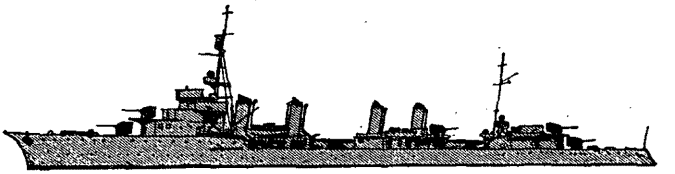
Description: Displacement, 2,441 tons (standard).
Dimensions, 423¼ by 40 by 16 feet.
Speed, 36 knots.
Guns: 5 5.4-inch.
1 3-inch AA.
4 37-mm AA.
4 caliber .50 AA MG.
Torpedo tubes: 7 21.7-inch (6 in last four).

FRENCH NAVY



Destroyer Leader VERDUN

Destroyer Leaders
GUÉPARD CLASS





Under French control
LION
VAUBAN
VERDUN
VALMY (damaged)
GUÉPARD (damaged)

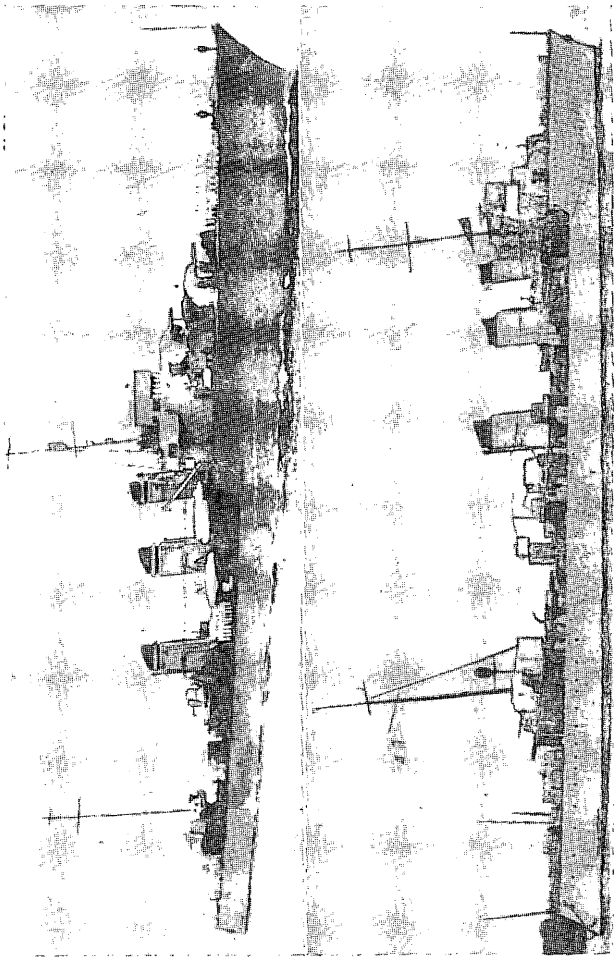
Description: Displacement, 2,436 tons (standard).
Dimensions, 427 by 39 by 15¾ feet.
Speed, 35.5 knots.

Guns: 5 5.4-inch.
4 37-mm AA.

Torpedo tubes: 6 21.7-inch.

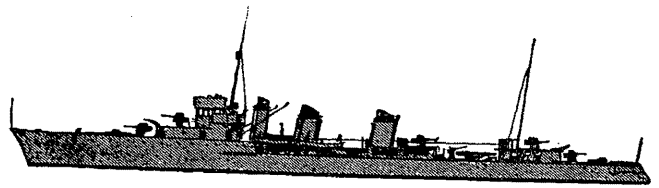
Appearance note: Close resemblance to ships of AIGLE CLASS.

FRENCH NAVY



Destroyer Leaders LYNX (upper) and LÉOPARD (lower)

Destroyer Leaders
TIGRE CLASS







Under French control
LYNX
PANTHÈRE
TIGRE

Not under French control
LÉOPARD

Description:	Displacement, 2,126 tons (standard).	
	Dimensions, 416 by 37½ by 17⅓ feet (maximum).	
	Speed, 35.5 knots.	
Guns:	5	5.1-inch.
	2	3-inch AA.
	8	caliber .50 AA MG.
Torpedo tubes:	6	21.7-inch.

