

Minutes of the Twenty-third Meeting of the Board of Directors held
14 December 1976 at U.S. Coast Guard Headquarters, Washington, D.C.

The following were in attendance:

23rd

John M. Beukers
W. L. Polhemus
L. F. Fehlner
D. T. Haislip
R. A. Pasciuti
W. Dean

J. P. Van Etten
L. D. Higgenbotham
W. Roland
J. Culbertson
B. Uttam
E. L. McGann

Absent from the meeting:

E. Durbin
R. H. Doherty

Also in attendance:

V. Johnson
K. Bruhl
W. J. Frederick

The meeting was brought to order at 9:35 a.m. by the President,
John Beukers.

1. In the absence of the Secretary for the morning session, the President asked Fehlner to act in his behalf. The minutes of the twenty-second meeting were read by Fehlner and corrections were introduced as follows:
 - a. Section 2 - Change "Rowl" to "Roll" and delete "s" from "Fredericks".
 - b. Section 3 - delete words in quotations under "First correction": and substitute "A Club Constitution for the formation of a Southeast Chapter was presented by the Constitution Committee and approved. It was agreed that the Club Charter should be presented at the banquet."
 - c. Section 4 - insert the word "former" before the word "capacity". Delete all the words following the word "relating" and substitute "his suggestions regarding President's reports to the membership."
 - d. Section 5.1 - Indicate that J. Beukers is Chairman of the Executive Committee and Culbertson, Roland and Polhemus are members.

- e. Section 5.2f - Insert in the space immediately ahead of "VOR/DME" the following "Omega for over-ocean navigation where adequate Loran-C coverage exists and to". Delete all the words following "RTCA" through "used changes" and substitute "had completed Minimum Performance Standard DO 159 for Loran-A and Loran-C and its incorporation into a TSO should be followed up."
- f. Section 6. - Delete the "s" from "Fredericks" and add following "Frederick", co-chairman.
- g. Section 12a - In the 3rd sentence place a period after the words "Honorary Member may not vote", delete the remainder of this paragraph and substitute the following:

"The view of the Constitution Committee is that an Honorary Member should not have the right to vote or hold office unless he elects to pay dues. A proposed revision to Constitution Article IV Membership reflecting this view was submitted to the Board. Copies were provided to the Directors for review prior to the next meeting. The proposed revision also changes the requirements for Regular Member from 'has made or is making a significant contribution to Loran' to 'has an interest in the field of Loran.'"
- h. Section 12c - Delete the 1st paragraph and substitute the following:

"Johnson noted that the Constitution/By-Laws are clear on the authority and responsibility of the Board for general management of the affairs of the Association, but is not clear on the specific action that require attention or approval by the Board. Further, the By-Laws are clear on the authority and responsibilities of the Executive Committee to administer the business affairs of the Association in accordance with resolutions of the Board. Review and better definition of responsibilities in this area appears needed toward the objective of reducing the administrative load on the Board."

The Minutes as corrected were approved upon a motion for approval by Roland, seconded by McGann.

4. President's Report.

- a. Announced appointment of Samuel Goldstein as Chairman of Special Committee for Publicity; also Chairmanship of Historical Committee is still open.

pointing out that obtaining charter flights is discouragingly complex (researched by Hilburn), etc. Whereupon, the President pointed out that most of the things under discussion were within the pervue of the committee. He then advised the committee that the committee has the responsibility for the convention; only those actions that commit the WGA require Board approval.

- g. Nomination and Election Committee - Dean reported Pascuiti had joined the committee.

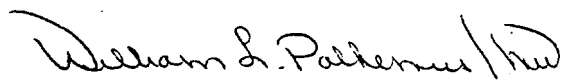
8. Special Committee Reports

- a. Congressional Liaison - McGann read and submitted a written report. McGann also read WGA letter to Ted Lutz congratulating him on his new position at Metro.
- b. FAA Certification. Pascuiti discussed his recent activities, having investigated the standing of the RTCA Minimum Performance Document. Pascuiti reported that FAA has certification of Loran-C in abeyance pending certification of Omega. Pascuiti submitted written report.
- c. WGA Journal. Uttam read and submitted written report. Polhemus moved that Uttam be directed to put WGA 1976 Journal into NTIS system at a cost of \$40. Higgenbotham seconded. Motion carried. Whereupon Uttam asked direction of Board in the matter of publishing the Goose Gazette. The Board consensus was to postpone indefinitely the resumption of the publication of the Gazzette.
- d. Spectrum Clearance - Fehlner read and submitted a written report which recommended action by the Board. This recommendation was deferred to the next meeting in view of late hour.
- e. Publicity - Beukers reported the appointment of Goldstein as Chairman. No discussion.

9. Newsletter. Higgenbotham reported letter ready to go.
10. Status of West Coast Chains - Culbertson summarized the status, details of which are to be incorporated in the Newsletter.

It being 1600 hours, Roland moved to adjourn. Culbertson seconded.

Respectfully submitted,


William L. Polhemus
Secretary

- b. Durbin and Doherty were contacted for expression of continued interest in the Board in view of their absence from Board meetings. Both expressed an interest to continue and indicated their plans were to return to active status.
 - c. Indicated desire to gather as many current mail items together in a single mailing by V. Johnson.
 - d. Distributed memo pads with WGA letter head.
 - e. Asked Board's concurrence in passing decision to buy large and small logo decals to Executive Committee. Board concurred.
 - f. Passed order blank for WGA calling cards. Also passed order blank for letterhead correspondence paper.
 - g. Passed six items of incoming correspondence to members having principal perview.
 - h. Discussed arrangements for lunch. Luncheon guests were to be Hamilton Herman, Bill Owens, Bill Mohin, Clarence Mosher and Malcolm Abrams.
5. Treasurer's Report. Roland read report and submitted written report for the record. Approved by Board following Haislip's motion for approval and Culbertson's second.
6. Secretary's Report - None.
7. Standing Committee Reports.
- a. Executive Committee - none
 - b. Constitution Committee - Johnson read and submitted written report. Fehlner moved to table suggested Board action on Constitution and By-Laws in Johnson's report pending further development by committee. Pasciuti seconded. Board approved. Fehlner moved that the Board authorize the Constitution Committee to register the WGA emblem as expeditiously as possible at reasonable cost. Culbertson seconded. Dean moved to amend motion to limit cost to no more than fifty dollars. Pasciuti seconded. Board defeated the amendment. Question on motion was called. Board approved motion.

