

# Wild Goose Association

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## Minutes of the 85th meeting of the Board of Directors - January 23rd 1989

The meeting convened at the Dunfey Hotel, San Mateo California and was brought to order by the President at 1850 hrs.

The following board members were in attendance:

John Illgen, President  
Jim Culbertson, Vice-President  
Carl Andren, Treasurer  
John Beukers, Secretary  
Dave Scull  
Walter Dean

Written proxies were received from the following and are entered into the record (Exhibts A-E):

Robert Lilley, appointee John Beukers  
Mike Moroney, appointee, Jim Culbertson  
Bob Bronson, appointee, Jim Culbertson  
Jim Van Etten, appointee, Jim Culbertson  
Ed McGann, appointee, Jim Culbertson

Also in attendance as Committee members or observers were:

Frank Mackenzie for Mike Moroney - 1989 Convention Committee  
Robert Frank - Awards Committee  
Larry Cortland for Bob Bronson - 1988 Convention Committee  
Charlie Sakran in representing the International Omega Association

The President noted the acceptance of John Beukers to take the position of Secretary to the Association (Exhibits F & G).

The Secretary reported that the attendance by Board Members and their proxies constituted a quorum in accordance with Article II, Section 2 of the By-Laws.

The President stated that an agenda for the meeting had been distributed and would be followed.

### 1. Minutes of the 84th Board Meeting.

The minutes of the 84th Board Meeting, having been distributed to Board members prior to the meeting, were accepted upon a motion made by Andren and seconded by Scull without being read to the meeting.

## **2. Treasurer's Report. (Exhibit 1)**

The Treasurer presented a report of receipts and expenditures covering the period from October 24th. 1988 to January 23rd. 1989, which indicated an opening balance of \$5,991.50, receipts of \$10,271, expenditures of \$652.86, and a closing balance of \$9,618.14. After discussion and upon a motion made by Dean and seconded by Scull, the report was accepted with minor clerical changes (Balance date changed from October 1989 to October 1988, Correct list of Board of Directors used for report heading)

## **3. Secretary's Report. (Exhibit 2)**

The Secretary presented a written report with attachments and proceeded to elaborate on some of the issues contained therein. After discussion and upon a motion made by Andren and seconded by Scull, the Secretary's report was adopted as presented and included in the record.

A letter addressed to Dr. Shivinder Singh Sidu re FANS recommendations, from the President is recorded with these minutes. (Exhibit 3)

## **4. Standing Committee Reports.**

### **4(a). Conventions**

1987 - The President commended the 1987 Convention Chairman, Jimmie Toms and his committee for a job well done. The President ordered that all accounts and business in connection with the 1987 convention be closed.

1988 - The report for the 1988 convention held in Portland Oregon was submitted by the Chairman, Bob Bronson in writing, together with a revision to the convention budget dated January 9, 1989. These are attached, as submitted, to the minutes. A number of questions were raised and clarification requested on the actual expenditures and outstanding commitments as reported in the budget revision. The President asked that he be appraised of the final figures and that the Treasurer receive of copy. The report was put in suspense pending further input.

1989 - A budget, Convention "Game Plan", and draft for the "Call for Papers" was presented by Frank Mackenzie for Mike Moroney, the Convention Chairman, (Exhibit 5). There was considerable discussion especially concerning some of the budget line items. Concern was expressed that the \$7000 corporate support might not be met and the committee was cautioned not to over commit on the Clam/Lobster bake. The theme, schedule of events, and sessions received the Board's attention and concurrence. Upon a motion made by Andren and seconded by Dean, the convention budget and plan were approved.

The report along with the formalized, printed copy of the call for papers, are attached to these minutes, (Exhibit 5).

Specifications for the Proceedings cover were discussed and the Secretary stated that he would provide the necessary information and format for this to be consistent with WGA colors and logo.

1990 - There was no formal report from the Chairman, Jim Alexander. The board briefly discussed the possible location as being southern California.

#### **4(b). Journal**

A written report of the Journal activity was submitted by the Chairman, John Beukers, (Exhibit 6), indicating minimal work had been accomplished due to the substantial secretarial work load created by the transition from Fehlner to Culbertson to Beukers. The Chairman stressed the difficulties that arise due to the lack of continuity and files. He recommended that committee chairmen, in general, make sure that files are kept and passed on to others. Journal plans remain intact.

The Chairman stated that progress was being made with the Ioran bibliography and that input was being received from Bob Frank, Jim Van Etten and others.

#### **4(c). Membership Committee**

The secretary reported that 541 membership renewal invoices were mailed and that to date there had been 283 renewals. It was recommended that a reminder be sent out on February 15, 1989. There was some confusion as to which director the Membership Chairman, Bill Garmany reported to. This was clarified by the President who appointed Walt Dean as the Director in charge of Membership. The secretary reported that some 2000 manufacturers cards had been distributed and that more than 100 had been returned requesting information about the WGA.

The secretary reported that the New Membership package was in limbo, and that there was no letter of welcome. A number of suggestions were made for the package such as to include a list of publications, a WGA decal, plus the usual membership card, letter, certificate. The Secretary stated that he would work on these and communicate with Walt Dean.

#### **4(d). Newsletter Committee.**

The Winter issue of the Newsletter is to be the last put out by the retiring Chairman, Bob Miller. The President thanked Bob Miller for his contribution and wished that this be made a matter of record. A motion was introduced by Dean, and seconded by Culbertson, that the President write a letter, on behalf of the WGA, to Bob Miller indicating the Board's and membership's appreciation for a job well done.