FRENCH
NAVY

Destroyers
LE HARDI CLASS



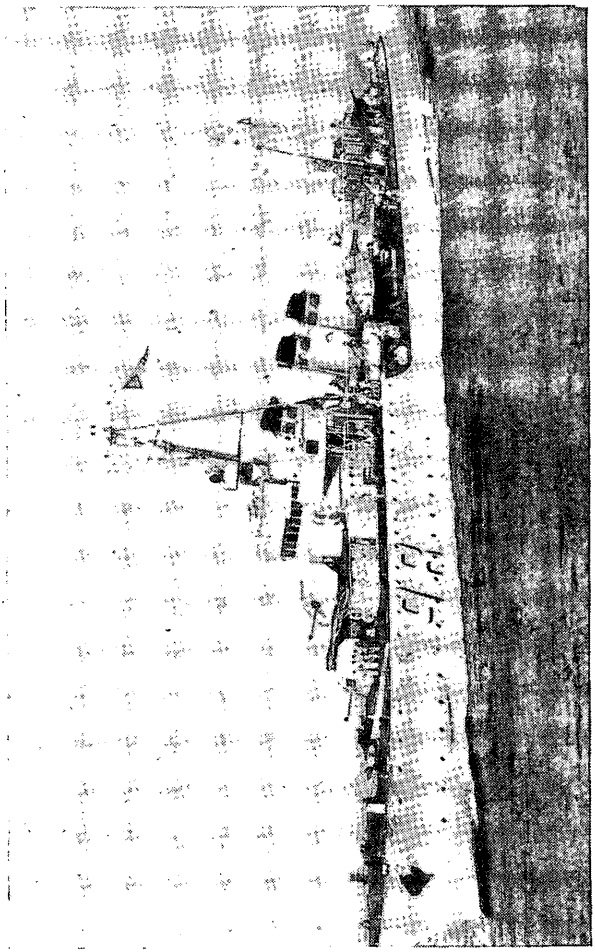




Under French control
CASQUE
LE HARDI
LANSQUENET
MAMELUCK
L'ADROIT (EX EPÉE)
FOUDROYANT (EX FLEURET)
SIROCO (EX LE CORSAIRE)
BISON (EX LE FLIBUSTIER)

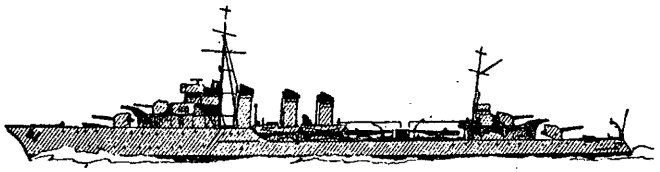
Description:	Displacement, 1,772 tons (standard).
	Dimensions, 333⅓ by 32½ by 11 feet (mean).
	Speed, 35 knots.
Guns:	6 5.1-inch.
	4 37-mm AA.
	4 caliber .50 AA MG.
Torpedo tubes:	7 21.7-inch.

