

THE INTER-LAKE
YACHTING
ASSOCIATION

1895.



**INTER-LAKE
YACHTING
ASSOCIATION.**



GENERAL MEMORANDA

Commodore's Address,

JOHN E. GUNCKEL, Toledo, O.

Secretary-Treasurer's Address,

F. R. FREY, Toledo, O.

Measurer's Address,

GEO. CRANSHAW, Detroit, Mich.

Race Committee, Chairman's Address,

C. B. LOCKWOOD, Sandusky, O.

OFFICERS.

Commodore,
JOHN E. GUNCKEL.

Vice-Commodore,
HARRY C. KENDALL.

Rear-Commodore,
J. J. GILL.

Fleet Captain,
A. U. BETTS.

Secretary-Treasurer,
FRANK R. FREY.

Measurer,
GEO. R. CRANSHAW.

Fleet Surgeon,
DR. A. E. CLAYPOOL.

DIRECTORS-1895,

G. W. LUETKEMEYER,	Cleveland Yacht Club.
HENRY TRACY,	Ohio Yacht Club.
FRANK R. FREY,	Toledo Yacht Club.
W. C. BEAN,	Citizens' Yachting Ass'n.
C. B. LOCKWOOD,	Sandusky Yacht Club.
C. J. LICHTENBERG,	West End Yacht Club.
GEO. H. BEEBE,	Put-in-Bay Yacht Club.
GEO. T. BLISS,	Erie Yacht Club.

RACE COMMITTEE,

C. B. LOCKWOOD,
GEO. NEWBERRY,
JOHN BARTH,
F. R. FREY, (ex-of.)

MEMBERS,

CITIZENS' YACHTING ASS'N,		Detroit, Mich.
CLEVELAND YACHT CLUB,		Cleveland, O.
OHIO	" "	Toledo, O.
PUT-IN-BAY	" "	Put-in-Bay, O.
SANDUSKY	" "	Sandusky, O.
TOLEDO	" "	Toledo, O.
WEST END	" "	Detroit, Mich.
ERIE	" "	Erie, Pa.

CONSTITUTION

—OF THE—

Inter-Lake Yachting Association

ARTICLE I.

NAME.

The name of this body shall be "INTER-LAKE YACHTING ASSOCIATION."

OBJECT.

The object of this Association shall be to advance yachting interests on the lakes and rivers.

OFFICERS.

1, Commodore; 2, Vice-Commodore; 3, Rear Commodore; 4, Fleet Captain; 5, Secretary-Treasurer; 6, Measurer; 7, Surgeon; 8, Board of Directors; 9, Race Committee.

MEMBERS.

Any organized Yacht Club on the lakes and rivers connecting therewith may become a member of this Association.

APPLICATION.

Clubs desiring to become members, shall make written application to the Secretary-Treasurer, who will bring it before the Board of Directors for action. Their decision shall be final.

GOVERNMENT.

The entire government and management of the Association shall be vested in a Board of Directors, consisting of one representative from each member, a majority of whom shall constitute a quorum.

ELECTIONS.

DIRECTORS.

Directors are elected by each Association member, as they think best, in December of each year.

COMMODORES.

Nominations for the three Commodores shall be confined to the Commodores and ex-Commodores of the clubs in this Association. Their term of office shall be one year, and they cannot be elected to succeed themselves. A plurality vote of the Directors constitutes an election.

OTHER OFFICERS.

All other officers are elected by a plurality vote of the Directors, and may succeed themselves.

VOTING.

Voting shall be by ballot.

DUTIES.

COMMODORE.

It shall be the duty of the Commodore to preside at all meetings of the Association, to take command of the squadron, and perform such other duties as the Board of Directors may appoint.

He shall call special meetings of the Board, whenever he shall deem it necessary, or on a written request of two Directors.

All requests to call meetings, and calls, shall specify the objects of the meeting, and no other matters than those specified shall be considered.

VICE-COMMODORE.

It shall be the duty of the Vice-Commodore to assist the Commodore in the discharge of his duties, and, in his absence, officiate in his stead.

REAR-COMMODORE.

It shall be the duty of the Rear-Commodore to assist the Commodore and Vice-Commodore in the discharge of their duties, and in their absence, officiate in their stead.

FLEET CAPTAIN.

His duties shall be such as usually devolve upon that officer

SECRETARY-TREASURER.

It shall be the duty of the Secretary to keep a true record of the proceedings of all the meetings of the Board of Directors with the names of the members present thereat, in a book provided for that purpose, and to authenticate the same by his signature.

To keep a correct roll of all the Clubs and Directors. To notify every Club elect of its election, and upon its becoming a member, to furnish it with copies of the Constitution, By-Laws and Sailing Regulations of the Association. To notify every Director of each special and adjourned meeting, at least ten days prior thereto.

He shall conduct all official correspondence of the Association.

He shall be an ex-officio member of every committee, either elected or appointed.

He shall make all collections for the Association, and pay all bills which have been passed by the Board of Directors and approved by the Commodore, out of the funds of the Association.

He shall make quarterly report of all money in his hands, and a full detailed report at the annual meeting in February, of all receipts and disbursements.

He shall keep the accounts of the Association, and preserve proper vouchers for all payments.

To file all documents, records, reports and communications connected with the business of the Association.

To keep a correct list of the name, size, ownership, rig and builder of each yacht enrolled in the squadron, a copy of which list, corrected monthly he shall keep for inspection and mail to each Club semi-annually.

The Secretary-Treasurer shall have voice, but without vote, in the proceedings of the annual meeting and other meetings of the I. L. Y. A. and the expense incurred by him through attending such meetings shall be paid from the funds of the I. L. Y. A.

MEASURER.

It shall be the duty of the Measurer to make a correct list of the name, size, rig and measurement of each boat enrolled in the squadron, and deliver the same to the Secretary-Treasurer.

To make a similar return of each boat entered for any regatta to the Race Committee, not less than two hours prior to such regatta.

FLEET SURGEON.

It shall be the duty of the Fleet Surgeon to look after the physical condition of the members, and perform such other duties connected with his office, as the Commodore may direct.

* RACE COMMITTEE.

The Race Committee shall consist of three members.

It shall be their duty to appoint three Judges, from whose decision there shall be no appeal.

They shall elect a chairman from their number, and fill any vacancy which may occur in this Committee.

Any member of the Committee having an interest in a yacht entered for a race, shall be ineligible to act in any capacity connected with such race, and the Committee shall have the power to fill such temporary vacancy.

They shall select and survey the sailing grounds as prescribed and shall have full charge of all matter pertaining to the procuring and awarding of prizes. They shall notify the owners of the winning yachts.

They shall appoint two Timers, whose duty it will be to time all yachts as directed by the Judges.

SAILING GROUNDS.