The new chairman, Bob Lilly submitted a written report relating to the transition and current activities. This report is attached to these minutes, (Exhibit 7).

#### **4(e). Nominations and Elections Committee**

The Chairman, Jim Van Etten, submitted a written report which was presented by Culbertson. (Exhibit 8) This provided the board with the committee members names, the board members whose term expires at the end of 1989, and the appointed directors whose terms also expire at the end of 1989. The report was accepted upon a motion made by Andren and seconded by Dean.

Later in the meeting the President conveyed the message from both himself and Van Etten as to the importance of the nomination and election process. He stated that candidates for Directorships should be screened and chosen carefully on the basis that they are prepared, and have the facilities, to carry out the prescribed tasks. The President also made reference to unused talent that has been volunteered, urging committee chairman to get in touch with and use the volunteers to spread the workload.

#### **4(f). Awards Committee.**

A verbal report was given by the Chairman, Bob Frank, who stated that a committee had been formed but as yet there were no nominations for the 1989 awards. A note will go into the next issue of the Goose Gazette for nominations. The Chairman noted that the Awards files were in good shape. The chairman reported that he is currently working on awards made to individuals in the loran field from other organizations.

Awards noted: Mort Rogoff - IEEE Fellow, Jack Pierce - Sperry Award

It was requested that ribbons for the Medal of Merit be sent to recipients who were not at the 1988 Convention. (Action for Culbertson and Beukers)

The Secretary requested that he obtain copies of all of the citations for the Medal of Merit that were not published in the Journal.

The Awards Committee report was accepted upon a motion made by Beukers and seconded by Culbertson.

#### **4(g). Audit Committee.**

There was no Audit Committee report. The President requested that the Treasurer get in contact with the Chairman of the Audit Committee, Calvin Culver.

#### **4(h). Historical Committee.**

There was no written Historical Committee report. Some discussion took place as to how best to get historical information into print. Frank, Dean and Beukers had some ideas and it was suggested that the three of them meet to further an initiative.

### **5. Special Committee Reports.**

#### **5(a). Congressional Liaison Committee.**

The written report by the Chairman, Ed McGann was read by the President and is included with these minutes (Exhibit 9). There was discussion concerning the Hyperfix issue with recommendations that the DoD continue to receive an education in loran for where Hyperfix is being used or proposed.

The report was accepted upon a motion made by Andren and seconded by Dean.

#### **5(b). Civil Radionavigation Working Group.**

The Chairman, Dave Scull elaborated on his written report (Exhibit 10) on the status of the Federal Radionavigation Plan and stated that as soon as it is signed off and published, a copy will be sent to each director. The report is attached to these minutes.

**5(c). DoD Working Group.**

No written report was submitted. The Chairman, John Illgen stated that a report was in preparation and gave a verbal report of activities. He applauded the work being done by Walt Dean, John Hopkins, Allan Philips, Tony Pealer, and Bill Flanders. (The report will be attached to the minutes, when received as Exhibit 11 - Sec.)

**6. Old Business.**

**6(a). Oceans '89 Session.**

Oceans 89 is to take place in Seattle, September 18-21. Illgen and Dean are to get together on the selection of papers and to decide on four or five.

**6(b). Maritime Defense Zone.**

No report. There was a brief discussion

**6(c). Privatization Issue Response.**

A response was made on the Privatization Issue of radionavigational aids, to the US Coast Guard, brought about by proposed rule making by the USCG. A copy of the WGA response is attached to these minutes (Exhibit 12).

**6(d). West Coast Loran-C Chain Maintenance.**

The planned service reduction during "Prime Time" and the short notice given for such events were discussed. It was the consensus that we need facts with which to confront the USCG. Walt Dean stated that he felt that the notice given was adequate.

**6(d). News Letter Distribution to USCG facilities.**

It was suggested that the USCG facilities such as transmitting stations, monitors, R&D centers etc are added to the mailing list for the Goose Gazette. Culbertson will provide address information to the Secretary for inclusion into the WGA mailing database.

**6(e). Proceedings Distribution.**

The subject of who should receive Convention Technical Proceedings at no charge was discussed at some length. The consensus was that either the dues structure should reflect the cost of including the total membership in the distribution or that the distribution should be restricted to those that attend the convention. It was strongly suggested that this issue was part and parcel of the overall budget exercise and that decisions should only be made after a review of the budget.

## **7. New Business.**

### **7(a). The Charter.**

The suggestion made at the Portland Convention to expand the Charter of the WGA to include other nav aids was discussed. The consensus of a round table poll was that the WGA already has more than it can handle with loran and that to dilute the effort would detract from the Charter as originally conceived. Any expansion into other nav aids would weaken the WGA advocacy capability to the detriment of system expansion. There was support for interoperability issues such as Loran/GPS.

### **7(b). Convention Files.**

Jim Culbertson noted that the request for files from past conventions be handed in for archiving so that they may be used by future convention chairman is not being acted upon. The matter needs attention.

### **7(c). Committee Reports.**

It is requested that all committee reports be made in writing and submitted to the President in sufficient time to be circulated along with the agenda for the next meeting. The date for the April 27 meeting is March 15.

### **7(d). Tax Status.**

John Beukers raised the issue of the WGA tax status again and the need for proper bookkeeping and tax reporting. He stated that this is critical to the Association's existence and must receive a high priority. The Association must operate within the tax code and that requires formal books reporting all income and expenditures..

### **7(e). European Members.**

Jim Culbertson suggested that we do more to bring European members into the WGA and provide information to Europe on what is happening with loran in the USA and around the world. He asked that this matter be given some thought by the Board.