FRENCH NAVY



Destroyer FORBIN

Destroyers
ALCYON CLASS



Under French control

FRONDEUR
BORDELAIS
FOUGUEUX
ALCYON
BOULONNAIS
BRESTOIS
LE MÂRS
LA PALME

Not under French control

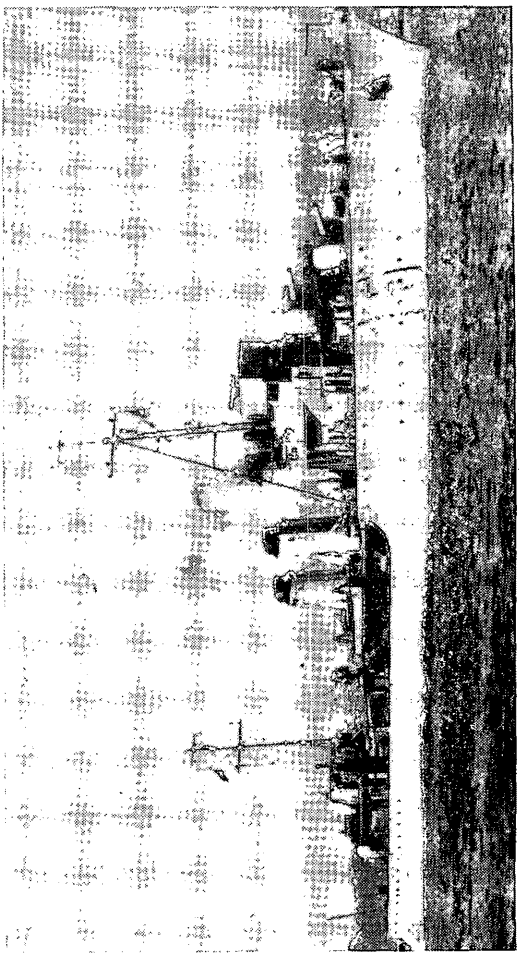
BASQUE
FORBIN
LE FORTUNÉ

Description: Displacement, 1,378 tons (standard).
Dimensions, 330.9 by 32¼ by 9½ feet.
Speed, 33 knots.

Guns: 4 5.1-inch.
2 37-mm AA on FRONDEUR, BORDELAIS, FOUGUEUX, ALCYON, BASQUE and FORBIN.
1 3-inch AA on BOULONNAIS, BRESTOIS, LE MÂRS, LA PALME, and LE FORTUNÉ.

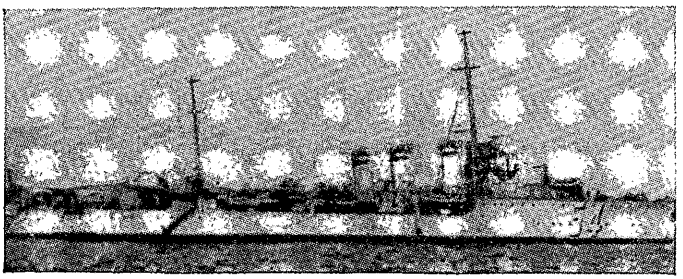
Torpedo tubes: 6 21.7-inch.