Sailing grounds must be selected from waters that will permit in all cases of a windward and leeward course, also a triangular course.

AMENDMENT TO THE CONSTITUTION.

No amendment or alteration of the Constitution shall be made except by a vote of three-fourths of the members present, and a resolution to that effect, setting forth

the alteration proposed, shall have been before the Association for one previous meeting, and notice thereof given at such meeting by the chairman, and also notice given in the call for the meeting when such alteration shall be acted upon, that an alteration of the Constitution is on the table, and will be taken up.

BY-LAWS.

MEETINGS.

There shall be an annual meeting of Directors held on the second Wednesday of each February, and at other times to which it may be adjourned, at such place as may be decided upon at the previous meeting.

To hear the Secretary-Treasurer's report, to audit the same, and elect officers for the ensuing year.

Special meetings may be called by the Commodore, as provided by the Constitution.

The notice of special meetings shall state the object thereof, and at such meetings none but stated business shall be in order.

Directors may be represented at any meeting by proxy duly authorized in writing, but no Director shall give a proxy to any person who is not a member in good standing of his own Club.

ORDER OF BUSINESS.

The Commodore (or in his absence the officer of highest rank present) shall take the chair, and call the meeting to order.

The Secretary-Treasurer shall call the roll. A quorum being present, the order of business shall be as follows:

1. Reading the minutes of the previous meeting, which shall stand approved if not corrected.
2. Report of the Secretary-Treasurer.
3. Reports of Committees.
4. Miscellaneous business.
5. Election of officers and members.
6. Adjournment.

RULES OF ORDER.

Any Director wishing to speak, shall rise and address the chair. If two or more Directors shall claim the floor at the same time, the chair shall decide who is entitled to it.

No motion may be entertained by the chair until seconded; and, until decided, no other motion shall be in order, except for the previous question, to lay on the table, to amend, to re-commit, or to adjourn.

All motions and resolutions must be reduced to writing if required by any Director present.

When a question is put, every Director present must vote, unless personally interested or excused by the chair. No Director may move the reconsideration of any vote, unless he voted with the majority which decided the question.

Any Director may appeal to the Association from the decision of the chair; and if seconded, the question shall be: "Shall the decision of the chair be sustained."

No Director may speak more than twice upon the same question, without the permission of the meeting.

When the floor is not occupied a motion to adjourn is always in order, and it is not debatable.

Any two Directors can call for the yeas and nays upon any debatable motion, and the Secretary-Treasurer shall call the names present and enroll the vote.

Any of the foregoing rules of order may be suspended at the regular or special meeting by a vote of two-thirds of the Directors present, but such suspension will terminate with the meeting.

Robert's Rules of Order shall be authority for the construction of the foregoing rules, and to decide disputed questions of order not herein provided.

YACHTS ELIGIBLE TO RACE.

Each Club must furnish the Secretary-Treasurer with a list of yachts, in good standing giving full measurements of each (see sailing rules.)

Yachts not on these lists cannot enter Association races except on written order from the Secretary-Treasurer and countersigned by the Commodore in charge.

A yacht as defined by this Association must be a vessel of at least 16 ft. L. W. L. and must carry not less than 300 lbs. of ballast permanently stowed or have a beam of not less than one-fifth of her load-line length. She must have standing rigging, a fixed mast, and must be kept permanently on the water during the season.

DUES.

The annual dues shall be \$25.00 in advance, payable on the date of the annual meeting.

If any Club shall be in arrears to the Association, the Secretary-Treasurer shall make report thereof to the Board of Directors, and notify such delinquent Club in writing, that unless the same shall be paid within thirty days, their privileges as a member shall cease.

AMENDMENTS TO BY-LAWS.

These By-Laws may be amended at any regular or special meeting of the Association, by a vote of three-fourths of the Directors present.

SAILING REGULATIONS.

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unless it is enrolled in the Association squadron and all dues of the Club to which she belongs are paid up. Every Sailing Master or Captain of any yacht entered for Association regattas, excepting those in first-class, 55 and 46 footers, must be a member in good standing of one of the Clubs of the Association.

The Secretary-Treasurer shall receive no entries unless accompanied by a complete measurement of the yacht desiring to enter, (in case of a yacht whose actual sail spread is to be measured, a diagram to be furnished) properly signed by the managing owner and the official measurer of her home Club or the I. L. Y. A. These measurements must be reduced to feet and tenths of feet. Blanks can be obtained from the Secretary-Treasurer.

No new entries shall be received for a postponed race under any circumstances. Two boats in which a member is interested cannot compete for the same prize unless there are other entries. Every yacht must sail in her own class according to her measurement excepting the case of a yacht entered alone in her class, which yacht can enter the class above her by assuming the minimum measurement.

FEEES.

First-class, fifty-five and forty-six footers, shall pay an entrance fee of \$3.00.

Forty and thirty-five footers, shall pay \$2.00.

Thirty and twenty-five footers, shall pay \$1.00.

This fee shall be paid to the Secretary-Treasurer when handing in entrance blanks.

The Race Committee shall not give out racing numbers except to members presenting the Secretary-Treasurer's receipt for entrance money.

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CLASSIFICATION.

First Class.—All yachts over 55 feet corrected length.

Fifty-five Footers.—All yachts over 46 feet and not over 55 feet, corrected length.

Forty-six Footers.—All yachts over 40 feet and not over 46 feet, corrected length.

Forty Footers.—All yachts over 35 feet and not over 40 feet, corrected length.

Thirty-five Footers.—All yachts over 30 feet and not over 35 feet, corrected length.

Thirty Footers.—All yachts over 25 feet and not over 30 feet, corrected length.

Twenty-five Footers.—All yachts of 25 feet, corrected length, and under.

SIGNALS.

The Association signal shall be a swallowed-tailed pennant, in length not exceeding one and one-half inches to every foot in length of the deck, having a base two-thirds the extreme length of the pennant. It shall consist of a white field with blue border, the width of which shall be one-sixth of the base, and shall bear the letters "I. L. Y. A." in red thereon.

RACING NUMBER.

Each yacht, while sailing in a race, shall carry the number assigned it by the Racing Committee at the peak on the port.

CREW.

Each yacht may carry not to exceed one man for every five feet of corrected length, or fractional part thereof, including a Sailing Master or Captain, but not a scrutineer.

BALLAST.

Ballast shall not be trimmed or shifted in any way from the time of the latest measurement until the day after the race; or in case of a protested measurement, no shifting or trimming in any way is permissible until such protest has been settled.

STARTING AND FINISHING.