### **7(f). Business Cards.**

Jim Culbertson stated that we need a source for inexpensive business cards. Dave Scull requires cards.

**8. International Omega Association - Charlie Sakran, President.** (see letter from Sakran to Illgen, attached as Exhibit 13)

Charlie Sakran, President of the International Omega Association sat through the Board Meeting as an observer. At the end of the meeting, John Illgen invited Charlie Sakran to express his views on our meeting and to give the WGA board a run down on the IOA current status and their goals. The following is a summary of his remarks.

The IOA has about 300 members and they also are on a recruitment drive. Their 13th Annual meeting was held in Munich, Germany and attended by 75 people from 13 countries. Jack Pierce was their guest and his Atlantic Trip was provided with the compliments of American Airlines. Sakran also added that Jack Pierce was the recipient of the Sperry Award. Sakran stated that there was much similarity between the objectives, concerns and subject matter that occupied the time of the WGA directors, and the time spent at meetings of the directors of the IOA. He wanted to see the IOA emulate the WGA with the historic initiative. Sakran suggested that the IOA was better organized for providing the IOA membership with publications; the additional cost of postage overseas was mentioned (This is an issue for the WGA - Secretary's note). He stated that one of this year's initiatives was a worldwide user survey. Individual membership is \$20 with an initiation fee of \$5; Corporate membership is \$350 that permits 10 sponsored members.

Following the presentation, the President thanked Charlie Sakran for taking the time to attend the meeting and providing an interesting insight into the IOA.

**9. Next Meeting.**

*The next meeting of the WGA Board of Directors was set for Thursday, April 27 in Washington DC at 1400 - 1700 hrs.* Possible location is the Department of Transportation building. Dave Scull will probably arrange for a room, the number to be announced at the time of distributing the agenda.

The President asked that reports and other material pertinent to this meeting be sent to him prior to March 15 to permit time for it to be circulated and reviewed prior to the meeting.

**10. Adjourn.**

There being no other business to come before the meeting and upon a motion made by Beukers, and seconded by Andren, the meeting adjourned at 2200 hrs.

Respectfully submitted



John M Beukers  
Secretary.



## Ohio University

Avionics Engineering Center  
Stocker Center  
Ohio University  
Athens, Ohio 45701-2979  
614/593-1533

College of Engineering and Technology

January 16, 1989

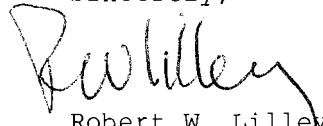
Mr. James F. Culbertson, Actg. Secy.  
15781 Exeter Street  
Westminster, CA 92683

Dear Jim:

I appoint John Beukers as my proxy for the 85th meeting of the WGA Board of Directors, which has been scheduled for 23 January, 1989 at San Mateo, CA. If any additional Board meetings are convened during the San Mateo conference, Mr. Beukers should also act as my proxy for those Board meetings.

I have attached a short report on pertinent activities.

Sincerely,

  
Robert W. Lilley  
(614) 593-1514

RWL:skc  
WGA0113.ASC

Attachment

xc. J. Beukers  
J. Illgen



EXHIBIT B

January 17, 1989

Mr. James F. Culbertson  
15781 Exeter St.  
Westminster, CA 92683

Dear Sir,

I hereby designate my voting proxy for the January 23, 1989 meeting of the Wild Goose Association Board of Directors to Mr. James F. Culbertson.

Yours truly,

  
Maurice J. Moroney Jr.

85<sup>th</sup> 890123



EXHIBIT C

Manufacturer of Quality Navigation and Communications Systems

A United Parcel Service Company

P.O. Box 13549  
Salem, OR 97309  
(503) 581-8101  
TWX 5105990110

January 16, 1989

WGA Secretary  
15781 Exeter Street  
Westminster, California 92683

Dear Jim,

This is to inform you that I wish to appoint Jim Culbertson as my proxy for the January 23 WGA Board meeting in San Mateo, California. Due to prior business commitments, I will be unable to attend the meeting in person.

Sincerely,

A handwritten signature in cursive script that reads "Robert D. Bronson".

Robert D. Bronson  
Vice President - Engineering

854 Bldg  
EXHIBIT D

James P. Van Etten -- 230 Rutgers Place -- Nutley, NJ 07110  
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January 19, 1989

Captain James F. Culbertson, USCG (ret.)  
15781 Exeter Street  
Westminster CA 92683

Reference: WGA Bylaws -- Article II, Section 4.

Dear Jim,

In accordance with reference bylaws, I hereby designate you to serve as my proxy at the 85th Meeting of the WGA Board of Directors to be held in San Mateo, California on Monday, January 23, 1989.

Best regards,

  
James P. Van Etten

cc: John Beukers, Secretary  
Wild Goose Association  
8 Old Wood Road  
Stony Brook NY 11790

85th 890123

BOARD OF DIRECTORS

EXHIBIT E

J.D. ILLGEN ..... President  
J.F. CULBERTSON .. Vice President  
L.F. FEHLNER ..... Secretary  
C.S. ANDREN ..... Treasurer  
B. AMBROSENO  
R.D. BRONSON  
D.A. CARTER  
W.N. DEAN  
V.L. JOHNSON  
E.L. McGANN  
M.J. MORONEY  
W.L. POLHEMUS  
W. SCHORR  
J.L. TOMS  
J.P. VAN ETTEN



WILD GOOSE ASSOCIATION

TO: J. Culbertson, Secretary

FROM: E. L. McGann

DATE: 16 January 1989

SUBJECT: Proxy for the 23 January 1989 WGA Board Meeting

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I hereby assign my proxy for this meeting to you, Jim Culbertson, for voting on issues as may come before the Board.