FRENCH NAVY

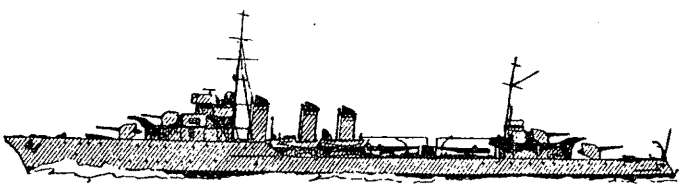


Destroyer OURAGAN

Destroyers
SIMOUN CLASS



Destroyer SIMOUN

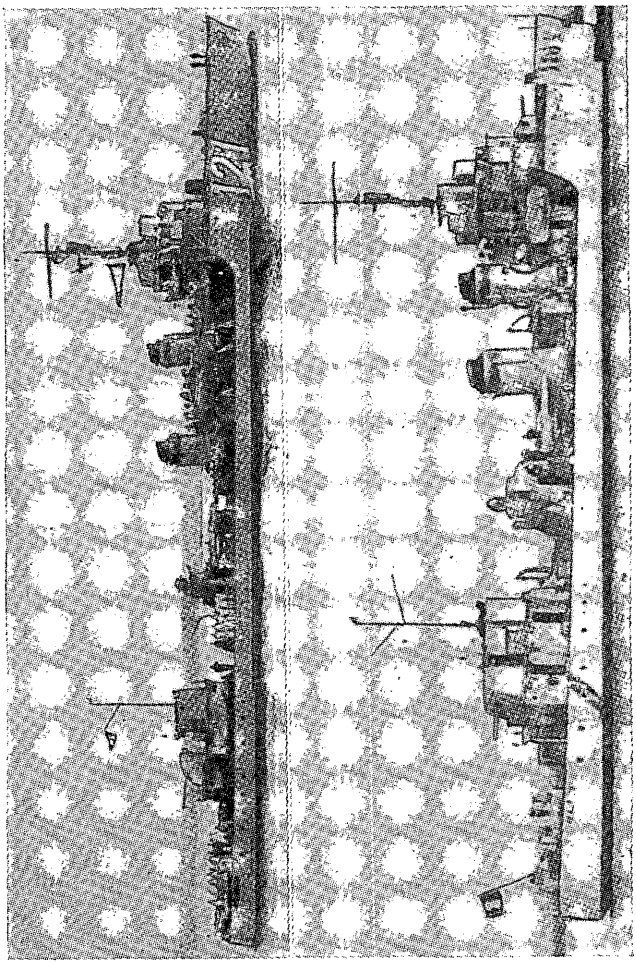




Under French control	*Not under French control*
TORNADE	MISTRAL
TYPHON	OURAGAN
TROMBE	
TEMPÊTE	
SIMOUN	
TRAMONTANE	

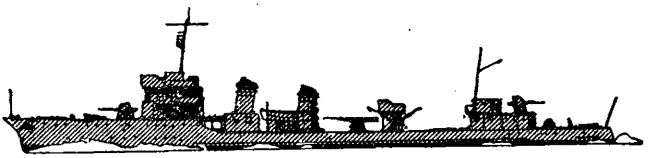
Description:	Displacement, 1,319 tons (standard).
	Dimensions, 347 by 33 by 13¾ feet.
	Speed, 33 knots.
Guns:	4 5.1-inch.
	1 3-inch AA.
	2 37-mm AA.
Torpedo tubes:	6 21.7-inch (tripled).

FRENCH NAVY



Destroyers LA POMONE (upper) and LA FLORE (lower)

Destroyers
(Torpedo Boats)
LA POMONE CLASS





Under French control
LA BAYONNAISE
BALISTE
LA POURSUIVANTE
BOMBARDE
LA POMONE
L'IPHIGENIE

Not under French control
BOUCLIER
L'INCOMPRISE
LA CORDÉLIÈRE
LA MELPOMÈNE
LA FLORE

Description: Displacement, 610 tons (standard).
Dimensions, 264¾ by 26 by 9¼ feet (mean).
Speed, 34.5 knots.

Guns: 2 3.9-inch.
2 37-mm AA.
4 caliber .50 AA MG.

Torpedo tubes: 2 21.7-inch.

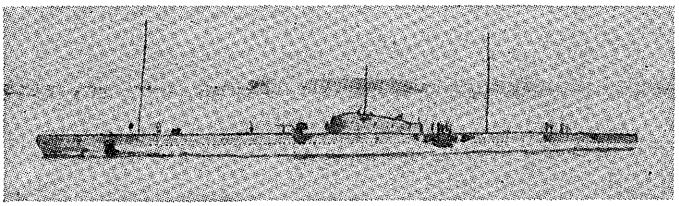
Submarines
AURORE CLASS
(Recent construction)

Under French control
AURORE

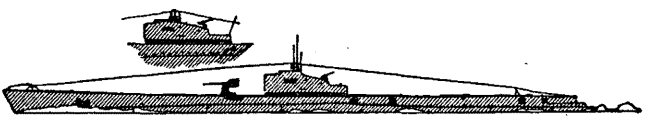
Not under French control
LA CREOLE

Description: Displacement, 805 tons (standard).
Dimensions, 241 by 21⅓ by 11½ feet.
Speed, 15 knots, surface; 9 knots, submerged.
Guns: 1 3.9-inch.
Torpedo tubes: 8 21.7-inch.

Submarines
REDOUTABLE CLASS



MONGE



Pascal type (REDOUTABLE, VENGEUR, as part sketch)

Under French control
*SIDI-FERRUCH
*BEVEZIERS
*CASABLANCA
*LE TONNANT
*LE CONQUERANT
*LE CENTAURE
*LE HÉROS
*LE GLORIEUX
*PÉGASE
MONGE
ARGO
ARCHIMEDE
L'ESPOIR
ACHERON
ACTÉON
FRESNEL
PASCAL
HENRI POINCARÉ
REDOUTABLE
VENGEUR