- c. Membership - Higgenbotham reported that the current paid membership stood at 385. WGA gained 35 new members since the convention.
- d. Historical Committee - none.
- e. Awards Committee - Fehlner read and submitted written report. No discussion followed.
- f. Convention Committee - Bruhl read and submitted written report. Discussion of report was deferred to P.M.

At this point the proceedings were interrupted for a discussion of luncheon arrangements by McGann.

Because Van Etten could not attend the PM session, Agenda item 8d, Loran-C Specifications, was taken up next. Van Etten briefed and submitted a written report. Considerable discussion ensued regarding the relationship of the Loran-C specifications and the WGA Loran-C Characterization. It was agreed that the specification would be different in that tolerances would be included and much of the technical supporting information would be deleted. The specification then would include definitions of the terminology, specification of the signal on the air and tolerances that attach thereto. In this respect it will be a sequel, not a supplement to the WGA Characterization. Since it is expected to be published by the Government, suggestions were made that WGA not publish the specification, rather distribute copies obtained from the Government source.

It being 1130 hours, Roland moved to recess for lunch. Haislip seconded and the meeting was recessed.

The meeting was resumed at 1430 hours with Van Etten and Johnson absent.

Extended discussion of the 1977 convention resumed where it had left off in the AM. In due course, Roland moved that the Board indicate to the Convention Committee that the primary choice for days of the week are Wednesday, Thursday and Friday, the middle day being devoted to WGA technical sessions and the following day devoted to the joint interests of WGA and Fish Expo. The secondary choice is Thursday, Friday and Saturday. Dean seconded. Motion carried. Whereupon Culbertson moved that WGA investigate the feasibility of having cost-free, service-connected WGA booth at Fish Expo. Haislip seconded. Motion carried. Whereupon Dean moved that the Convention theme be "Loran-C Comes to the West Coast". Uttam seconded. Motion passed. At this point discussion of Convention report resumed,

13 December 1976

TO: WGA BOARD OF DIRECTORS
FROM: WGA 1977 CONVENTION CO-CHAIRMEN
SUBJ: 1977 CONVENTION PLANNING

Preliminary work has been started for the 1977 convention. From liaison with Dan Panshin, and other considerations, it appears that the most reasonable dates for our convention are October 12, 13, and 14, 1977. The fish expo is scheduled for October 14 through 17, 1977 and this would provide us with the best lead-in dates. An alternative would be to set our dates back one day to give us more of an overlap with the expo. In that case our dates would be October 13, 14, 15. This may well be advantageous in that more users would be on scene during our convention.

We have conferred with Bill Reveille, convention chairman for 1975 and 1976, and he has been of great help in providing information relative to budgeting and planning for a successful convention. Dan Panshin is already at work on the West Coast coordinating our convention with the fish expo which will be held at the Seattle Exposition Center. He has recommended (enclosure (1)) that we look for a nearby site for our activities. We plan to make great use of both Dan and CDR Bob Dugan during our planning stages. Their West Coast location will be of great value to us in the early stages of planning.

Our initial efforts have brought forth the following recommendations for consideration by the board of directors:

1. Preliminary convention announcements should be mailed in January.
2. The theme of this convention should be "LORAN C COMES TO THE WEST COAST".
3. Charter flights arranged by WGA should not be considered further. The varied points of departure, varying lengths of attendance, and the Oceans 77 convention (Los Angeles 17 October) introduce too many variables to make this a reasonable course of action.
4. Free admission on the last day of our convention to users attending the Fish Expo. It is unlikely that these people will spend the money to register for our convention but it would certainly be to our advantage to have them.
5. Make an effort to get user(s) to submit papers for the last day of our convention. Barry Fisher, chairman of Fish Expo and very influential at the West Coast Loran C Conference, would be a fine choice if he can be persuaded to relate his experiences with Loran C in this coming year.

TO: WGA BOARD OF DIRECTORS
SUBJ: 1977 CONVENTION PLANNING

December 13, 1976
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6. It is hoped that this year we can count on stronger company participation than in the past. We feel that a strong pitch should be made for an equitable assessment of companies so that a reasonable equitable financial role can be shared by those interested. In past years a few companies have contributed at varying levels. Since past conventions have shown a profit it is even possible that these company contributions could be counted as pre-registration fees. This "front money" will be necessary for pre-convention expenses. The method of obtaining it is obviously a decision to be made by the board of directors.

7. We should, at a very early date, determine how many companies will be interested in placing exhibits at the convention so that adequate space can be provided. We feel that industry participation in this regard should be encouraged as much as practicable.

8. In past years Jim Van Etten has provided the necessary printing services free of charge. Can we continue to count on this or must alternative means be planned?

The foregoing recommendations and questions constitute what we consider a fair start on convention planning. We have not yet contacted a number of people who have indicated a desire to contribute ideas and suggestions to make our convention better. They will be contacted, their ideas screened, and further recommendations will be made to the board of directors at subsequent meetings.

Respectfully Submitted

Keith R. Bruhl

Warren J. Frederick

Encl: (1) Dan Panshin ltr to Keith Bruhl

School of
Oceanography



Corvallis, Oregon 97331

(503) 754-3504

December 6, 1976

Keith R. Bruhl
3110 Faber Drive
Falls Church, VA 22044

Dear Keith:

With respect to next year's Wild Goose Convention, I have checked with National Fisherman (the sponsor of Fish Expo), Mr. Barry Fisher (next year's Fish Expo program chairman), plus a person knowledgeable with Seattle hotels.

All parties are interested in the joint-session possibility and feel that it is worth pursuing. Next year Fish Expo is scheduled from 14 - 17 October; this is a Friday through Monday. I discussed the possibility of Wild Goose presenting a morning session for Fish Expo attendees on Friday or Saturday.

I would expect that Wild Goose might want to meet in a hotel within walking distance of the Seattle Center. Wild Goose would present the Fish Expo session in one of the meeting rooms at the Seattle Center. The other Wild Goose sessions could then take place at the hotel. I have been assuming that there would be a Wild Goose technical session separate from the Fish Expo session. Is this correct? Would Fish Expo attendees be welcome to attend it? In a reciprocal way, I can see that Wild Goose attendees might profit from attending the trade show and professional sessions at Fish Expo.