Robert Goddard will attend the meeting as my representative to discuss the October '89 Convention. I do hope the Board will approve of the planning for the event as it will be presented. Bob will be serving as Registrar and Finance Chairman for this event.

With hopes for a successful meeting.

*Edward L. McGann*

cc: J. Illgen, Pres.  
M. Moroney  
R. Goddard

## BOARD OF DIRECTORS

J.D. ILLGEN ..... President  
J.F. CULBERTSON .. Vice President  
L.F. FEHLNER ..... Secretary  
C.S. ANDREN ..... Treasurer  
B. AMBROSENO  
R.D. BRONSON  
D.A. CARTER  
W.N. DEAN  
V.L. JOHNSON  
E.L. MCGANN  
M.J. MORONEY  
W.L. POLHEMUS  
W. SCHORR  
J.L. TOMS  
J.P. VAN ETEN

EXHIBIT F

85\* 890123



## WILD GOOSE ASSOCIATION

22 December 1988

To: WGA Board of Directors  
From: John D. Illgen, President *John D. Illgen*  
Subject: Appointment of John Beukers to Secretary, WGA

This memorandum is to notify you that John Beukers has accepted the position of Secretary. This will not become effective until after the next Board meeting. In behalf of the WGA I want to express our gratitude to John for accepting this responsibility. Additionally, special thanks goes to Jim Culbertson who has been providing unending support during the transition process. Note: Be sure you send your proxy statements to Jim Culbertson, Acting Secretary, until after the next Board meeting. Leo Fehlner, through exceptional documentation and knowledge, has been doing an outstanding job in causing the transition to be smooth. The WGA thanks all of you.

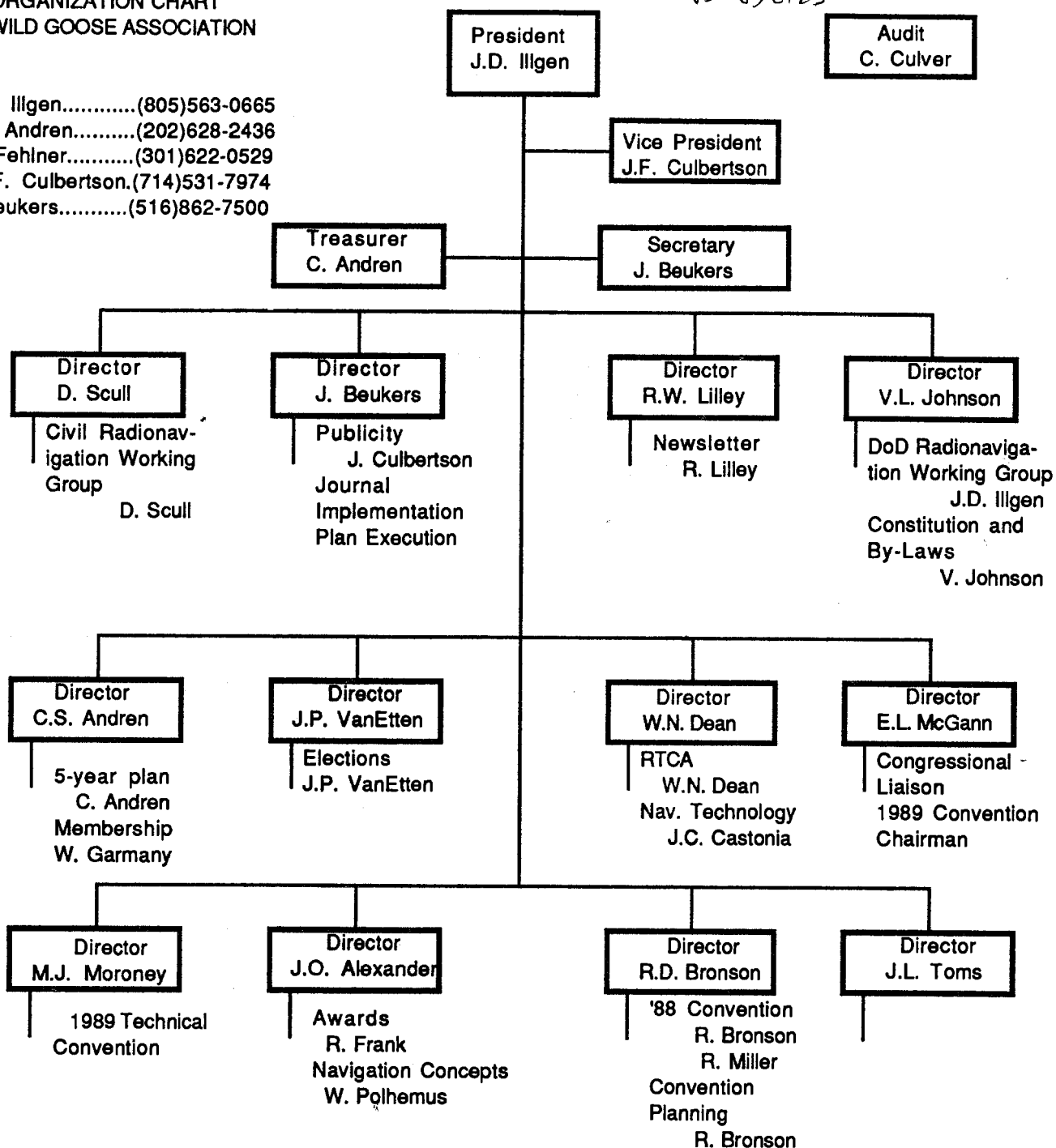
John D. Illgen  
President, WGA

JDI/sg

# ORGANIZATION CHART THE WILD GOOSE ASSOCIATION

## OFFICERS:

John D. Illgen.....(805)563-0665  
 Carl S. Andren.....(202)628-2436  
 Leo F. Fehlner.....(301)622-0529  
 James F. Culbertson.....(714)531-7974  
 John Beukers.....(516)862-7500