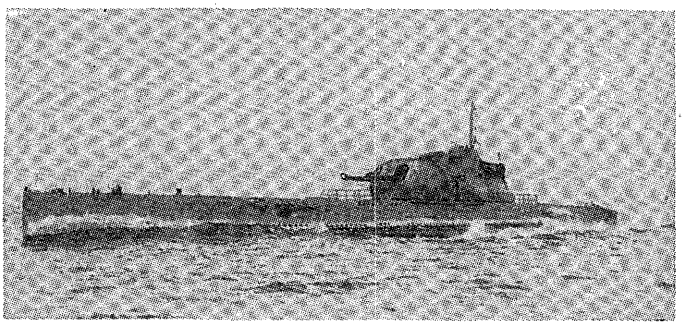
Not under French control
PROTÉE

Description: Displacement, 1,379 tons (standard).
Dimensions, 302½ by 27 by 16 feet.
Speed, 17 knots, surface; *18 knots, surface; 10 knots, submerged.

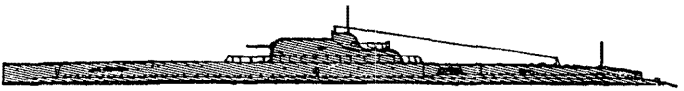
Guns: 1 3.9-inch.
1 37-mm AA.
1 caliber .50 AA MG.

Torpedo tubes: 11 21.7-inch.

Submarine
SURCOUF



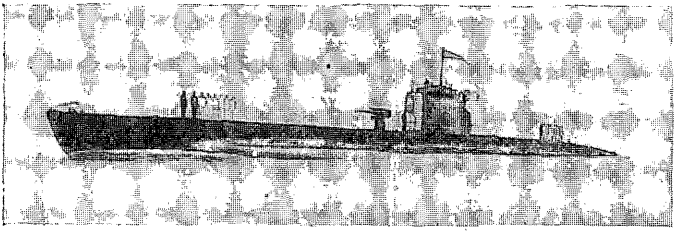
SURCOUF



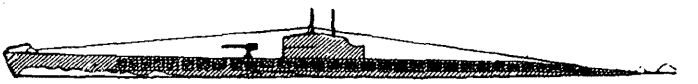
Not under French control
SURCOUF

Description:	Displacement, 2,880 tons (standard).
	Dimensions, 361 by 29½ by 23½ feet.
	Speed, 18 knots, surface; 10 knots, submerged.
Guns:	2 8-inch.
	2 37-mm AA.
	4 caliber .50 AA MG.
Torpedo tubes:	10 21.7-inch.
Aircraft:	1.

Submarines
REQUIN CLASS



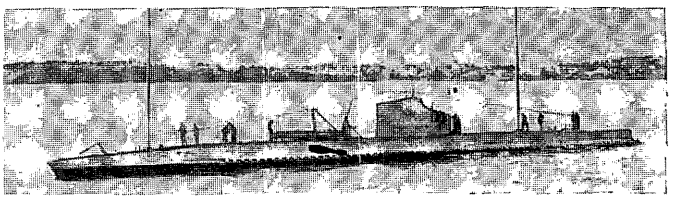
REQUIN



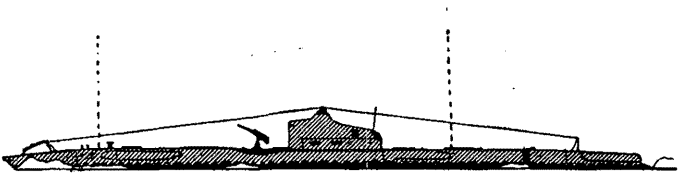
Under French control
CAÏMAN
PHOQUE
DAUPHIN
ESPADON
MARSOUIN
REQUIN

Description:	Displacement, 974 tons (standard). Dimensions, 257½ (p/p) by 23 by 17¾ feet. Speed, 16 knots, surface; 10 knots, submerged.	
Guns:	1	3.9-inch.
	2	caliber .50 AA MG.
Torpedo tubes:	10	21.7-inch (4 bow and 2 stern submerged; 4 above water before and abaft conning tower).

