

ORDINARY SIGNALMEN AND SIGNALMEN.

Syllabus of Instruction.

Duration of course 30 days.

3 days examination.

Total - - 33 days.

2. Semaphore, once daily—rate 20 words a minute.

Flag-waving " " 12 " "

Flashing " " 10 " "

The sending in these three instructions is to be done entirely by the class, each rating taking it in turn, except on Fridays, when the instructor is to send, from which exercise the weekly percentage will be arrived at.

3. Read a night exercise from a truck lamp, according to percentage obtained the previous week.
4. Flag signalling. Three-quarters of an hour at XP.1.
Four days a week.
5. Marching manœuvres. Quarter of an hour daily.

6. Sounder and buzzer. One exercise of each daily.
7. Gymnastics. Two hours a week.
8. School. One hour a week.
9. Instruction in the method of working the searchlight, cruiser arc, and other lamps.

Subject.	Examination.					Marks.
Semaphore -	-	-	-	-	-	100
Flag-waving	-	-	-	-	-	100
Lamp -	-	-	-	-	-	100
Sounder	-	-	-	-	-	100
Buzzer -	-	-	-	-	-	100
Signal books	Part I.	-	-	-	-	200
	Part II.	-	-	-	-	200
	Part III.	-	-	-	-	200
Total -						1,100

Percentage required for passing, as laid down.

SIGNALMEN AND ORDINARY SIGNALMEN—WEEKLY SYLLABUS.

First Week :—

- 1st Day.—Single flags, pendants, and substitutes
- 2nd Day.—Instructions relating to flag signalling.
- 3rd Day.—Distinguishing signals.
- 4th Day.—Definitions.
- 5th Day.—Résumé.

Second Week :—

- 1st Day
 - 2nd Day
 - 3rd Day
 - 4th Day
 - 5th Day
- } Instructions for the conduct of a fleet by day,
at night, in a fog, and in action.

Third Week :—

- 1st Day.—Organisation.
 - 2nd Day
 - 3rd Day
 - 4th Day
 - 5th Day.—Résumé.
- } Instructions relating to flashing signals,
sound signals with executives, forming and
disposing, equal speed and stationing
signals.

Fourth Week :—

- 1st Day.—Use of alter course pendants and alter course table.
- 2nd Day.—Questions on cruiser instructions and signals.
- 3rd Day.—Single flag tables, speed and helm signals.
- 4th Day.—Explanation of the Flotilla Signal Book and Long Distance Wireless Code.

5th Day.—Résumé.

Fifth Week :—

1st Day.—Signalling between Navy and Army ; Helio-graph.

2nd Day.—International Code and British Signal Manual.

3rd Day.—Dress signals and questions on the Boats Signal Book.

4th Day.—Foreign ensigns and principal Admiral's flags.

5th Day.—Résumé.

Sixth Week :—

1st Day.—Questions on the Vocabulary Signal Book and the Long Distance Wireless Code.

2nd Day.—Questions on rule of the road.

3rd Day.—Extra subjects.

4th Day } GENERAL RESUME.

5th Day }

LEADING SIGNALMEN, YEOMEN, AND CHIEF YEOMEN.

Syllabus of Instruction.

Duration of Course :—

Leading signalmen not passed for Yeoman, to qualify for Yeoman	{	30 days
		4 days examination
		—
		34 days
		20 days sounder and buzzer
		—
		54 days.

Note.—The 20 days for sounder and buzzer are given to those men who have passed their Signal Book and visual examination for Yeomen, and sounder and buzzer for Leading signalman.

To Requalify :—

Leading signalmen (not passed for Yeomen).	{	20 days books.
Leading signalmen (passed for Yeomen).		10 days sounder and buzzer.
Yeomen (not passed for Chief Yeomen).		3 days examination.
Yeomen (passed for Chief Yeomen) - Chief Yeomen of signals		—
		33 days Total.