## DIRECTORS:

Robert D. Bronson.....(503)581-8101  
 Walter N. Dean.....(503)694-1443  
 Vernon L. Johnson.....(201)228-2642  
 Edward L. McGann.....(617)275-2010  
 James O. Alexander....(213)431-0244  
 David C. Scull.....(202)366-4355

Maurice J. Moroney.....(617)494-2026  
 William L. Polhemus.....(802)644-5589  
 Jimmie L. Toms.....(301)695-4040  
 James P. Van Etten.....(201)661-0876  
 Robert W. Lilley.....(614)593-1514  
 John M. Beukers.....(516)862-7500

Board of Directors

EXHIBIT 1

Dean/Scull

884 890123



John D. Illgen.....President  
James F. Culbertson...Vice President  
John M. Beukers.....Secretary  
Carl S. Andren.....Treasurer  
James O. Alexander  
Robert D. Bronson  
Walter N. Dean  
Leo F. Fehlner  
Vernon L. Johnson  
Robert W. Lilley  
Edward L. McGann  
Maurice J. Moroney  
David C. Scull  
Jimmie L. Toms  
James P. Van Etten

## WILD GOOSE ASSOCIATION

### TREASURER'S REPORT

JANUARY 23, 1989

Balance from October 24, 1988

\$5,991.50

### TRANSACTIONS

#### RECEIPTS

Dues	4083.00	
Proceedings/Journals	<u>196.50</u>	
	4279.50	\$10,271.00

#### EXPENDITURES

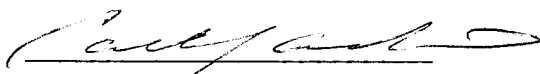
Vice President's Expense	115.31	
Secretary's Expense	137.09	
Awards Expense	263.01	
Corporate Filings	20.00	
Stationery Expense	93.45	
Dues Refunds	<u>24.00</u>	
	652.86	\$9,618.14

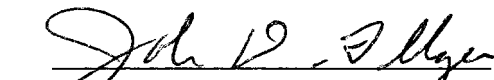
WGA Account Balance as of January 23, 1989

\$9,618.14

Submitted: January 23, 1989

Approved: Date 1-23-89

  
Carl S. Andren Treasurer

  
John D. Illgen President

SS 890423

~~W. A. Ambroseno~~  
Adren / Seull  
miller 2nd  
Passed

EXHIBIT 2

Wild Goose Association

85th Meeting of the Board of Directors  
January 23, 1989

**Report of the Secretary**

**1. Preamble**

This report is presented in context with the significant changes that have taken place within the association over the last year. These are:

- (a) The resignation of the Secretary, Leo Fehlner, who had held that position for the past eight years.
- (b) The resignation of the Membership Chairman, Jimmie Toms, who had been Chairman of the Membership Committee for the past three years.
- (c) The resignation of the Chairman of the Journal Committee, Bernie Ambroseno, who had been responsible for the Journal publication for eight years.
- (d) The resignation of the Chairman of the Newsletter Committee, Bob Miller, who had produced the newsletter for the past three years.

In addition to the above, the computer and database being used by Leo Fehlner had reached their limit, necessitating a move of the data to a larger and faster computing environment.

These events in total have created the need for substantial reorganization and required some serious thought on how best to run the organization. This report addresses these issues.

**2. Position of Secretary**

Following the annual election of the board, the President appointed Jim Culbertson as acting Secretary in addition to the position of Vice President. Subsequently, in a memorandum to the board dated December 22, 1988, the President filled the Secretary's position by the appointment of John Beukers.



### **3. Duties of the Secretary**

During the period from October '88 to this date, Jim Culbertson and John Beukers have been working to streamline the association's administrative tasks. It has become clear that there is a need to consolidate the work, inventory and materials at one location and for there to be a plan for continuity. Some effort has been devoted to this task and is presented in this report and its attachments. It should be noted that along with the consolidation comes a change of the Secretary's duties. This is becoming an executive administrator's position serving the needs of the association and its various committees.

### **4. Membership Administration**

The division of responsibilities between the Membership Chairman and the Secretary needs to be formalized. The recommendation is that all administrative tasks are performed by the office of the Secretary while the Membership Committee concern themselves with the creative work of determining the needs of the membership, how to fulfill these needs, generation of copy and content for membership correspondence, and plans for the expansion of the association nationally and internationally.

#### **4.1 Database**

The membership database has been re-entered into dBase III plus operating under MS-DOS and is being executed on both IBM PCs and ATs. This environment will serve the WGA's needs into the foreseeable future. The data is now in industry standard format and readily portable using 3 1/2 or 5 1/4 diskettes or 10 Mbyte IOmega Bernoulli removable cartridges. The database is current as of January 13th with the exception of the historical board members, officers and awards. This will be completed by the next board meeting. All prospects derived from the manufacturers cards have been entered.

#### **4.2 Dues**

The invoices for annual dues were sent out in early December with a request to remit payment before the beginning of the year. Statistics of the returns and details of the payments were hand carried to the Membership Chairman Bill Garmany on January 14th, 1989.