Submarines
DIANE CLASS—Part I
(Coastal Type)



ATALANTE



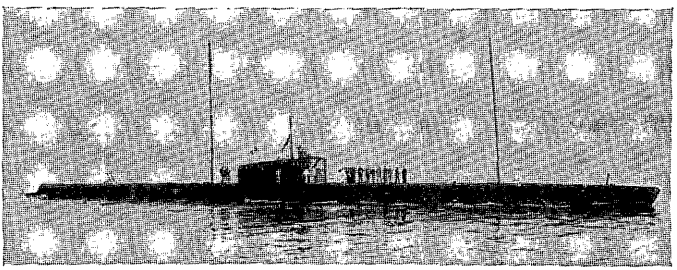
Under French control
Length, beam, draft: 211 by 20 by 13¾ feet.

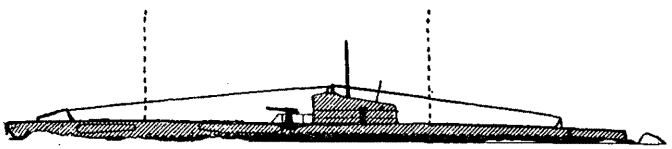
VÉNUS, 597 tons.
IRIS, 597 tons.
LA SYBILLE, 571 tons.
LA PSYCHÉ, 571 tons.
AMAZONE, 571 tons.
ORÉADE, 571 tons.
AMPHITRITE, 571 tons.
ANTIOPE, 571 tons.
DIANE, 571 tons.
MÉDUSE, 571 tons.
ORPHÉE, 571 tons.
LA SULTANE, 565 tons.
LA VESTALE, 565 tons.
Length, beam, draft:
221 by 18½ by 15 feet.
CÉRÈS, 597 tons.
PALLAS, 597 tons.
Length, beam, draft:
208 by 21 by 13¾ feet.
ARÉTHUSE, 565 tons.
ATALANTE, 565 tons.
ARGONAUTE, 565 tons.

Description: Speed, 14 knots, surface; 9 knots, submerged.
Guns: 1 3-inch AA.
1 caliber .50 AA MG.
Torpedo tubes: 8 21.7-inch
(7 21.7-inch and
2 15.7-inch VÉNUS, IRIS, CÉRÈS, and PALLAS).

Submarines
DIANE CLASS—Part II
(Coastal Type)

(Part I and part II differ only in minor details.)





Not under French control

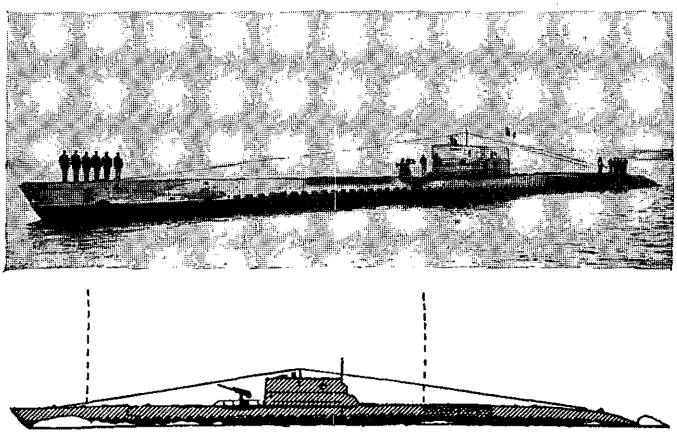
Length, beam, draft:
211 by 20 by 13¾ feet.
JUNON, 597 tons.
MINERVE, 597 tons.

Length, beam, draft:
219 by 22 by 15 feet.
ONDINE, 558 tons.
ORION, 558 tons.

Description:	Speed, 14 knots, surface; 9 knots, submerged.
Guns:	1 3-inch AA.
	1 caliber .50 AA MG.
Torpedo tubes:	8 21.7-inch on ONDINE and ORION;
	7 21.7-inch and
	2 15.7-inch on JUNON and MINERVE.

Submarines
SIRÈNE CLASS—Part I
(Coastal Type)

(Part I and part II differ only in minor details.)