Each boat in starting shall pass between the stake boat and mark boat, leaving the stake boat to port. She shall leave all stake boats in the course to port, and shall finish by passing between the stake boat and mark boat without rounding up. All stake boats shall carry a large distinguishing flag. The mark boat shall carry a small pennant. At the first or preliminary gun a flag shall be set. After the elapse of ten minutes the starting gun shall be fired and the flag lowered. This gun shall be the signal for the largest class in the race to cross the starting line.

After the elapse of five minutes another gun shall be fired, which shall be the handicap gun for the first class, and the starting gun for the next class, and so on until all the classes have been started. Every yacht must cross the line within the five minutes allowed to her class, and failing to do so, she shall be timed from the handicap gun of her class.

ANCHORING.

Any boat may anchor during a race, but must weigh anchor again on starting.

PROPELLING.

Sails are the only means permitted for propelling, and they shall not be limited in number or kind.

SOUNDING.

The ordinary hand lead and line only shall be used for sounding.

MEETNG.

Boats going free must give way to those on the wind. Boats on the starboard tack shall have the right of way. Boats meeting end on, or nearly end on, shall put their helm to port, so that each may pass the other on the port side.

OVERTAKING, ROUNDING, ETC.

A boat overtaking another shall keep out of his way, and when two or more boats are rounding any buoy or stake boat, and in danger of fouling, each respective outside boat must give way, so as to allow the boat next inside to pass free of each object and all boats inside, whether the boats be lee or weather boats. Each boat in rounding any buoy, stake boat or other object marking the course must leave such object on the port side.

If any part of hull or spars of a competing yacht are on or across the line before the signal to start is made, she must return and recross the line. The yacht so returning or working into position from the wrong side of the line after the signal to start has been made, must keep clear of all competing yachts.

OBSTRUCTIONS TO SEA ROOM, ETC.

When two or more boats are passing any pier, vessel, shore or other obstruction to sea room, and the inside boat or boats are in danger of being forced to foul, each respective outside boat must upon request, immediately give way and each boat availing itself of the benefits of such request must forthwith bear away on a like course if it can be done without actual danger, whether such boats be lee or weather boats.

LUFFING OR BEARING AWAY.

A boat may luff as she pleases to prevent another from passing to windward, but must not bear away to prevent the other from passing to leeward. The leeward side shall be considered that on which the leading boat is carrying its main boom, and the boat overtaking and passing must not luff until it has passed clear ahead of the boat overtaken.

FOULING.

Each boat must fairly round the course, and it must not touch any buoy or other object used to mark the course; but no boat shall be disqualified or forfeit its right or claim in any race if wrongfully compelled to foul such object by another boat. Should any boat, through neglect or any of these rules, foul another boat, or compel other boats to foul, such boat shall forfeit all claims to a prize.

SCRUTINEERS.

The Race Committee reserves the right to place a Scrutineer in each boat sailing in any regatta, and also to place a competent person in each stake boat to make observations, and such person or persons may be examined by the judges touching any information required.

RIGHT OF WAY.

All Association boats not actually entered and sailing in a regatta, or after abandoning any race, shall give way to all boats sailing the race irrespective of all other rules.

PENALTIES.

If any competing yacht calls for measurement, a fee of 10 cents per foot, corrected length, will be charged and must be deposited in advance, with the Secretary-Treasurer, the funds to go into the Association treasury. In case the two measurements disagree by an amount exceeding three inches, corrected length, the deposit shall be refunded to the owner of the yacht. Each boat entering a regatta shall be governed by the rules and regulations thereof, in all particulars, and any boat breaking any of the rules or regulations of the regatta shall forfeit all claims to a prize, and be liable for all damages that may occur therefrom.

TIME.

Any regatta shall be declared off unless one yacht in the class of 40 feet and upward, shall make the race at the rate of not less than four nautical miles per hour, and of the 35 and 30 feet classes at the rate of not less than 3½ nautical miles per hour, and of the 25 feet class at the rate of not less than three nautical miles per hour; the course to designate the distance sailed.

TIMING.

The time at the start and finish shall be taken when the point marked by the mainmast in all yachts crosses the line.

PROTESTS.

Any boat desiring to enter a protest shall present the same in writing, immediately after the conclusion of the race, to the judges, who shall thereupon hear and determine the same. They shall also notify the owner of the boat protested. And the judges shall, without protest, disqualify any boat, should they be satisfied that such boat or crew has disregarded any of the rules, but not, however until the owner or representative thereof shall have been given an opportunity of being heard. The decision of the judges shall be final in all cases.

ACCIDENTS.

Should by any accident, a man overboard, or a boat capsize, every boat must render all assistance possible; and if, in the opinion of the judges the result of the race is thereby changed, they shall order the race to be resailed.

POSTPONEMENTS.

The Race Committee shall have the power to postpone races, should the weather render such action desirable and to determine what course shall be sailed.

STAKE BOATS.

Should any flag, vessel or other mark be removed from its proper position, either by design or accident, the race shall be sailed over again, or not, at the discretion of the Race Committee.

AMENDMENTS.

These sailing regulations may be amended at any meeting, by a two-third vote of the Directors present, provided notice of the proposed amendment has been given in the notice of the meeting.

APPENDIX.

RULES OF MEASUREMENT AND TIME ALLOWANCE.

On schooners, cutters and sloops, a perpendicular line to be taken along the after-side of the mainmast, from the under-side of the gaff-topsail block or sheave on top-mast or uppermost block or sheave at masthead to the upper side of the boom, when resting on the saddle or on the lowest part of the goonneck, the distance of which point from the main-deck or house-deck to be recorded by the measurer, together with the other points used in measurement.

A base line to be taken from the bee-hole or point of contact of the outer-most stay on bowsprit or jib-boom in a straight line to the end of the main boom, with the difference between 50 per cent of the length of top mast and the length of the gaff added thereto. Length of top mast to be taken from upper most sheave at top mast head to hounds, or in their absence to the top of throat halliard block. In measuring for the sail spread of schooners, it is understood that the main gaff and main topmast be measured.

The excess in length of the spinnaker-boom, over the water-line length, to be added to the base-line; and if the spinnaker-boom be arranged to ship on deck or in the rigging, or have any lengthening device whatever, the distance or length of the same, from center of the mast, shall be included in the measurement.

Sprits on spinnakers are limited to two feet in length. On cat-boats, the base line to be the length of boom plus three-quarters the length of the gaff. On yawls, double cats, unprovided for and uncertain rigs, the actual sail area including top-sails, shall be taken.

To obtain area from these figures the usual formula for obtaining the area in square feet of a triangle is to be followed, namely: Base multiplied by the perpendicular and divided by two.

Length to be measured from forward side of stem at the water-line to the water-line at the stern, wherever found exclusive of rudder blade. This measurement to be

when the yacht is afloat and in her ordinary trim, and without the crew on board. The measurer at the time of taking his measurement, to affix a distinctive mark at each point. To the square root of the sail area, as ascertained, add the L. W. L. length as ascertained, divide the sum by two, and the result is the measurement for time allowance.