We should include Barry Fisher and National Fisherman in our planning. The Fish Expo session should be quite practical. A possible title is "Loran-C Comes to the West Coast?" We could deal with what Loran-C is plus practical operational questions dealing with such important user questions as receivers and coordinate conversion. Perhaps we might even include some non-Wild Goose people in the session like, for instance, commercial fishermen who have operating experience with Loran-C.

I am exploring the availability of space at hotels close to the Seattle Center. Who on the committee will be taking responsibility for hotel arrangements? It would be helpful if a Seattle person could handle this function.

I look forward to hearing from you and learning what the reaction of the Board of Directors is.

Cordially,

A handwritten signature in cursive script that reads "Dan Panshin".

Daniel A. Panshin
Extension Oceanographer

cc: R. Dugan
L.W. Bower
J. Beukers
R.B. Fisher

WILD GOOSE ASSOCIATION

TREASURER'S REPORT

12/13/76

Previous Balance, 8/31/76 ----- \$3,317.40

Transactions, 9/01/76 to 12/13/76

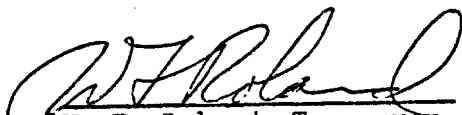
Receipts:	Dues -----	\$ 500.00	
	Convention '75 -----	28.50	
	Convention '76 -----	8,037.00	
	Journal, Advertising & sales	2,920.50	
	Tie Tack Sales -----	228.70	
		<u>\$11,714.70</u>	
			\$15,032.10

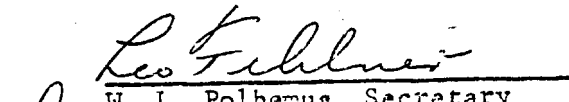
Expenses:	Printing and Postage -----	\$ 442.49	
	Convention '76 -----	6,481.80	
	Journal Cost -----	5,649.00	
	* Tie Tack Expenses -----	423.47	
	Administration -----	32.24	
		<u>\$13,029.00</u>	
			\$ 2,003.10

Check Book Balance, 12/13/76 ----- \$ 2,003.10

Submitted 12/14/76

Approved by the Board of Directors


W. F. Roland, Treasurer


W. L. Polhemus, Secretary

* Treasurer noted that this item should have been listed as Medal of Merit Expenses. *R.F.*

WILD GOOSE ASSOCIATION

TREASURER'S REPORT

8/31/76

Previous Balance, 1/12/76 ----- \$2,767.46

Transactions, 1/13/76 to 8/31/76

Receipts:	Dues -----	\$1,917.50	
	Convention '75 -----	58.00	
	Journal -----	515.48	
		<u>2,490.98</u>	5,258.44


Expenditures:

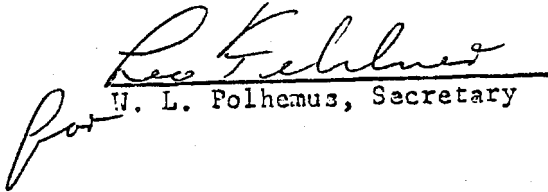
Postage and Printing -----	384.25	
Convention '75 -----	483.10	
Convention '76 -----	100.00	
Journal -----	10.00	
Administration and Election -	166.04	
Tie Tacks and Awards -----	797.65	
	<u>1,941.04</u>	3,317.40

Check Book Balance, 8/31/76 ----- 3,317.40

Submitted 12/14/76

Approved by the Board of Directors


W. F. Roland, Treasurer


W. L. Polhemus, Secretary

WGA

For the Record

13 Dec 1976

Awards and Presentations for the Year 1975-76

Regional Club Charter - Southeast Chapter
accepted by James Graydon

Service Awards:

Murray Block

Mel Chaskin

James P. Van Etten

Claude J. Pasquier

William K. Vogeler

William F. Beveille

Norman C. Dickerson, Jr.

Paper Award:

Roger W. Hassard

Medal of Merit

John D. Havelle

Honorary Memberships (none)

President's Award (none)

Leo Fehlner
Leo Fehlner
Awards Chairman

WILD GOOSE ASSOCIATION

December 13, 1976

Memorandum

To: WGA Board of Directors

From: Awards Committee

Subject: Report of Awards Committee for Board Meeting of
14 December 1976

Enclosure: (1) Memo to All WGA Members dtd 1 November 1976

1. The Awards Committee members for 1976-77 are Cal Culver, Jim Graydon, Bill McNeil and Steve Ryan.
2. Since the Convention in October 76, the Awards Committee has edited the "Awards Committee Report" (Enclosure (1)) to reflect the changes in the Medal of Merit necessitated to keep the medal procurement within the budget established by the Board at its twenty-first meeting. This report with a covering memorandum to all WGA members was forwarded to Verne Johnson so that he could include it with other material in a combined mailing to the membership. Since the last Board meeting, the Committee has not transacted any new business.
3. The Committee plans to submit a report on its deliberations regarding last year's awards at the next Board meeting.

Respectfully submitted,



Leo Fehlner
Chairman



WILD GOOSE ASSOCIATION

1 November 1976

Memorandum

To: All WGA Members

From: Awards Chairman

Subject: The WGA Awards Program

Enclosure: (1) "Report of the Awards Committee of the
Wild Goose Association," 23 September 1976

(2) Names and Addresses of Committee Members

Our By-Laws require that the Awards Committee prepare a report on the awards program and distribute it to the members. This report is Enclosure (1). It was approved by the Board 22 September 1976. It describes each award and gives the criteria and procedures for awarding each.

You probably are too busy to read the report - it is fairly long. But as a minimum please do the following:

1. Recommend nominees for the 1977 awards to any member of the Awards Committee. See Enclosure (2). Follow the procedures given in Enclosure (1) for the type of award you are recommending.
2. Send a bibliography of reports, papers, presentations (i.e., publications of any kind) you have authored or co-authored related to loran. Go back in time as far as you wish, there is no limit. If possible, include brief abstracts.