#### **4.3 Membership cards**

The Secretary is in possession of a number of membership cards signed by the President and an inventory of blank cards. There is a place for the date on these cards indicating that they should be sent out annually as a receipt for dues. This does not happen and needs to be reviewed to provide a directive to the Secretary. This is an action item for the Membership Committee.

#### **4.4 New Members**

The package to be sent to new members is currently in limbo. A new letter and specification for the package to go out has to be generated so that the Secretary can complete the communication with the new member. The status is exactly where Jimmie Toms left off. The Secretary has all of the files from Jimmie Toms and the membership materials.

#### **4.5 Prospects**

A package for prospects was generated containing the new Fact Sheet, membership application cards, and a letter from the Membership Chairman. As of January 13th, 82 of these have been sent out. The packages along with the letters to be signed by Bill Garmany plus stamps were hand delivered to Bill for mailing on January 13th.

### **5. Correspondence**

The Secretary is seriously behind with answering routine correspondence, there being some 20 items waiting for a response.

The Secretary needs to have some direction from the board as to what correspondence should be read into the record and become part of the formal minutes of the meeting. At this time there is just one item for submission, namely the letter to the Commandant of the Coast Guard relating to the proposed rule making for private electronic aids to marine navigation.

### **6. Secretary's Files**

The files kept by the Secretary fall into several categories. The files within these categories are listed in the attachment to this report.

#### **6.1 Current & Active**

All files relating to the affairs of the association, correspondence, board meetings and a place to put current paper.

#### **6.2 Committees**

Material generated on behalf of committees, correspondence with committee chairmen, current committee records.

#### **6.3 Archived**

Board meeting records, corporate records, past chairmen committee records.

## **7. Inventory**

The very nature of a voluntary organization creates a problem of inventory. When individuals leave positions and new ones take their place, there is always the task of disposition to be addressed. A home with continuity is needed. Jim Culbertson and John Beukers are in the process of consolidating the association's inventory at St. James, NY. So far all Proceedings and Journals, membership materials, medals and badges, stationery and some files are at the St. James location while other files are with Jim Culbertson. The current drive is to establish file copies of all publications.

### **7.1 Publications**

A database of the association's publications has been generated and circulated to board members and others. There has been some response to requests to provide originals of missing documents. An inventory is shown on this database.

### **7.2 Administrative Materials**

New stationery has been printed and is available upon request, overprinted as required. Fact sheets, membership application forms, certificates, membership cards, etc., etc., have been inventoried and are shown on the attachment.

### **7.3 Awards, Badges, etc.**

The Medals of Merit, badges and other paraphernalia have also been inventoried and are shown on the attachment.

WGA Inventory Report

F:\Clients\WGA\WGAINVEN.DBF, FRM, NDX

Ref	Description	Quantity	Location
9	Membership Cards (signed by John Illgen)	143	BPI St. James NY
10	Membership Cards (unsigned)	140	BPI St. James NY
21	Name Tags, Clear	25	BPI St. James NY
35	Seal, WGA corporate	1	BPI St. James NY
22	Sheet music, Cry of the Wild Goose	50	BPI St. James NY
34	Stationery, Second sheet for Journal of Loran Navigation	500	BPI St. James NY
28	Stationery, second sheets with WGA return address	0	BPI St. James NY
37	T Shirts	0	?
38	Trophies	0	?

Record#	REF	CATEGORY	CLASS	NAME	RESPONS	SIZE	COLOR	LOCATION	THICKNESS	WEIGHT
30										
6	6		Current						0.00	0.00
12	12	Archived	Administrative	Board of Directors Meeting Minutes	Secretary	Letter		Culbertson & BPI-1	0.00	0.00
25	25	Archived	Administrative	WGA Board Meetings, JB's Archived	Beukers	Letter		BPI-1		
26	26	Archived	Convention	Past Conventions	Secretary	Letter		Culbertson & BPI-1		
23	23	Committee	Awards	Correspondence	Secretary	Letter		BPI-1		
27	27	Committee	Congressional	Correspondence	Secretary	Letter		BPI-1		
28	28	Committee	Constitution	WGA Constitution and By-Laws	Secretary	Letter		BPI-1		
24	24	Committee	Convention	Seventeenth Annual Convention, Portland Oregon	Beukers	Letter		BPI-1		
11	11	Committee	Journal	Current Correspondence	Beukers	Letter		BPI-2	0.00	0.00
14	14	Committee	Journal	Manufacturers Data Base	Beukers	Letter		BPI-2		
17	17	Committee	Journal	Stationery, Journal of Loran Nav. Dev. & Printing	Beukers	Letter		BPI-2		
19	19	Committee	Journal	Media and Magazine Database	Beukers	Letter		BPI-2		
2	2	Committee	Membership	Member Database	Secretary	Letter		BPI-1	0.00	0.00
5	5	Committee	Membership	Correspondence	Secretary	Letter		BPI-1	0.00	0.00
13	13	Committee	Membership	Applications for Membership, Form Creation	Secretary	Letter		BPI-1	0.00	0.00
16	16	Committee	Membership	Manufacturers Card, development & printing	Secretary	Letter		BPI-1		
18	18	Committee	Membership	Fact Sheet of the WGA, development & printing	Beukers	Letter		BPI-1		
10	10	Committee	Newsletter	Goose Gazette (Current & Past issues)	Secretary	Letter		BPI-1	0.00	0.00
4	4	Committee	Nominations & Election	Correspondence	Secretary	Letter		BPI-1	0.00	0.00
7	7	Current	Administrative	Invoices for Publications	Secretary	Letter		BPI-1	0.00	0.00
8	8	Current	Administrative	Correspondence, General	Secretary	Letter		BPI-1	0.00	0.00
9	9	Current	Administrative	Newsletters, Director's	Secretary	Letter		BPI-1	0.00	0.00
15	15	Current	Administrative	Logo development and Specifications	Secretary	Letter		BPI-1		
20	20	Current	Administrative	Stationery, WGA notepaper & Env., Dev and Printing	Secretary	Letter		BPI-1		
21	21	Current	Administrative	Return envelope and mailing information	Secretary	Letter		BPI-1		
22	21	Current	Administrative	PC Questionnaire, forms and responses	Secretary	Letter		BPI-1		
29	29	Current	Administrative	Articles of Incorporation, Tax status	Secretary	Letter		BPI-1		
1	1	Current	Administrative	Board Meeting, Current	Secretary	Letter		BPI-1	0.00	0.00
3	3	Current	Administrative	Culbertson Correspondence	Secretary	Letter		BPI-1	0.00	0.00