Any change in these measurements to be reported by the owners as customary, to the measurer.

RULES FOR ASCERTAINING ALLOWANCES.

To find the time one yacht allows another; subtract the time opposite the length of larger yacht from the time opposite the length of smaller yacht, and multiply the remainder by the length of course, and the result is the allowance in seconds.

That schooners and yawls are to be rated at 85 per cent. and 95 per cent. respectively of their racing length and shall be classified after this reduction is made.

Any change in the rules of measurement and time allowance shall be subject to all the restrictions of change in the Constitution, as provided therein.

To find the time for fractions of one foot:

EXAMPLE.

What time will a yacht 45 feet long allow one 46 feet 6 inches long?

	Seconds.	
Time opposite 46 feet.....	86.03	
Time opposite 47 feet.....	83.76	
	2.27	
One-half of difference—1.14, would be the time for six inches	1.14	
Add to time opposite 47 feet.....	83.76	
—time for 46 feet 6 inches.....	84.90	
From this subtract time allowed 48 feet.....	81.56	
Time 48 ft. will allow 46 ft. 6 in. for one mile.....	3.34	
Multiply by length of course—miles.....	20	
—allowance in seconds.....	66.88	
Divide by 60—allowance in minutes and seconds=1 minute 7 seconds.		

Time Allowance for One Nautical Mile.

IN SECONDS AND DECIMALS.

Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.
15. .1	245.50	19. .1	204.00	23. .1	173.97	27. .1	150.45
.2	244.32	.2	203.17	.2	173.34	.2	149.99
.3	243.14	.3	202.34	.3	172.71	.3	149.53
.4	241.96	.4	201.51	.4	172.07	.4	149.07
.5	240.78	.5	200.68	.5	171.44	.5	148.61
.6	239.60	.6	199.85	.6	170.81	.6	148.15
.7	238.42	.7	199.02	.7	170.18	.7	147.68
.8	237.24	.8	198.19	.8	169.55	.8	147.22
.9	236.06	.9	197.36	.9	168.91	.9	146.76
	234.88		196.53		168.28		146.30
16. .1	233.70	20. .1	195.70	24. .1	167.65	28. .1	145.84
.2	232.63	.2	194.92	.2	167.06	.2	145.37
.3	231.56	.3	194.15	.3	166.46	.3	144.89
.4	230.49	.4	193.37	.4	165.87	.4	144.42
.5	229.42	.5	192.60	.5	165.27	.5	143.95
.6	228.35	.6	191.82	.6	164.68	.6	143.47
.7	227.28	.7	191.04	.7	164.09	.7	143.00
.8	226.21	.8	190.27	.8	163.49	.8	142.53
.9	225.14	.9	189.49	.9	162.90	.9	142.06
	224.07		188.72		162.30		141.58
17. .1	223.00	21. .1	187.94	25. .1	161.71	29. .1	141.11
.2	222.01	.2	187.23	.2	161.15	.2	140.66
.3	221.02	.3	186.51	.3	160.59	.3	140.21
.4	220.03	.4	185.80	.4	160.03	.4	139.76
.5	219.04	.5	185.08	.5	159.47	.5	139.31
.6	218.05	.6	184.37	.6	158.92	.6	138.87
.7	217.06	.7	183.65	.7	158.36	.7	138.42
.8	216.07	.8	182.94	.8	157.80	.8	137.97
.9	215.08	.9	182.23	.9	157.24	.9	137.52
	214.09		181.51		156.67		137.07
18. .1	213.10	22. .1	180.80	26. .1	156.12	30. .1	136.62
.2	212.19	.2	180.12	.2	155.55	.2	136.19
.3	211.28	.3	179.43	.3	154.99	.3	135.74
.4	210.37	.4	178.75	.4	154.42	.4	135.34
.5	209.46	.5	178.07	.5	153.85	.5	134.91
.6	208.55	.6	177.39	.6	153.29	.6	134.49
.7	207.64	.7	176.70	.7	152.72	.7	134.06
.8	206.73	.8	176.02	.8	152.15	.8	133.63
.9	205.82	.9	175.34	.9	151.58	.9	133.20
	204.91		174.65		151.02		132.78

TIME ALLOWANCE—CONTINUED.

Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.
31.	132.35	35.	117.12	39.	104.30	43.	93.31
.1	131.94	.1	116.78	.1	104.01	.1	93.06
.2	131.53	.2	116.44	.2	103.72	.2	92.81
.3	131.13	.3	116.10	.3	103.43	.3	92.56
.4	130.72	.4	115.76	.4	103.14	.4	92.31
.5	130.31	.5	115.42	.5	102.85	.5	92.06
.6	129.90	.6	115.07	.6	102.56	.6	91.80
.7	129.49	.7	114.73	.7	102.27	.7	91.55
.8	129.09	.8	114.39	.8	101.98	.8	91.30
.9	128.68	.9	114.05	.9	101.69	.9	91.05
32.	128.27	36.	113.71	40.	101.40	44.	90.80
.1	127.88	.1	113.38	.1	101.12	.1	90.56
.2	127.49	.2	113.06	.2	100.84	.2	90.32
.3	127.11	.3	112.73	.3	100.56	.3	90.07
.4	126.72	.4	112.41	.4	100.28	.4	89.83
.5	126.33	.5	112.08	.5	100.00	.5	89.59
.6	125.94	.6	111.75	.6	99.72	.6	89.35
.7	125.55	.7	111.43	.7	99.44	.7	89.11
.8	125.17	.8	111.10	.8	99.16	.8	88.86
.9	124.78	.9	110.78	.9	98.88	.9	88.62
33.	124.39	37.	110.45	41.	98.60	45.	88.38
.1	124.02	.1	110.14	.1	98.33	.1	88.15
.2	123.65	.2	109.82	.2	98.06	.2	87.91
.3	123.27	.3	109.51	.3	97.79	.3	87.68
.4	122.90	.4	109.19	.4	97.52	.4	87.44
.5	122.53	.5	108.88	.5	97.24	.5	87.21
.6	122.16	.6	108.57	.6	96.99	.6	86.97
.7	121.79	.7	108.25	.7	96.72	.7	86.74
.8	121.41	.8	107.94	.8	96.45	.8	86.50
.9	121.04	.9	107.62	.9	96.18	.9	86.27
34.	120.67	38.	107.31	42.	95.91	46.	86.03
.1	120.32	.1	107.01	.1	95.65	.1	85.80
.2	119.96	.2	106.71	.2	95.39	.2	85.58
.3	119.61	.3	106.41	.3	95.13	.3	85.35
.4	119.25	.4	106.11	.4	94.87	.4	85.12
.5	118.90	.5	105.81	.5	94.61	.5	84.90
.6	118.54	.6	105.50	.6	94.35	.6	84.67
.7	118.19	.7	105.20	.7	94.09	.7	84.44
.8	117.83	.8	104.90	.8	93.83	.8	84.21
.9	117.48	.9	104.60	.9	93.57	.9	83.99

TIME ALLOWANCE—CONTINUED.

Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.	Measure-ment.	Allow-ance.
47.	83.76	51.	75.35	55.	67.88	59.	61.19
.1	83.54	.1	75.16	.1	67.71	.1	61.03
.2	83.32	.2	74.96	.2	67.53	.2	60.88
.3	83.10	.3	74.77	.3	67.36	.3	60.73
.4	82.88	.4	74.57	.4	67.18	.4	60.7
.5	82.66	.5	74.38	.5	67.01	.5	60.41
.6	82.44	.6	74.19	.6	66.84	.6	60.26
.7	82.22	.7	73.99	.7	66.66	.7	60.09
.8	82.00	.8	73.80	.8	66.49	.8	59.93
.9	81.78	.9	73.60	.9	66.31	.9	59.78
48.	81.56	52.	73.41	56.	66.14	60.	59.62
.1	81.35	.1	73.22	.1	65.97	.1	59.47
.2	81.13	.2	73.03	.2	65.80	.2	59.31
.3	80.92	.3	72.84	.3	65.63	.3	59.16
.4	80.71	.4	72.65	.4	65.46	.4	59.01
.5	80.50	.5	72.46	.5	65.30	.5	58.86
.6	80.28	.6	72.27	.6	65.13	.6	58.70
.7	80.07	.7	72.08	.7	64.95	.7	58.55
.8	79.86	.8	71.89	.8	64.79	.8	58.40
.9	79.64	.9	71.70	.9	64.62	.9	58.24
49.	79.43	53.	71.51	57.	64.45	61.	58.09
.1	79.22	.1	71.33	.1	64.29	.1	57.94
.2	79.02	.2	71.14	.2	64.12	.2	57.79
.3	78.81	.3	70.96	.3	63.96	.3	57.64
.4	78.60	.4	70.77	.4	63.79	.4	57.49
.5	78.40	.5	70.59	.5	63.63	.5	57.34
.6	78.19	.6	70.41	.6	63.46	.6	57.19
.7	77.98	.7	70.22	.7	63.30	.7	57.04
.8	77.77	.8	70.04	.8	63.13	.8	56.89
.9	77.57	.9	69.85	.9	62.97	.9	56.74
50.	77.36	54.	69.67	58.	62.80	62.	56.59
.1	77.16	.1	69.49	.1	62.63	.1	56.45
.2	76.96	.2	69.31	.2	62.48	.2	56.30
.3	76.76	.3	69.13	.3	62.32	.3	56.16
.4	76.56	.4	68.95	.4	62.16	.4	56.01
.5	76.36	.5	68.78	.5	62.00	.5	55.87
.6	76.15	.6	68.60	.6	61.83	.6	55.72
.7	75.95	.7	68.42	.7	61.67	.7	55.58
.8	75.75	.8	68.24	.8	61.51	.8	55.43
.9	75.55	.9	68.06	.9	61.35	.9	55.29

1668
490
110

TIME ALLOWANCE—CONTINUED.

measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.
63.	55.14	67.	49.64	71.	44.61	75.	39.99
.1	55.00	.1	49.51	.1	44.49	.1	39.88
.2	54.85	.2	49.38	.2	44.37	.2	39.77
.3	54.71	.3	49.25	.3	44.25	.3	39.66
.4	54.57	.4	49.12	.4	44.13	.4	39.55
.5	54.43	.5	48.99	.5	44.02	.5	39.44
.6	54.28	.6	48.86	.6	43.90	.6	39.33
.7	54.14	.7	48.73	.7	43.78	.7	39.22
.8	54.00	.8	48.60	.8	43.66	.8	39.11
.9	53.85	.9	48.47	.9	43.54	.9	39.00
64.	53.71	68.	48.34	72.	43.42	76.	38.89
.1	53.57	.1	48.21	.1	43.30	.1	38.78
.2	53.43	.2	48.09	.2	43.19	.2	38.68
.3	53.29	.3	47.96	.3	43.07	.3	38.57
.4	53.15	.4	47.83	.4	42.95	.4	38.46
.5	53.02	.5	47.71	.5	42.84	.5	38.36
.6	52.88	.6	47.58	.6	42.72	.6	38.25
.7	52.74	.7	47.45	.7	42.60	.7	38.14
.8	52.60	.8	47.32	.8	42.48	.8	38.04
.9	52.46	.9	47.20	.9	42.37	.9	37.93
65.	52.32	69.	47.07	73.	42.25	77.	37.82
.1	52.19	.1	46.95	.1	42.14	.1	37.71
.2	52.05	.2	46.82	.2	42.02	.2	37.61
.3	51.92	.3	46.70	.3	41.91	.3	37.50
.4	51.78	.4	46.57	.4	41.79	.4	37.39
.5	51.65	.5	46.45	.5	41.68	.5	37.29
.6	51.51	.6	46.33	.6	41.57	.6	37.18
.7	51.38	.7	46.20	.7	41.45	.7	37.08
.8	51.24	.8	46.08	.8	41.34	.8	36.97
.9	51.11	.9	45.95	.9	41.22	.9	36.87
66.	50.97	70.	45.83	74.	41.11	78.	36.76
.1	50.84	.1	45.71	.1	41.00	.1	36.66
.2	50.71	.2	45.59	.2	40.89	.2	36.55
.3	50.57	.3	45.46	.3	40.77	.3	36.45
.4	50.44	.4	45.34	.4	40.66	.4	36.35
.5	50.31	.5	45.22	.5	40.55	.5	36.25
.6	50.17	.6	45.10	.6	40.44	.6	36.14
.7	50.04	.7	44.98	.7	40.33	.7	36.04
.8	49.91	.8	44.85	.8	40.21	.8	35.94
.9	49.77	.9	44.73	.9	40.10	.9	35.83

TIME ALLOWANCE—CONTINUED.

Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.
79.	35.73	83.	31.76	87.	28.09	91.	24.66
.1	35.63	.1	31.67	.1	28.00	.1	24.57
.2	35.53	.2	31.57	.2	27.91	.2	24.49
.3	35.42	.3	31.48	.3	27.83	.3	24.41
.4	35.32	.4	31.38	.4	27.74	.4	24.33
.5	35.22	.5	31.29	.5	27.65	.5	24.25
.6	35.12	.6	31.20	.6	27.56	.6	24.16
.7	35.02	.7	31.10	.7	27.47	.7	24.08
.8	34.91	.8	31.01	.8	27.39	.8	24.00
.9	34.81	.9	30.91	.9	27.30	.9	23.91
80.	34.71	84.	30.82	88.	27.21	92.	23.82
.1	34.61	.1	30.73	.1	27.12	.1	23.75
.2	34.51	.2	30.63	.2	27.03	.2	23.67
.3	34.41	.3	30.54	.3	26.94	.3	23.59
.4	34.31	.4	30.45	.4	26.85	.4	23.51
.5	34.21	.5	30.36	.5	26.76	.5	23.43
.6	34.11	.6	30.26	.6	26.67	.6	23.34
.7	34.01	.7	30.17	.7	26.58	.7	23.26
.8	33.91	.8	30.08	.8	26.49	.8	23.18
.9	33.81	.9	29.98	.9	26.40	.9	23.10
81.	33.71	85.	29.89	89.	26.31	93.	23.02
.1	33.61	.1	29.80	.1	26.23	.1	22.94
.2	33.51	.2	29.71	.2	26.15	.2	22.86
.3	33.42	.3	29.62	.3	26.06	.3	22.78
.4	33.32	.4	29.53	.4	25.98	.4	22.70
.5	33.22	.5	29.44	.5	25.90	.5	22.63
.6	33.12	.6	29.34	.6	25.82	.6	22.55
.7	33.02	.7	29.25	.7	25.74	.7	22.47
.8	32.93	.8	29.16	.8	25.65	.8	22.39
.9	32.83	.9	29.07	.9	25.57	.9	22.31
82.	32.73	86.	28.98	90.	25.49	94.	22.23
.1	32.63	.1	28.89	.1	25.41	.1	22.15
.2	32.54	.2	28.80	.2	25.32	.2	22.07
.3	32.44	.3	28.71	.3	25.24	.3	21.99
.4	32.34	.4	28.62	.4	25.16	.4	21.91
.5	32.25	.5	28.54	.5	25.08	.5	21.84
.6	32.15	.6	28.45	.6	24.99	.6	21.76
.7	32.05	.7	28.36	.7	24.91	.7	21.68
.8	31.95	.8	28.27	.8	24.83	.8	21.60
.9	31.86	.9	28.18	.9	24.74	.9	21.52

TIME ALLOWANCE—CONTINUED.

measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.
95.	21.44	99.	18.43	103.	15.59	107.	12.91
.1	21.36	.1	18.36	.1	15.52	.1	12.85
.2	21.29	.2	18.28	.2	15.45	.2	12.78
.3	21.21	.3	18.21	.3	15.39	.3	12.72
.4	21.13	.4	18.14	.4	15.32	.4	12.65
.5	21.06	.5	18.07	.5	15.25	.5	12.59
.6	20.98	.6	17.99	.6	15.18	.6	12.53
.7	20.90	.7	17.92	.7	15.11	.7	12.46
.8	20.82	.8	17.85	.8	15.05	.8	12.40
.9	20.75	.9	17.77	.9	14.98	.9	12.33
96.	20.67	100.	17.70	104	14.91	108.	12.27
.1	20.59	.1	17.63	.1	14.84	.1	12.21
.2	20.52	.2	17.56	.2	14.77	.2	12.14
.3	20.44	.3	17.49	.3	14.71	.3	12.08
.4	20.37	.4	17.42	.4	14.64	.4	12.01
.5	20.29	.5	17.35	.5	14.59	.5	11.95
.6	20.21	.6	17.27	.6	14.50	.6	11.89
.7	20.14	.7	17.20	.7	14.43	.7	11.82
.8	20.06	.8	17.13	.8	14.37	.8	11.75
.9	19.99	.9	17.06	.9	14.30	.9	11.69
97.	19.91	101.	16.99	105.	14.23	109.	11.63
.1	19.84	.1	16.92	.1	14.16	.1	11.57
.2	19.76	.2	16.85	.2	14.10	.2	11.50
.3	19.69	.3	16.78	.3	14.03	.3	11.44
.4	19.61	.4	16.71	.4	13.97	.4	11.38
.5	19.54	.5	16.64	.5	13.90	.5	11.32
.6	19.47	.6	16.56	.6	13.83	.6	11.25
.7	19.39	.7	16.49	.7	13.77	.7	11.19
.8	19.32	.8	16.42	.8	13.70	.8	11.13
.9	19.24	.9	16.35	.9	13.64	.9	11.06
98.	19.17	102.	16.28	106.	13.57	110.	11.00
.1	19.10	.1	16.21	.1	13.50	.1	10.94
.2	19.02	.2	16.14	.2	13.44	.2	10.88
.3	18.95	.3	16.07	.3	13.37	.3	10.81
.4	18.87	.4	16.00	.4	13.31	.4	10.75
.5	18.80	.5	15.94	.5	13.24	.5	10.69
.6	18.73	.6	15.87	.6	13.17	.6	10.63
.7	18.65	.7	15.80	.7	13.11	.7	10.57
.8	18.58	.8	15.73	.8	13.04	.8	10.50
.9	18.50	.9	15.66	.9	12.98	.9	10.44

TIME ALLOWANCE—CONTINUED.

Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.
111.	10.38	115.	7.98	119.	5.71	123.	3.54
.1	10.32	.1	7.92	.1	5.66	.1	3.49
.2	10.25	.2	7.86	.2	5.60	.2	3.44
.3	10.20	.3	7.81	.3	5.55	.3	3.38
.4	10.14	.4	7.75	.4	5.49	.4	3.33
.5	10.08	.5	7.69	.5	5.44	.5	3.28
.6	10.01	.6	7.63	.6	5.38	.6	3.23
.7	9.95	.7	7.57	.7	5.33	.7	3.18
.8	9.89	.8	7.52	.8	5.27	.8	3.12
.9	9.83	.9	7.46	.9	5.22	.9	3.07
112.	9.77	116.	7.40	120.	5.16	124.	3.02
.1	9.71	.1	7.34	.1	5.11	.1	2.97
.2	9.65	.2	7.29	.2	5.05	.2	2.92
.3	9.59	.3	7.23	.3	5.00	.3	2.86
.4	9.53	.4	7.17	.4	4.94	.4	2.81
.5	9.47	.5	7.12	.5	4.89	.5	2.76
.6	9.41	.6	7.06	.6	4.83	.6	2.71
.7	9.35	.7	7.00	.7	4.78	.7	2.65
.8	9.29	.8	6.94	.8	4.72	.8	2.60
.9	9.23	.9	6.89	.9	4.67	.9	2.55
113.	9.17	117.	6.83	121.	4.61	125.	2.50
.1	9.11	.1	6.77	.1	4.56	.1	2.45
.2	9.05	.2	6.72	.2	4.50	.2	2.40
.3	8.99	.3	6.66	.3	4.45	.3	2.35
.4	8.93	.4	6.61	.4	4.40	.4	2.30
.5	8.87	.5	6.55	.5	4.35	.5	2.25
.6	8.81	.6	6.49	.6	4.29	.6	2.19
.7	8.75	.7	6.44	.7	4.24	.7	2.14
.8	8.69	.8	6.38	.8	4.19	.8	2.09
.9	8.63	.9	6.33	.9	4.13	.9	2.04
114.	8.57	118.	6.27	122.	4.08	126.	1.99
.1	8.51	.1	6.21	.1	4.03	.1	1.94
.2	8.45	.2	6.16	.2	3.97	.2	1.89
.3	8.39	.3	6.10	.3	3.92	.3	1.84
.4	8.33	.4	6.05	.4	3.86	.4	1.79
.5	8.28	.5	5.99	.5	3.81	.5	1.74
.6	8.22	.6	5.93	.6	3.76	.6	1.68
.7	8.16	.7	5.88	.7	3.70	.7	1.63
.8	8.10	.8	5.82	.8	3.65	.8	1.58
.9	8.04	.9	5.77	.9	3.59	.9	1.53