Leo Fehlner
Awards Committee Chairman

BOARD OF DIRECTORS

J. P. VAN ETEN President
L. F. FEHLNER Vice President
W. F. ROLAND, Cdr. Treasurer
J. M. BEUKERS Secretary
T. DANIELS
W. N. DEAN
R. H. DOHERTY
E. DURBIN
R. FRANK
D. T. HAISLIP
L. D. HIGGINBOTHAM
J. A. PARINI
R. A. PASCIUTI
C. J. PASQUIER



WILD GOOSE ASSOCIATION

23 September 1976

Report of the Awards Committee of the Wild Goose Association

Introduction

The Constitution of the Wild Goose Association authorizes the issuance of awards for significant contributions to the aims and purposes of the Association (Article XIII), and also Honorary Membership (Article IV) for outstanding contributions to loran. The By-Laws authorize an Awards Committee to administer the Awards Program (Article IX), and they also authorize four awards: the Medal of Merit, the Paper Award, the Service Award and the President's Award (Article XI).

The By-Laws require the preparation and distribution of a report to the membership describing the authorized awards and detailing the criteria and procedures for nomination and selection of recipients of the awards.

Honorary Membership

Description

Honorary Membership is awarded for life and is exempt from initiation fees and dues. It is conferred by a formal certificate accompanied by a letter signed by the President. The letter conveys the reasons for the award and the appreciation of the Association for the outstanding contribution to loran. Both documents are framed.

Criteria

Honorary Membership may be granted to any person who has made an outstanding contribution to loran. This contribution

Enclosure (1)

may be in any single discipline (e.g., operational, technological, political, economic) or in any combination.

Procedures

Nominations for Honorary Membership should be made by any member of the Association at anytime. Nominations are to be sent to the Chairman of the Awards Committee accompanied by a description of the outstanding contribution that the member proposes as qualifying the nominee for the award.

Each nomination received by the Awards Chairman from the Membership will be reviewed by the Awards Committee. Those that are favorably evaluated against the criteria will be forwarded to the Board of Directors for approval, along with the record of the Committee's disposition of each nomination. At anytime, the Committee may recommend candidates for Honorary Membership on its own initiative. These recommendations will be submitted to the Board along with the Committee's justification for each.

Upon approval by the Board, the Awards Chairman will prepare the Certificate of Honorary Membership and the President's letter for presentation.

Honorary Membership will be awarded by the President, usually at the annual convention unless serious and unusual circumstances dictate otherwise.

Medal of Merit

Description

The Medal of Merit is a 1-1/2 inch diameter gold-plated medallion which is a faithful, rose gold representation of the Wild Goose Association emblem except that the spellout around the border is "Wild Goose Association" at the top and "Medal of Merit" at the bottom. The name of the recipient and the date of the award is engraved on the back of the medallion. It is suspended from a pin by a white and blue ribbon. This award is

accompanied by a framed citation signed by the President which conveys the reasons for the award and the appreciation of the Association.

Criteria

The Medal of Merit may be awarded to any person for a contribution of outstanding value to the development or fostering of IORAN, normally after the exceptional nature of the contribution is clearly recognized. See By-Laws, Article XI, Section 1. It is the Association's highest award.

Contributions by the person will be considered of outstanding value and of clearly recognizable exceptional nature only if the contribution involves or impacts more than one discipline pertinent to IORAN, and the nominee has continuously made the cited contribution long enough, or sufficient time has elapsed since the nominee ceased making the contribution cited, to clearly discern the dimensions of the contribution and its lasting qualities. Disciplines to be considered include but are not limited to: research, development, engineering, operations, administration, legislation, finance, economics, politics, marketing.

Procedures

Nominations for the Medal of Merit should be made by any member or by a group of members of the Association at anytime. Nominations should be sent to the Chairman of the Awards Committee accompanied by a description of the nominee's outstanding contribution and the member's evaluation of the way in which the contribution meets each aspect of the criteria for a Medal of Merit award.

Each nomination received by the Awards Chairman from the Membership will be reviewed by the Awards Committee. If the nomination is signed by ten members, the Awards Committee will evaluate the exceptional nature of the contribution against the criteria. If the nomination is signed by less than ten members,

the Awards Committee will verify to the extent possible through independent investigation or personal knowledge the exceptional nature of the contribution. The Committee will then evaluate the contribution against the criteria.

At anytime, the Awards Committee may authorize the award of the Medal of Merit on its own initiative. For each case acted on by the Awards Committee, the Committee will document, for the Secretary's record, the origin of the case, its evaluation of the contribution against the criteria and the disposition of the case. Authorization of the award of the Medal of Merit will be by unanimous decision of the Awards Committee.

The Awards Chairman will prepare the Medal of Merit and President's citation for presentation.

Medals of Merit will be awarded by the President, usually at the annual convention unless serious and unusual circumstances dictate otherwise.

Paper Award

Description

The Paper Award is a trophy inscribed with the name of the Association, the title "Best Paper Award," the date, the name of the recipient and the title of the paper. The trophy is nominally 8-inches tall and is topped by a model of the wild goose.

Criteria

Once a year, the Paper Award may be awarded to a member of the Association who has been the author, or to co-authors if one is a member, of a paper presented or published at anytime prior to 1 July. Preprints of papers to be presented at an annual convention are not to be considered for the award of the current year.

Papers considered for the award will be judged on the basis of five criteria: style, originality, weight of the subject matter, clarity of expression and impact on loran. Each of the criteria will be given equal weight.

Procedures

Each member of the Association should initially send to the Awards Chairman a bibliography of the papers he or she has authored or co-authored. Subsequently, each member should inform the Awards Chairman of the title and date of additional published papers. If possible, the member should include the Awards Chairman in the initial distribution of the paper.

Each year, each member of the Association should send to the Awards Chairman the titles, dates, authors and source of one to ten papers which he or she believes should be considered for the Paper Award. From all recommendations received by 1 July, and from similar lists of titles formulated by the Awards Committee on its own initiative, the Committee will select ten papers to be evaluated against the criteria. After evaluation of these papers by each member of the Committee, the Committee will select the best paper for the Paper Award of the year by simple majority.

The Awards Chairman will prepare the Paper Award for presentation by the President at the annual convention.

Service Award

Description

The Service Award is a framed certificate. It identifies the Association, the recipient and the outstanding service to the Association for which it is awarded. It is signed by the Awards Chairman.