WGA Inventory Report

F:\Clients\WGA\WGAINVEN.DBF, FRM, NDX

Ref	Description	Quantity	Location
18	Application for Individual Membership (new buff card)	7	BPI St. James NY
17	Application for Individual Membership (old)	19	BPI St. James NY
19	Application for Organization Membership (Old)	8	BPI St. James NY
20	Application for Organization Membership (new blue card)	28	BPI St. James NY
23	Award, Medal of Merit	20	BPI St. James NY
7	Award, Outstanding Service	110	BPI St. James NY
24	Badges, Lapel silver	67	BPI St. James NY
14	Badges, WGA Peel-off	2773	BPI St. James NY
25	Badges, lapel gold	45	BPI St. James NY
31	Cards for manufacturers to insert in equipment sold	4000	BPI St. James NY
2	Certificate of Honorary Membership ("in recognition of his outstanding...")	13	BPI St. James NY
1	Certificate of Honorary Membership, ("By Virtue of his...")	165	BPI St. James NY
3	Certificate of Regular Membership (signed by John Illgen)	15	BPI St. James NY
4	Certificate of Regular Membership (unsigned)	273	BPI St. James NY
8	Certificate, Blank Goose	112	BPI St. James NY
5	Certificate, Charter	67	BPI St. James NY
6	Certificate, Regional Club Charter	50	BPI St. James NY
12	Envelopes 9 x 12	493	BPI St. James NY
40	Envelopes window, plain	50	BPI St. James NY
36	Envelopes window, stamped 22 cents	300	BPI St. James NY
33	Envelopes, Journal of Loran Navigation	1000	BPI St. James NY
13	Envelopes, Letter	177	BPI St. James NY
29	Envelopes, return address #10	1800	BPI St. James NY
30	Envelopes, tractor fed	2000	BPI St. James NY
15	Fact Sheet (old)	45	BPI St. James NY
16	Fact Sheet, three fold, two color (New)	1648	BPI St. James NY
39	Golf Caps	0 ?	
27	Letterhead with WGA Logo and 1989 directors listed	120	BPI St. James NY
11	Letterhead, 1988 WGA	50	BPI St. James NY
32	Letterhead, Journal of Loran Navigation	1000	BPI St. James NY
26	Letterhead, WGA logo and return address only	4600	BPI St. James NY

**BOARD OF DIRECTORS**

J.D. ILLGEN ..... President  
J.F. CULBERTSON .. Vice President  
L.F. FEHLNER ..... Secretary  
C.S. ANDREN ..... Treasurer  
B. AMBROSENO  
R.D. BRONSON  
D.A. CARTER  
W.N. DEAN  
V.L. JOHNSON  
E.L. McGANN  
M.J. MORONEY  
W.L. POLHEMUS  
W. SCHORR  
J.L. TOMS  
J.P. VAN ETEN

F 85th Bdmt. Correspondence

EXHIBIT 3



**WILD GOOSE ASSOCIATION**

15 November 1988

ICAO  
Suite 327  
1000 Sherbrooke Street West  
Montreal, Quebec  
Canada H3A 2R2

**Attention:** Dr. Shivinder Singh Sidhu  
Secretary General

**Subject:** FANS Recommendations

Dear Dr. Sidhu:

The Wild Goose Association, the professional society of the Loran-C community, wishes to express its reservations and to urge caution and restraint in the ICAO Council's consideration of the FANS recommendations. Specifically, we respectfully suggest that such recommendations with their possible far reaching and drastic impacts, not only on international aviation operations, but on the operations of other user communities whose communications, navigation, and surveillance (CNS) requirements will be interlocked with those of international aviation not be adopted without a thorough exposure to and review by those diverse user communities, the government agencies that regulate and support them, and the manufacturers who supply them. It is absolutely critical from our point of view that the multimodal nature of the CNS systems of the future be fully recognized so as to avoid proliferation and duplication and, therefore, the requirements of the international aviation community cannot reasonably be considered "*in vacuo*."

Specifically with regard to Loran-C we perceive that insufficient information on the present status and projected growth of this navigation aid, both in terms of the user communities and the potential signal coverage expansions, Loran-C is presently the world's most widely used and fastest growing radio aid-to-navigation with nearly one million users today and that are projected to more than double by the start of the 21st Century.

Attached are two figures illustrating usable Loran-C signals today and the projection for the mid-1990's. Examination of these will show extensive coverages in the internal areas wherein the great percentage of multimodal CNS activities will take place. Further, it will be noted that the points of origin, the points of destination, and the enroute paths for a very large percentage of international operations are or will be adequately covered by Loran-C signals. We note the recent USSR/USA agreement to begin inter-operation between the Chaika and Loran-C systems with overtures having been made to European

ICAO  
15 November 1988  
Page 2

interests by the USSR for similar interoperability. We also note strong GPS/Loran-C interoperability investigations now underway in the United States.