2. Semaphore once daily—rate 20 words a minute.

Flag-waving " " 12 " "

Flashing " " 10 " "

The sending in these instructions is to be done entirely by the class, each rating taking it in turn

- except on Fridays, when the instructor is to send, from which exercise the weekly percentage will be arrived at.
3. Read a night exercise made on truck lamp according to percentage obtained the previous week.
 4. Flag signalling. Three-quarters of an hour at XP. 1. Four days a week.
 5. Marching manœuvres. Quarter of an hour daily.
 6. Gymnastics. Leading signalmen one hour a week.
 7. Instruction in the Searchlight, Cruiser Arc, and other lamps.
 8. Sounder and buzzer. One exercise of each daily, during Signal Book instruction.

Examination.

Subject.	Marks.
Semaphore - - -	100
Flag-waving - - -	100
Lamp - - -	100
Sounder - - -	100
Buzzer - - -	100
Signal Books {	Part I. - 200
	Part II. - 200
	Part III. - 200
	Extra paper - 100
	— For Yeomen and Chief Yeomen only.
	<u>1200</u>

Percentage required for passing, as laid down.

LEADING SIGNALMEN, YEOMEN, AND CHIEF YEOMEN.

Weekly Syllabus.

First Week:—

- 1st Day.—Single flags and pendants. International Code and meanings.
- 2nd Day.—Foreign ensigns (men-of-war and merchant vessels). Vessels entitled to fly the Blue Ensign.
- 3rd Day.—Admirals' flags. Flags for military and diplomatic officers. Distinguishing badges of British naval and military officers.
- 4th Day.—Sizes of flags allowed to ships according to class. Number of sets allowed. What comprises a full set. Number of ensigns and jacks allowed to ships, with breadths.
- 5th Day.—Résumé.

Second Week :—

- 1st Day.—Navy and military equivalent ranks. Gun salutes. Various forms used in signalling work.
- 2nd Day.—Definitions. General contents of books. Picking out signals. Instructions for dressing ship.
- 3rd Day.—Speed and helm signals. Instructions relating to flag signalling.
- 4th Day.—Manner of using distinguishing signals. Organisation of a fleet.
- 5th Day.—Résumé.

Third Week :—

- 1st Day.—Instructions for the conduct of a fleet. Sound signals. Executives. How to use a Very's pistol.
- 2nd Day.—Instructions and examples in forming and disposing and equal speed signals.
- 3rd Day.—Instructions for stationing signals. Alteration of course tables. Instructions relating to semaphore.
- 4th Day.—Instructions relating to flashing. Manner of using flashing signs, all flashing lamps, and flashing signals.
- 5th Day.—Résumé.

Fourth Week :—

- 1st Day.—Instructions for flag-waving, heliograph, and searchlight.
- 2nd Day.—Instructions for telegraph. Signalling between army and navy. Abbreviated titles.
- 3rd Day.—Cruiser instructions.
- 4th Day.—Instructions for buoys and beacons and temporary ditto. Flag of truce. Towing and single flag tables.
- 5th Day.—Résumé.

Fifth Week :—

- 1st Day.—Rule of the road.
- 2nd Day.—International Code. Distant and distress signals. British Signal Manual.
- 3rd Day.—Flotilla, Vocabulary, and Boats' Signal Books.
- 4th Day.—Extra subjects.
- 5th Day.—Résumé.

Sixth Week :—

GENERAL RÉSUMÉ.

NOTE.—Signal boatswains, Chief and Yeomen of signals undergo a three weeks course of procedure of Wireless signalling.

EXAMINATIONS FOR SIGNAL RATINGS.

A = Number of marks allowed.

C = Minimum marks for passing.

B = Rate of sending per minute.

D = Number of words to be read correctly in five minutes.

Rating.	Semaphore.			Flag Waving.			Flashing.										Sounder.		Buzzer.		Paper.			
	Reading 50 words prose.			Reading 25 words prose.			Reading one Test Message.			Reading 20 Coded Signals.			Reading 30 words spelling.				No. of Words per Minute.		No. of Words per Minute.		Part I.	Part II.	Part III.	Extra.
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	Per Cent.	For 5 Minutes.	For 5 Minutes.	For 5 Minutes.	For 5 Minutes.	A 200	A 200	A 200	A 100
Ordinary Signalman.	100	20	92	100	12	88	50	10	48·1	20	10	17	30	10	27	92·1	A 100	D 50	A 100	D 50	C 80	C 80	C 80	—
Signalman	100	20	94	100	12	92	50	10	48·7	20	10	18	30	10	28	94·7	100	60	100	60	85	85	85	—
Leading Signalman.	100	20	96	100	12	96	50	10	48·7	20	10	18	30	10	28	94·7	100	70	100	70	85	85	85	—
Yeoman of Signals.	100	20	98	100	12	96	50	10	49·3	20	10	19	30	10	29	97·3	100	90	100	90	90	90	90	90
Chief Yeoman	100	20	98	100	12	100	50	10	49·3	20	10	19	30	10	29	97·3	100	100	100	100	90	90	90	90