SIRÈNE GROUP

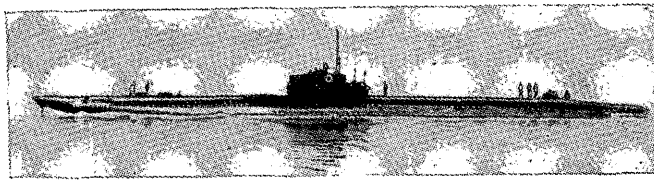
Under French control
SIRÈNE
GALATÉE
NAÏADE

Description:	Displacement, 548 tons.
	Dimensions 210 (p/p) by 21 by 14¾ feet.
	Speed, 14 knots, surface; 7.5 knots, submerged.
Guns:	1 3.9-inch AA.
	2 caliber .50 AA MG.
Torpedo tubes:	7 21.7-inch.

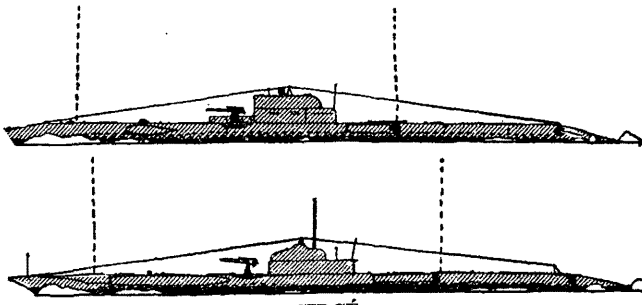
Submarines

SIRÈNE CLASS—Part II

(Coastal Type)



ARIANE



CIRCÉ

ARIANE GROUP

Under French control

Group No. 1	Group No. 2
CIRCÉ	ARIANE
CALYPSO	DANÄÉ
THETIS	EURYDICE

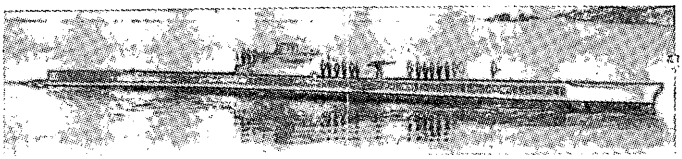
Description: Group No. 1—
Displacement, 552 tons.
Dimensions, 204½ (p/p) by 21⅓ by 12¾ feet.
Speed (surface), 14 knots; (submerged), 7.5 knots.

Group No. 2—
Displacement, 576 tons.
Dimensions, 216½ by 20⅓ by 13½ feet.
Speed (surface), 14 knots; (submerged), 7.5 knots.

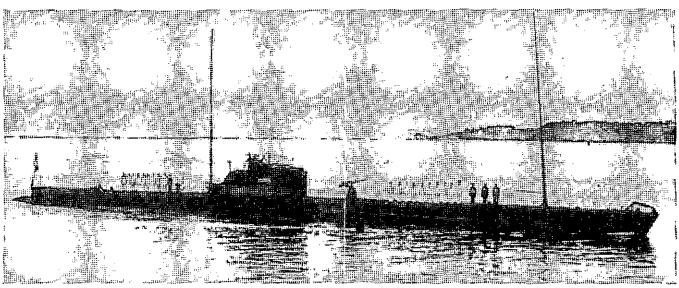
Guns: 1 3.9-inch.
2 caliber .50 AA MG.

Torpedo tubes: 7 21.7-inch.

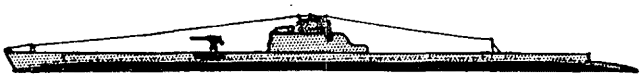
Submarines (Mine Layers)
SAPHIR CLASS



TURQUOISE



RUBIS



SAPHIR CLASS

Under French control	*Not under French control*
PERLE	RUBIS
DIAMANT	
NAUTILUS	
SAPHIR	
TURQUOISE	

Description: Displacement, 669 tons (standard).
Dimensions, 216½ by 23⅔ by 16 feet.
Speed (surface), 12 knots; (submerged), 9 knots.

Guns: 1 3-inch AA.

Torpedo tubes: 5 21.7-inch.

32 mines stowed in outer ballast tanks.