TIME ALLOWANCE—CONTINUED.

Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.	Measure- ment.	Allow- ance.
127.	1.48	128.	.98	129.	.49	130.	.00
.1	1.43	.1	.93	.1	.44	.....	.....
.2	1.38	.2	.88	.2	.39	.....	.....
.3	1.33	.3	.83	.3	.34	.....	.....
.4	1.28	.4	.78	.4	.29	.....	.....
.5	1.23	.5	.74	.5	.25	.....	.....
.6	1.18	.6	.69	.6	.20	.....	.....
.7	1.13	.7	.64	.7	.15	.....	.....
.8	1.08	.8	.59	.8	.10	.....	.....
.9	1.03	.9	.54	.9	.05	.....	.....

YACHTING ETIQUETTE

1. Guns should be fired **ONLY** as herein directed, and cash salute answered.
2. Whether in squadron, or otherwise, salutes should not be fired before "colors," after sunset, nor during meal hours, except upon special order or on national holidays.
3. Yachts not carrying guns, or in the failure of a gun to discharge at the proper time, the ensign should be dipped once in answer to a salute.
4. On joining other yachts at anchor a salute should be given at the moment of letting go anchor, and should be responded to by the senior officer then present by dipping the ensign.
5. When two yachts under way meet, the junior officer should salute first.
6. A Flag-officer should be saluted always and wherever met.
7. A Flag-officer's penant should be flying **ONLY** when he is on board the yacht. In port on a cruise, a Flag-officer's yacht should show a light at the ensign halliards between sunset and sunrise while the Flag-officer is on board; for Commodore a blue light; for Vice Commodore a red light; and for Rear Commodore a white light.
8. On joining fleet during a cruise a yacht should salute the flag-ship, and the flag-ship alone should respond. The Captain then should, as soon as possible, report in person on board the flag-ship.
9. No yacht should pass from a fleet during a cruise without first receiving permission from the Commodore, and on parting company should salute the flag-ship, and the flag-ship alone should respond.

10. On joining fleet at a rendezvous or under way, or in port during a cruise, a yacht flying a flag officer's pennant should be saluted by all the fleet; and when all have saluted one salute should be given in response.

If two or more flag-officers join fleet at the same time, the senior alone should be saluted.

11. When a Flag-officer joins fleet between "colors," and sunset at rendezvous or in port during a cruise, a gun should be fired at the same time his pennant is displayed; and if he joins fleet between sunset and "colors," a gun should be fired when his colors are displayed next morning.

12. On parting from a fleet during a cruise a yacht flying a Flag-officer's pennant should salute the fleet and each yacht should answer.

13. On arriving at anchorage during a cruise, if between "colors" and sunset, each yacht should fire a gun on letting go anchor, but no answer need be made by any.

14. The morning gun at 8 o'clock and the evening gun at sunset should be fired **ONLY** by the flag-ship, and the colors should be promptly hauled down by all the fleet.

15. When the fleet is disbanded, each yacht, on departing should salute the flag-ship, and the flag-ship alone should respond with colors.

16. When a flag-officer gives notice of intention to visit a yacht, and not otherwise, the visit shall be deemed official, and one gun shall be fired at the time he comes on board.

17. The Sailing Master of a yacht should under no circumstances be designated as Captain.

18. Salutes, by touching cap, should be required of Sailing Master and crew on addressing the Captain, or a guest on board, and such salutes should always be returned.

19. The starboard gangway should be used only by the Captain and his guests.

20. The order of entering and leaving boats is, juniors enter first and leave last.

21. Captains should fly their private signals only when on board; at all other times the Club signals, except, of course, between sunset and "colors."

22. Except for purpose of signaling, more than one flag should never be displayed from any mast-head or peak.

23. When two or more yachts are sailing in company, or at anchor in sight of each other, they will take their time for hoisting their colors in the morning and hauling them down at sunset, from the senior officer in command.

24. No guns should be fired on setting or hauling down the colors, except by the yacht giving the time.

25. No salute should be fired on Sundays, or before sunrise or after sundown.

INSIGNIA OF RANK.

FOR COMMODORE.

Cap. On the front the gold, black letters, I. L. Y. A. with a five pointed star, embroidered in silver, on each side of and one above the letters.

Coat. Double breasted, square cut of navy-blue cloth with gilt yacht buttons. Three stripes one-half inch apart of black braid three-eighths of an inch wide on sleeves, the lower stripe to be two and one-half inches from edge of cuff. The top stripe to form an oval loop on upper side of sleeves. A five pointed star embroidered in silver on each side of and one above the loop.

FOR VICE-COMMODORE.

Cap. Same as Commodore omitting the star above letters.

Coat. Same as Commodore, omitting the star above loop.

FOR REAR-COMMODORE.

Cap. Same as Commodore, omitting the stars on each side of letters.

Coat. Same as Commodore, omitting the stars on each side of loop.

FLEET CAPTAIN, SECRETARY-TREASURER, FLEET SURGEON, AND MEASURER.

Cap. Same as Commodore, omitting stars and substituting the initial letters of their office, embroidered in silver above the letters I. L. Y. A.

Coat. Same as Commodore omitting the three stars.

PENNANTS.

The Commodore shall fly a swallow-tailed blue burgee, on which is a foul anchor and three white stars.

The Vice-Commodore shall fly a swallow-tailed red burgee on which is a foul anchor and two white stars.

The Rear-Commodore shall fly a swallow-tailed white burgee, on which is a foul anchor and one blue star.

The Fleet-Captain shall fly a pointed white flag on which are the letters F. C. in red.