Criterion

The Service Award is given to members who have distinguished themselves by service to the Wild Goose Association.

Procedures

Each member of the Association should notify the Awards Chairman promptly upon learning of service by a member which could meet the criterion for the Service Award.

All recommendations received from the Membership by

1 August will be considered by the Awards Committee, along with the distinguished service of other members known to the Committee. Members to receive awards will be selected by the Awards Committee. The Awards Chairman will present the certificates at the annual convention.

President's Award

Description

The President's Award is a plaque inscribed with the name of the Association, the name of the award, the date, the name of the recipient and the reason for the award.


Criterion

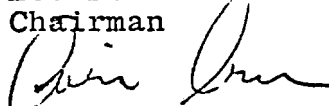
The President's Award is awarded at the discretion of the President to any person (or persons) who has contributed significantly to the achievement of the aims and purposes of the Association.

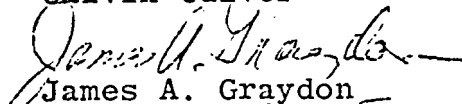
Procedure

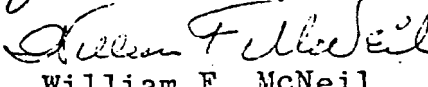
Each member of the Association should recommend to the President candidates for the President's Award at anytime. The member should include his or her reasons for the recommendation.

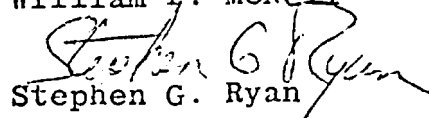
The President will announce his choice for the award to the Board of Directors, and upon approval by the Board, the Awards Chairman will prepare the plaque for presentation by the President at the annual convention.


Leo F. Fehlner
Chairman


Calvin Culver


James A. Graydon


William F. McNeil


Stephen G. Ryan

Enclosure (2)

Awards Committee Members

Leo F. Fehlner, Chairman
118 Quaint Acres Drive
Silver Spring, MD 20904
301/953-7100 X3074

Calvin Culver
9436 Irondale Avenue
Chatsworth, CA 01311
213/998-1216

James A. Graydon
741 Revere Avenue
Fort Walton Beach, FL 32548
904/882-2988

William F. McNeil
1900 S. Eades Street
Arlington, VA 22202
202/296-1999

Stephen G. Ryan
4141 Eastern Avenue, S. E.
Grand Rapids, MI 49508
616/241-8359



WILD GOOSE ASSOCIATION

December 13, 1976

MEMORANDUM TO MR. W. POLHEMUS, SECRETARY WGA

FROM: J. P. VAN ETEN, CHAIRMAN
LORAN-C SPECIFICATION COMMITTEE

A WGA Committee has been formed to assist USCG in preparation, and official promulgation, of a standard Loran-C signal-in-space specification. The Committee members are as follows:

J. Culbertson, Capt. USCG, Vice Chairman
L. Fehlner
W. Romer
J. P. VanEtten, Chairman

The Vice Chairman is organizing an approved USCG effort to prepare the Loran-C Specification. A draft specification will be prepared by an ad hoc USCG committee consisting of two members from USCG Office of Marine Environment and Systems (W) and two members from USCG Office of Engineering (E). This committee is expected to be named by 12/15/76.

A target schedule of events has been established by the Chairman and Vice Chairman as follows:

<u>Milestone</u>	<u>Target Date</u>
- Establish ad hoc USCG Committee & Charter	12/15/76
- Ad hoc committee prepares draft specification outline for review	1/15/77
- USCG & WGA Specification Committee completes review and comment of draft specification outline	2/1/77
- Ad hoc committee completes working draft of specification for review	3/15/77
- WGA Specification Committee completes review of working draft specification	4/15/77
- Ad hoc committee completes 2nd draft of specification for review and approval	5/15/77

Mr. W. Polhemus

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<u>Milestone</u>	<u>Target Date</u>
- WGA specification committee and USCG complete review and approval of 2nd draft specification	6/15/77
- USCG finalizes Loran-C specification and publishes in appropriate official document	8/1/77
- WGA also publishes as a WGA supplement to Navigation Journal 1977	8/1/77

The Committee will call upon experts in the WGA to review and comment upon individual sections of the working draft specification and coordinate and expedite the two review cycles.

/cls

cc: Messrs. J. M. Beukers, President
J. Culbertson
L. Fehlner
W. Romer

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WILD GOOSE ASSOCIATION

December 13, 1976

TO: WGA Board of Directors

FROM: Congressional & Intra-Dept. Liaison Committee
E. McGann, K. Bruhl

SUBJECT: Report of Committee for 23rd Board Meeting

From the last Board meeting this committee came away with four specific actions:

- 1) Begin establishing broader contacts between the WGA and the DOT hierarchy.
- 2) Make initial contacts with GPS Program Office.
- 3) Write a functional description/charter for this committee.
- 4) Form the committee list.

In addressing item (1) this committee has arranged for the DOT Assistant Secretary of Systems Development and Technology, Mr. Hamilton Herman, his Deputy Assistant, Mr. William Owens and Commander William C. Mohin of the Loran-C Applications Office to join with the WGA Executive Board at luncheon at this 23rd meeting. The intent of this meeting will be to get further acquainted and to present to the guests such WGA positions as the Board deems appropriate, including the establishment at the highest levels of DOT an office of National Navigation Policy.

Also in addressing (1), this committee has interacted with the FAA Certification Committee to keep current on USCG/FAA helicopter demonstrations and tests as a prelude to instigating high level DOT/FAA contacts to assist in the certification effort.

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With regard to (2), initial contact was made with GPS Program Manager, Col. Parkinson and Technical Director Lt. Col. Strom at the PLANS '76 meeting in early November in San Diego. The prospect of GPS/Loran cooperation and/or interaction was not easily received on this initial contact, but these individuals were invited to meet with us formally or informally and a schedule of our upcoming Board meetings will be forwarded to them for possible coordination. It remains to pursue contacts here in DDR&E and the Pentagon. Considerable writeups on GPS is available from the PLANS transcripts.

No action has yet begun on item (3). As of now this committee consists of E. McGann and K. Bruhl with J. Van Etten expected to join in the next reporting period, this is in compliance with item (4).