APPENDIX I

LIST OF SHIPS

Under French Control

Battleships:
- Richelieu (damaged)
- Jean Bart (77 percent completed)
- Dunkerque (damaged)
- Strasbourg
- Provence

Aircraft carrier:
- Béarn

Seaplane tender:
- Commandant Teste

Heavy cruisers:
- Algérie
- Dupleix
- Foch
- Colbert

Light cruisers:
- Marseillaise
- Gloire
- Montcalm
- Georges Leygues
- Jean De Vienne
- La Galissonnière
- Emile Bertin
- Jeanne D'Arc
- Primauguet
- Lamotte-Picquet

Destroyer leaders:
- Mogador
- Volta
- Le Malin
- L'Indomptable
- Le Terrible
- L'Audacieux (damaged)
- Le Fantasque
- Kersaint

Destroyer leaders.—Continued.
- Vauquelin
- Milan
- Epervier
- Tartu
- Cassard
- Gerfaut
- Vautour
- Aigle
- Albatros
- Lion
- Vauban
- Verdun
- Valmy (damaged)
- Guépard (damaged)
- Lynx
- Panthère
- Tigre

Destroyers:
- Casque
- Le Hardi
- Lansquenet
- Mameluck
- L'Adroit
- Foudroyant
- Siroco
- Bison
- Frondeur
- Bordelais
- Fougueux
- Alcyon
- Boulonnais
- Brestois
- Le Mârs
- La Palme
- Tornade

Under French Control—Continued

Destroyers.—Continued.
- Typhon
- Trombe
- Tempête
- Simoun
- Tramontane
- La Bayonnaise
- Baliste
- La Poursuivante
- Bombarde
- La Pomone
- L'Iphigenie

Submarines:
- Sidi-Ferruch
- Beveziers
- Casablanca
- Le Tonnant
- Le Conquerant
- Le Centaure
- Le Héros
- Le Glorieux
- Pégase
- Monge
- Argo
- Archimede
- L'Espoir
- Acheron
- Actéon
- Fresnel
- Pascal
- Henri Poincaré
- Redoutable
- Vengeur
- Caïman
- Phoque
- Dauphin
- Espadon

Submarines—Continued.
- Marsouin
- Requin
- Vénus
- Iris
- La Sybille
- La Psyché
- Amazone
- Oréade
- Amphitrite
- Antiope
- Diane
- Méduse
- Orphée
- La Sultane
- La Vestale
- Cérès
- Pallas
- Aréthuse
- Atalante
- Argonaute
- Sirène
- Galatée
- Naïade
- Circé
- Calypso
- Thetis
- Ariane
- Danäé
- Eurydice
- Perle
- Diamant
- Nautilus
- Saphir
- Turquoise
- Aurore

Not Under French control

Battleships:
- Lorraine
- Paris
- Courbet

Heavy cruisers:
- Suffren
- Duquesne
- Tourville

Light cruiser:
- Duguay-Trouin

Destroyer leaders:
- Le Triomphant
- Leopard

Destroyers:
- Basque
- Forbin
- Le Fortuné

Destroyers—Continued.
- Mistral
- Ouragan
- Bouclier
- L'Incomprise
- La Cordélière
- La Melpomène
- La Flore

Submarines:
- Protée
- Surcouf
- Junon
- Minerve
- Ondine
- Orion
- Rubis
- La Creole

APPENDIX II

FRENCH NAVAL GUNS

Caliber (inches)	Model	Length (calibers)	Weight of gun (metric tons)	Weight of projectile (pounds)	Weight of charge (pounds)	Pressure (kilograms per square centimeter)	Initial velocity (feet per second)
13.4	1912	45	66.3	1,219	332	2,800	2,604
13	1933	52	.....	1,188	.....	.....	3,480
12	1906–10	45	54.02	950	277	2,400	2,568
8	1924	50	20.72	271	103	2,750	2,788
6.1	1920	50	8.53	123	43	3,050	2,788
6	1930	55	8.13	119	37	3,200	2,854
5.5	1929	50	4.11	88	.....	.....	2,821
	1923	40	4.11	88	20	2,500	2,296
	1910	55	5.3	86	24	2,500	2,722
5.1	1924	40	3.87	70	18	2,420	2,408
	1919	40	4.39	70	18	2,420	2,408
3.9	1917	45	1.56	31	9	2,300	2,362
3.5	1926	50	1.60	21	7	3,200	2,788
3	1924	50	1.09	13	4	2,560	2,788
1.5	1925	50	.16	1.65	.55	2,400	2,788

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