These flags shall be furnished by the association and shall be returned by the officers upon the expiration of their term of office.

Inter-Lake Yachting Ass'n.

SIGNAL CODE.

The Signal Code of the Association comprises seven flags, viz: H., J., L., R., S., V., and the answering pennant.

All yachts of this Association should be provided with the flags above designated.

In signaling, hoist the flags where they will be best seen.

The answering pennant must be shown as soon as the signal is seen and hoisted.

Yachts will commence to execute an order when the signal ordering it is hauled down.

Flags and Pennants for this Code to correspond with those of U. S. Navy.

CODE.

PREPARITORY.

- H Yes.
- J No
- L Repair on board all hands.
- R Boats recall.
- S Prepare to get under way.
- V Get under way.
- H J Captains come aboard.
- H L All hands come aboard.

SAILING ORDERS.

- H R Anchor without regard to order of sailing
- H S Anchor as near the flag-ship as possible.
- H V Bear away at right angles to present course
- J H Bear up at right angles to present course
- J L Flag-ship will lead, other vessels will follow.
- J R Bear away, in succession, in wake of leading vessel.

J S Bear up, in succession, in wake of leading vessel.
 J V Tack, in succession, in wake of leading vessel.
 L H Tack all together.
 L J Wear all together.
 L R Wear in succession, in wake of leading vessel.
 L S Haul by the wind on starboard tack.
 L V Haul by the wind on port tack.
 R H Leading vessel shorten sail.
 R J Leading vessel lay to.
 R L Close more the order of sailing.
 R S Fleet shorten sail.
 R V Fleet lay to
 S H Disregard all particular order of sailing.
 S J Sail direct for (name of place to be designated in next signal).
 S L Race postponed. Look for further orders.
 S V Sail on course to be designated by next signal.
 V H Cannot understand your signals.
 V J Race will come off at -----

ABOARD.

H J L Will you come aboard.
 H J R Do you wish us to come aboard?

ACCIDENT.

H J S Have you met with an accident?
 H J V We have met with accident.
 H L J There was an accident, but not to us.
 H L R The accident is serious.
 H L S The accident is not serious.

ANCHOR.

H L V Where shall we anchor?
 H R J Do you wish to anchor before dark?
 H R L We wish to anchor before dark
 H R S Anchor near us.
 H R V Is the anchorage good?
 H S J The anchorage is bad; do not come to.
 H S L The anchorage is very good; well sheltered.
 H S R The anchorage is open, but good holding ground.

ASHORE.

H S V Are you going ashore?
 H V J We are going ashore.
 H V L Will you go ashore in our boat?
 H V R There are letters for you ashore.
 H V S There are some friends of yours ashore.

ASSISTANCE

J H L Are you in need of assistance?
 J H R We are in need of assistance.

BUOY-BEACON.

J H S Leave the buoy (or beacon) to starboard.
 J H V Leave the buoy (or beacon) to port.

COMMUNICATION.

J L H Come nearer; we have important communication.

COURSE.

J L R Are we on a safe course?
 J L S What is the proper course?
 J L V Keep your present course.
 J R H North.
 J R L Northeast.
 J R S East.
 J R V Southeast.
 J S H South.
 J S L Southwest.
 J S R West.
 J S V Northwest.

BOAT.

J V H We have no boat.
 J V L Can you send us a boat?

DANGER.

J V R You are standing into danger.
 J V S You are in a dangerous position.

ENSIGN.

L H J Show your ensign.

HARBOR.

- L H R What harbor are you from?
- L H S To what harbor are you bound?
- L H V What harbor will you make to-night?
- L J H What is the nearest good harbor?

LANDING.

- L J R Where is the best landing?

LEAD.

- L J S Keep your lead going.

ROCKS.

- L J V There are dangerous rocks; look out.
- L R H Rocks are covered with water.
- L R J If you sight rocks, signal us.
- L R S The rocks are in sight.

SHORE.

- L R V Keep in near the shore.
- L S H Keep clear of the shore.

SHOAL.

- L S J There is shoal water ahead.
- L S R What depth of water is there?
- L S V There is over a fathom of water.
- L V H There is over five feet of water.
- L V J There is over four feet of water.

WEATHER.

- L V R Weather looks bad; you better make harbor.

NAMES OF PLACES

- R V L Amhersburg.
- R V S Ballast Island.
- R H J Bar Point.
- R H L Bay Point or North Cape.
- R H S Black Biver.
- R H V Bois Blanc Island.
- R H S Black River.
- R H V Bois Blanc Island.

- R J H Catawba Island.
- R J S Cedar Point, Maumee Bay.
- R J V Cedar Point, Sandusdy Bay.
- R L H Cleveland.
- R L J Detroit.
- R J L Dunkirk.
- R L S Erie.
- R L V East Sister.
- R S H Fighting Island.
- R S J Gard's Island.
- R S L Gibraltar.
- R S V Grosse Isle.
- R V H Green Island.
- R V J Grassy Point.
- R V L Huron.
- S H L Ironville.
- R V S Hen and Chickens.
- S H R Johnson's Island.
- S V H Jamestown.
- S J H Kelley's Island.
- S J L Lakeside.
- S J R Locust Point.
- S J V Middle Island.
- S L H Middle Bass Island.
- S L J Middle Sister Island.
- S L R Monroe.
- S L V Moores Point.
- S R H Mouse Island.
- S R J Marblehead Light.
- S R L Manhattan.
- S R V North Bass.
- S V H Ottawa.
- S V J Edgewater.
- S V L Put-in-Bay.
- S V R Point au Pelee.
- V H S Presque Isle.
- V H L Port Clinton
- V H R Point Mouillee.
- V H S Rondean Harbor.
- V J H Rattle Snake Island.
- V J L Rocky River.
- V J R Raisin Point.

V J S Scott's Point.
V L H Sandusky.
V L J South Bass.
V L R Swan Creek.
V L S Stony Point.
V S L Toledo.
V R H Trenton.
V R J Turtle Light.
V R L West Sister.
V R S Wheeling Bridge.
V S H Ward's Canal.
V S J West Harbor.
V S R Wyandotte.

MISCELLANEOUS.

H J L R Ashtabula River.
H J R S Buffalo.
H J L S Bell Isle.
H J S R Conneaut.
H J V R Canada.
H L J R Erie.
H L R S Gibraltar Light.
H L V R Grand River (Ohio)
H R J S Inner Bay (Long Point Island).
H R L S Long Point Island.
H R V S Port Burwell.
H S J R Port Colborne.
H S L R Port Dover.
H S L V Port Huron.
H S R V Port Maitland.
H S V R Fort Stanley.
H S V L St. Clair Flats.
H V R S Vermillion River.
H V R L Kingston.
H V R J Montreal
H V S L Toronto.