In the next two months, the above items will be developed further and with the Presidential inauguration and new people everywhere this committee will endeavor to define and locate those people in functions of particular interest to the Loran community.

Submitted by:

Edward L. McGann

Keith Bruhl

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WILD GOOSE ASSOCIATION

December 13, 1976

To: WGA Board of Directors

From: FAA Loran-C Certification Committee

Chairman: R. A. Pasciuti

Members: Walter Dean - Magnavox
Fred Chambers - Teledyne

First ascertained status of DO-159, RTCA MPS issued October 17, 1975 being incorporated in TSO.

Henry Anderson of FAA Flight Standards has this project. Higher priority project is TSO for Omega. Omega is replacement system for Loran-A which is due to be turned off December 1977 on North Atlantic. Talked with Chuck Walters, FAA Flight Standards. Henry Anderson out sick.

Also, airborne helicopter demonstration held 9 Dec 1976 at Cape May, New Jersey for high level officials of C.G., DOT and FAA. This demonstrated Teledyne's Loran-C Area Navigator TDL 424 with data link.

I believe first task of the committee will be to ascertain the certification process for various types of service in U.S.A. and worldwide.

R. A. Pasciuti / m.w. lcty to J. Beukers
R. A. Pasciuti

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WILD GOOSE ASSOCIATION

14 December 1976

President
Wild Goose Association

Subject: Report for the 23rd Board of Directors Meeting

- In order to place the Radionavigation Journal with NTIS, appropriate application has to be made together with a fee of \$40.
- The cost associated with the publication of a Goose Gazette containing eight (8) pages and twelve (12) photographs is \$175. The cost to the WGA including postage will amount to \$225.


Bahar Uttam

cc: File

WILD GOOSE ASSOCIATION

December 13, 1976

Memorandum

To: WGA Board of Directors

From: CCIR/WARC/IRAC Special Committee

Subject: Report of IRAC/WARC Special Committee for
Board Meeting of 14 December 1976

Enclosure: (1) OTP/IRAC ltr TSCT 226/1-1.4.16
Ref TSC 331/1-1.4.6 dtd 14 May 1976

(2) OTP/IRAC ltr to Leo Fehlner dtd 14 May 1976

1. The questions that were formulated for CCIR Study Group 8 were mailed to Dr. Arthur Goldsmith on 9 August 1976. On 13 December 1976, Dr. Goldsmith told me the questions had been approved by U.S. Study Group 8 and forwarded to the U.S. CCIR National Committee for its approval and subsequent forwarding to CCIR headquarters in Geneva. He further advised that the next thing to do is to assemble the technical material that we believe to be pertinent to the questions and organize it in the form of a report. This report should then be made available to the study groups of all nations that will soon be addressing the questions.

2. As a result of the WGA briefing to the Techniques Working Groups (TWG) of IRAC on 3 March 1976, the TWG recommended to the Technical Subcommittee of IRAC that the objectives prepared by WGA should be supported in U.S. CCIR Study Groups for further consideration. The U.S. Coast Guard was suggested as the sponsor of any further action in the U.S. Study Groups (Encl. 1). In a letter to Leo Fehlner (Encl. 2), the TWG suggests technical papers to be submitted to both U.S. Study Groups 1 and 8.

3. It is recommended that WGA undertake the effort required to report these technical matters to both study groups. However, the Committee hesitates to undertake such a large undertaking without direction from the Board.

Respectfully submitted,



Leo Fehlner
Chairman

DE OF TELECOMMUNICATIONS ICY
INTERDEPARTMENT RADIO ADVISORY COMMITTEE
Washington, D.C. 20230

Received L. F. Fehner JUL 23 1976
TSC T 226/1-1.4.16
Ref TSC 331/1-1.4.6

Date: 14 May 1976

Subject: Time Multiplexing of Transmitter Radiation

To: Chairman, Technical Subcommittee, IRAC

1. It is recommended that the enclosed letter be reviewed by the TSC and, as approved, forwarded to the Wild Goose Association, in the matter of their proposal on Time Multiplexing of Transmitter Radiation. The TSC, in document TSC 331/1-1.4.6, requested the Techniques Working Group to investigate the technique of time multiplexing as a frequency spectrum utilization tool, as was proposed in a letter from the Wild Goose Association to the U. S. Coast Guard (attachment to referenced TSC document).

2. The TWG membership received the material in time for a first reading at its 14 January 1976 meeting (TSC T 212/2-1.4.16). At that time it was decided to invite representatives of the Wild Goose Association to make a presentation on their proposals at the next TWG meeting. Additionally, it was decided that any tutorial or explanatory material on the technical aspects of the subject be requested from the association and distributed to the members in the interim. Accordingly, two extensive papers on the subject were received from the Association and sent to all members; they were "Navigation Systems: Fundamentals of Low- and Very-Low-Frequency Hyperbolic Techniques", and "Medium Accuracy, Low-Cost Navigation: LORAN-C Versus the Alternatives", both by Mr. James P. Van Etten, ITT Avionics Division, Nutley, N.J., President of the Wild Goose Association. (These papers are filed as TSC T-213/1-1.4.16 and TSC T-214/1-1.4.16.)

3. At the 3 March 1976 TWG meeting, (TSC T 220/2-1.4.16) three members of the Wild Goose Association made a presentation on their time multiplexing proposal. They were Mr. Leo Fehner, Mr. T.A. McCarty, and Mr. Thomas Jerardi, all of the Johns Hopkins University Applied Physics Laboratory. Mr. Daniel C. Spitz, U.S. Coast Guard member of the TSC, sponsored the group's participation. Based upon the discussion within the TWG, it appears that the objectives prepared by the Wild Goose Association are useful in principle and should be supported in U.S. CCIR Study Groups for further consideration. It would appear that Government Agency sponsorship would facilitate consideration of the proposals made. In this regard, it is suggested that the U.S. Coast Guard sponsor any further actions in the U.S. CCIR Study Groups.

Encl. 1

4. Following the technical discussion, and questions from the members, the Group discussed actions that the association could pursue in advancing their proposal in appropriate frequency management forums. This course of action was reviewed and agreed upon at the next meeting: 21 April 1976 (TSCT 225/1-1.4.16).