PRINCIPAL STEAMSHIP LINES.

The following are to be considered as the principal mercantile lines, for the purpose of questions in extra papers:—

Aberdeen Line.	Donald Currie & Co.
Allan Line.	Dominion Line.
American Steamship Company.	Eastern Telegraph Company.
Anchor Line, Glasgow.	Elder, Dempster & Co.
Anchor Line, Hull.	Federal Line.
Atlas Line.	Furness Line.
Austro-Hungarian Lloyd,	Hall, John, Junior, & Co.
S.N. Company.	Hamburg-American Line.
Beaver Line.	Holt, Alfred.
Bibby Bros. & Co.	Indo-China S.N. Company.
Booth Steamship Company.	Inman Line.
British and African S.N. Company.	Jardine Matherson.
British India S.N. Company.	Leyland Line.
Canadian Pacific Railway.	Messageries Maritimes.
China Merchants S.N. Company.	Moss Line.
China Navigation Company.	New York, Havana and Mexican S.S. Company.
China Shippers Mutual S.N. Company.	New Zealand Shipping Company.
City Line.	Nippon Yusen Kaisha.
Clan Line.	Norddeutscher Lloyd.
Compagnie Générale Transatlantique.	Occidental and Oriental Line.
Cunard Line.	Orient Steam Navigation Company.
	Oriental Steamship Company.
	White Star Line.

FOR ORDINARY TELEGRAPHIST.

Boy telegraphists will be rated ordinary telegraphists at the age of 18.

FOR TELEGRAPHIST.

Six months' service at sea as ordinary telegraphist, and must pass the following examination:—

- (1) Speed of signalling of 20 words a minute.
- (2) Good knowledge of the instruments in the ship and the wireless signalling instructions.
- (3) Fair knowledge of cruiser dispositions.
- (4) Fair knowledge of the method of rapidly charting relative positions of cruisers.

FOR LEADING TELEGRAPHIST.

After two years' service as telegraphist, and if recommended by commanding officer, a telegraphist may pass the following examination :—

- (1) Speed of signalling of 25 words a minute.
- (2) Thorough knowledge of the instruments in the ship and the wireless signalling instructions.
- (3) Good knowledge of cruiser dispositions.

After passing this examination, telegraphists will be rated leading telegraphists as vacancies occur.

FOR PETTY OFFICER TELEGRAPHIST.

After two years' service as leading telegraphist, a man may, if recommended from sea for advancement, and if he has passed the educational examination for Seaman Petty Officer, go through a course of 80 days in "Vernon" as follows :—

	Days.
Electricity - - - - -	15
Accumulators, motors, oil engines - - - - -	18
Advanced course in wireless telegraphy - - - - -	35
Telegraphy other than wireless - - - - -	10
Examination - - - - -	2

They will then be rated as vacancies occur, provided they have three years' service as leading telegraphist.

FOR CHIEF PETTY OFFICER TELEGRAPHIST.

Four years' service at sea as Petty Officer Telegraphist. Promotion will be by seniority and recommendation tempered by selection.

FOR WARRANT OFFICER.

Candidates must be Chief or Petty Officers, Chief or Yeoman of Signals, or Chief Petty Officer or Petty Officer Telegraphists, with not less than one year's service in either of those ranks. They must have seven years' service. They must pass an educational examination, and also a qualifying examination in their particular branch of the Service, *i.e.*, Gunner, Torpedo Gunner, Boatswain, Signal Boatswain, or Warrant Telegraphist.

FOR LIEUTENANT.

By selection after long service, or for war service.