W. D. DeHart

W. D. DeHart
Chairman, Techniques Working Group
TSC/IRAC

2
OFFICE OF TELECOMMUNICATIONS POLICY
INTERDEPARTMENT RADIO ADVISORY COMMITTEE

Washington, D.C. 20005

May 14, 1976

Mr. Leo Fehlner
Wild Goose Association
Johns Hopkins University/
Applied Physics Laboratory
8621 Georgia Avenue
Silver Spring, Maryland 20910

Received L. E. Fehlner

JUL 26 1976

Dear Mr. Fehlner:

Thank you for your very interesting proposal and technical briefing on time multiplexing of transmitter radiation. As always in such matters, there are advantages and disadvantages in any new technique involved in interference reduction (or more efficient use of the radio spectrum), and we believe that the suggestions made by the Wild Goose Association should be examined further, first in the national area, then, with national agreement, as a technical proposal for the CCIR to consider as a U.S. objective.

As we understand it, the issues that the Wild Goose Association is interested in pursuing are as follows:

a. The Clearing of the 90-110 kHz band for Radionavigation Service. While a primary service in ITU Region 2, Radionavigation (and therefore its primary user, LORAN-C) is competitive in Regions 1 and 3. This has led to serious cases of interference from other services in these geographic areas. LORAN-C, demonstrably a well-managed user from a frequency standpoint, and not a source of significant interference itself, enjoys world-wide acceptance as an efficient radionavigation service, and should be permitted an exclusive frequency allocation, preferably the 90-110 kHz band in toto.

b. Employment of the Time Multiplexing Technique as a Frequency Management Tool. The fact that LORAN-C employs careful design and control of the radiated spectrum and highly accurate time-multiplexing of this radiation, with negligible interaction among its users, suggests a new device for spectrum conservation, in addition to the service-connected approach presently in the Regulations. That is, additional occupancy could be achieved through the interlacing of signals, regardless of service, in both the frequency and time domains. The Wild Goose Association believes that the technique is viable (from the LORAN-C experience) and that current technology is able to supply the accurate time and frequency standard hardware required.



Encl. 2

After review and discussion of your proposed technique and objectives we propose the following set of recommendations in furthering these two goals:

- a. Technical papers should be drawn up for submission to U.S. CCIR Study Group 8 (mobile services), addressing in detail the rationale for using the 90-110 kHz frequency range exclusively for the Radionavigation Service in all ITU Regions.
[Note: Initial responses on this proposal from technical and regulatory experts suggest that this exclusive band clearance for Radionavigation may be easier to achieve if it were a sub-band of the 90-110 kHz band.]
- b. U.S. LORAN-C experts should prepare papers for U.S. CCIR Study Group 1 (Spectrum Utilization and Monitoring) submission, detailing the results of any studies into the extended use of time multiplexing of transmitted signals. In addition, these papers should indicate utility of further studies into other frequency bands. We recommend that, for near-term negotiation purposes, actual feasibility study efforts in this regard should be restricted at first to the present LORAN-C frequency ranges.
- c. After agreement within U.S. CCIR Study Groups, parties in other administrations who are known to favor the proposals contained above should be approached for support and co-sponsorship in the international arena. International CCIR "Study Programs" or "Questions" could be the vehicle for gaining support for the "out-of-band" studies.

Techniques Working Group
(TSC/IRAC)

W. D. DeHart
Willis D. DeHart, Chairman

-Jm

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WILD GOOSE ASSOCIATION

December 14, 1976

TO: W. Polhemus, Secretary WGA

FROM: V. Johnson, Chairman, Constitution Committee

SUBJECT: Constitution Committee Report of December 14, 1976

1. Constitution Committee Members for 1977

Vern Johnson, Chairman
Leo Fehlner
Ron Linzey
George Mitchell
Hank Post, LCDR
Bill Romer

2. Provisions for Elected Directors

Proposed revisions to Constitution Article VI Officers and Directors and Article VII Board of Directors to enable the appointment of up to three additional Directors were approved as submitted by the Constitution

Committee by the Board of Directors at the Board meeting of 9/22/76, with exception that the words "dues paying" be deleted from revised Article VI.

Next action required is vote by the Association membership on these revised articles.

2. (Cont.)

From coordination with the Board of Directors on 10/29/76, the Chairman, Constitution Committee, will undertake the required ballot mailing to the membership. It is planned to also include in this mailing the Report of the Awards Committee to the membership, which has been prepared by Leo Fehlner.

Updated membership mailing labels are required for this mailing.

3. Items in Process

From the Board of Directors' meeting of 9/22/76, the following matters were referred to the Constitution Committee for review and recommendation:

- a) Voting privileges for Honorary members.
- b) Quorum requirements for Board actions -- need for quorum statement in the Constitution.
- c) Proxy considerations in voting by the Board.
- d) WGA emblem protection.

The Committee response to Items (a), (b) and (c) above was submitted to the Board at the meeting of 10/29/76 in the form of proposed revisions to Constitution Article IV Membership and By-Laws Article II, Section 2 Quorum (copy attached). Next action is review and approval or comment by the Board on the proposed revisions.

In considering Item (d) WGA emblem protection, copyright of the emblem would appear most desirable, but cannot now be done due to prior publication

3. (Cont.)

of the emblem without a copyright notice or symbol. Significant change to the emblem would be required to regain the right to copyright.

The emblem can be registered as an article of unique or artistic design. This will provide protection against commercial exploitation, and is the course of action recommended by the Committee.

The emblem can potentially be patented, but the value of such protection is questionable. It is also expected to be more expensive than to register.

4. Items Under Consideration

The Chairman, Constitution Committee, expressed the following observations regarding the WGA Constitution and By-Laws at the Board meeting on 10/29/76:

- a) The powers and general responsibilities of the Board are defined but the specific actions that required Board attention or approval are not defined.
- b) The Executive Committee is charged with the responsibility for the business affairs of the Association -- to administer the resolutions of the Board.
- c) The Membership Committee is identified as a standing committee but its responsibilities are not defined.
- d) The Historical Committee is identified as a standing committee but its responsibilities are not defined.

4. (Cont.)

It appears that review and definition in the above areas are desirable, with the view that more specific definition of Board and standing committee responsibilities can serve to reduce the administrative workload on the Board.

Since the last Board meeting, the following actions have been planned in coordination with the President, WGA.

- a) The President will appoint a Chairman for the Historical Committee and request that he draft a proposed article for the By-Laws defining the responsibilities of this Committee.
- b) The Constitution Committee, in coordination with the Membership Committee, will draft a proposed article for the By-Laws defining the responsibilities of the Membership Committee. It is also intended to expand the section on membership dues; i.e., when are dues payable, when is a member delinquent, how is reinstatement handled, etc.
- c) The Constitution Committee will undertake a review of the authority and responsibilities of the Board, the Executive Committee, and the several standing committees with a view to drafting proposed revisions to the Constitution and/or By-Laws that will provide more specific guidelines for administration of the affairs of the Association.

Vern Jensen

10/29/76

PROPOSED WILD GOOSE ASSOCIATION

CONSTITUTION CHANGE

1. Revise Article IV to the following:

ARTICLE IV

MEMBERSHIP

Section 1. Membership. There shall be three (3) classes of membership; regular, honorary, and life as defined in Sections 2, 3 and 4 of this Article.

Section 2. Regular Member. Any individual who has an interest in the field of Loran is eligible for membership. Application shall be presented to the Membership Committee which shall act to accept or reject the application within three (3) months from receipt by the Association. A regular member shall have the right to vote and hold office.

Section 3. Honorary Member. Honorary membership may be awarded by the Board of Directors to an individual who has made an outstanding contribution to Loran. Not more than two persons may be elected honorary members in any one calendar year. An honorary member shall be entitled to all privileges of regular membership except that he shall not have the right to vote or hold office, unless he elects to meet the requirements of regular membership in addition to his honorary membership. Honorary membership shall continue for life unless revoked by the Board of Directors.

PROPOSED WILD GOOSE ASSOCIATION
CONSTITUTION CHANGE

Page 2

Section 4. Life Member. Any member who pays in advance the life membership dues as defined in the By-Laws of the Association shall be a life member. A life member shall have the right to vote and hold office.

PROPOSED WILD GOOSE ASSOCIATION

BY-LAWS CHANGE

1. Revise Article II, Section 2 to the following:

Section 2. Quorum. Seven (7) members shall constitute a quorum of the Board of Directors. Absent members of the Board of Directors shall be counted as present at meetings with respect to voting, provided such absent members have provided their position on the matters brought to vote, in writing, to the Secretary of the Association prior to the meeting. If less than a quorum is present, the meeting shall be held and business conducted as if a quorum were present, but no decisions shall be binding until approved by a majority of the entire Board of Directors obtained by mail ballot.

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WILD GOOSE ASSOCIATION



TO: BOARD OF DIRECTORS
FROM: PUBLICITY COMMITTEE
DATE: December 14, 1976

Attached please find report from the Publicity Committee.

100-2A-511

*File
Publicity*

S. H. GOLDSTEIN AD AGENCY INC. • ONE NORTHERN BOULEVARD, GREAT NECK, NEW YORK 11021 • 516 HU 7-0242

November 23, 1976

Memo To: John Beukers

From: Samuel H. Goldstein

Subject: Meeting Notes - November 9 - Wild Goose Association

A. John Beukers suggested that SHG join the Wild Goose Association. Membership fee is \$10 and application should be made to Lloyd Higginbottom, Membership Chairman. Check and letter were sent on November 11.

B. SHG agreed to assist in publicity for the Wild Goose Association (WGA) during the coming year, that is during John Beukers administration as president. All publicity and promotion is to be directed to Loran users to keep them informed on what is happening in the field and possible benefits to them. Among the groups to be considered are commercial fishermen, commercial and general aviation, the marine field which includes commercial ships and pleasure boats. Within the commercial fishing field there are individuals and associations representing specific interests such as lobster, shrimp, tuna etc.

Universities and colleges that are involved in the Sea Grant program are also to be kept informed along with state and national merchant marine academies.

C. John suggested that a list of publications be prepared. After it was culled and determined to be the best available this list would be put on the computer at Beukers and used for the distribution of releases. The list would also include a) press associations; b) major newspapers; c) major news magazines such as Time, Newsweek etc.; d) syndicated feature writers. e) business and consumer publications in the boating, marine, aviation and selected other fields. This list is being prepared and will be reviewed by SHG and WGA before presentation to the WGA executive committee meeting scheduled for December 7.

D. Among the specific publicity projects for the coming year would be -

1. A release on John Beukers appointment as President along with the other officers and directors and the activities at the recent WGA convention held in Washington.
2. The annual Journal of the Wild Goose Association, which is a useful tool as well as a general information source, can be merchandised during the year. Additional outlets might include libraries, shipping lines, fishing fleets and others who might want the directory for reference purposes.
3. The 1977 Convention is scheduled to be held in Seattle, Washington in October 1977. Plans should be formulated and initiated for promoting the convention well in advance, along with the actual publicity and promotion which can take place in Seattle.
4. Another significant element for promotion during the year, is the opening of the West Coast Loran-C chain which is scheduled for January 1977. This event, which is extremely significant for persons on the West Coast using navigation aids should get considerable publicity through all channels.
5. During the course of the year, Lloyd Higginbottom puts out several issues of a WGA newsletter. These can be the subject of publicity releases and distribution to selected media such as Aviation Week, Ocean Industry, etc.

E. Before the December 7 WGA Executive meeting, John Beukers would like to have six items for discussion at the meeting. 1) A list of publications; 2) A draft of the initial release covering John Beukers election and the recent annual meeting; 3) Recommendations for merchandising the journal; 4) Recommendations for 1977 convention publicity; 5) A list of personnel in the various government agencies such as the U.S. Coast Guard, NOAA and others who might be involved or interested in Loran; 6) Obtaining photos that were taken at the convention for possible distribution or inclusion in future issues of the Journal or newsletter.

1) A list of publications
2) A draft of the initial release covering John Beukers election and the recent annual meeting
3) Recommendations for merchandising the journal
4) Recommendations for 1977 convention publicity
5) A list of personnel in the various government agencies such as the U.S. Coast Guard, NOAA and others who might be involved or interested in Loran
6) Obtaining photos that were taken at the convention for possible distribution or inclusion in future issues of the Journal or newsletter