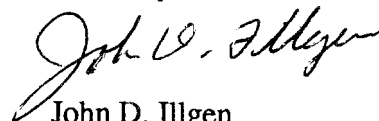
With regard to the satellite systems that have been recommended as the ultimate solution, we find such recommendations unjustified. No system exists such that its performance can be entrusted and there are considerable technical, operational, and institutional questions to be answered and settled before any decision is made that could depend on the answers to these questions, many of which have never been raised before in the history of international systems such as the provisioning regulation, assumption of liability and cost sharing associated with such systems. Specifically, for the Global Positioning System (GPS) its role in the future National Airspace Program (NAS) of the United States itself is not yet decided and as indicated by the policies set forth in the Federal Radio Navigation Plan (FRP) which sets forth United States policy in navigation matters, it cannot be decided for many years to come since its role will be dependent on answers similar to those presented above for which answers are not readily or easily obtained. Therefore, basing an international policy decision on a national policy that has not yet been determined does not appear to be on solid ground.

Again, the Wild Goose Association urges ICAO to widely expose the FANS recommendations to the multimodal, multinational CNS communities for their comments and evaluation before any unilateral decisions are made ostensibly in the best interests of international aviation.

Finally, the WGA hereby requests a complete copy of the FANS report for our review and suggests that such reports be made more widely available to interested parties. The WGA will submit further commentaries upon review of the full recommendation proceedings and upon review of the comments to ICAO which we understand are being prepared by various organizations who are concerned about this issue as we are.

With gratitude for your consideration.

Sincerely,



John D. Illgen  
President, WGA

cc: E. McGann  
J. Culbertson  
J. Beukers



## BOARD OF DIRECTORS

J.D. ILLGEN ..... President  
J.F. CULBERTSON .. Vice President  
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V.L. JOHNSON  
E.L. McGANN  
M.J. MORONEY  
W.L. POLHEMUS  
W. SCHORR  
J.L. TOMS  
J.P. VAN ETEN

85th. 890423  
*In Suspense -  
Pending further input.*



EXHIBIT 4

## WILD GOOSE ASSOCIATION

January 16, 1989

### 1988 WGA Convention Report

The 17th Annual WGA Convention was held in Portland, Oregon October 25-27, 1988. The Portland Hilton hotel provided marvelous accommodations and services throughout. Attached is a report which summarizes the highlights of the Convention.

All activities associated with the Convention are now complete except for the printing of the Proceedings. All of the technical papers have been assembled. We are awaiting final quotations for printing from two printers. Once these quotes have been received, we expect to release the Proceedings for printing.

Letters of appreciation have been sent to each committee member and to each Guest Speaker.

In addition to the Convention highlights report, a revised copy of the budget has been included. This includes actual costs which have been expended for each budget item. The remaining expenses to be incurred are the printing and mailing of the Proceedings.

Robert D. Bronson  
1988 Convention Chairman

Wild Goose Association  
17th Annual Convention

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Dates: October 25-27, 1988

Location: Portland, Oregon

Hotel: Portland Hilton

Attendance: 130 Registrants

Number of papers:

28 Papers

Loran in Aviation Forum

Loran/GPS Interoperability Forum

Speakers:

Honorable Denny Smith  
U. S. House of Representatives  
Fifth District, Oregon

Vice Admiral Clyde E. Robbins  
U. S. Coast Guard Commander,  
Pacific Area

Mr. John Kern  
Federal Aviation Administration  
Acting Deputy Associate Administrator  
for Registration and Certification

Mr. Jon Michael Smith  
National Aeronautics and Space Administration  
Deputy Assistant Administrator for  
Commercial Programs

Mr. Robert R. Collins  
U. S. Department of Transportation  
Deputy Assistant Secretary for Administration

Countries represented:

Canada  
United Kingdom  
Norway  
Sweden  
France  
The Netherlands  
Ireland

Revised: 01/09/89

1988 WGA CONVENTION BUDGET

	Quantity @	Unit Cost	Total	ACTUAL COSTS
<hr/>				
I. ESTIMATED EXPENSES				
A. Technical Sessions:				
Room				
Tuesday			\$0.00	
Wednesday			\$0.00	
Thursday			\$0.00	
Audio-Visual Equipment			\$900.00	\$963.73
Coffee Breaks				
Tuesday AM			\$350.00	\$24.36
Tuesday PM			\$130.00	\$503.44
Wednesday AM			\$350.00	
Wednesday PM			\$130.00	\$535.34
Thursday AM			\$350.00	
Thursday PM			\$130.00	\$407.39
Photography				
Tuesday			\$25.00	
Wednesday			\$25.00	
Thursday			\$25.00	
TOTAL TECH SESSIONS:			\$2,415.00	\$2,434.26
B. Speakers:				
Breakfast Tuesday	14 @	\$12.75	\$180.00	\$117.74
Breakfast Wednesday	14 @	\$12.75	\$180.00	\$126.15
Breakfast Thursday	14 @	\$12.75	\$180.00	\$117.74
Board of Directors			\$0.00	\$105.56
TOTAL SPEAKERS:			\$540.00	\$467.19
C. Luncheons:				
Tuesday	100 @	\$16.25	\$1,625.00	\$1,809.60
Wednesday	100 @	\$15.00	\$1,500.00	\$1,558.75
Thursday	100 @	\$12.75	\$1,275.00	\$1,740.00
TOTAL LUNCHEONS:			\$4,400.00	\$5,108.35
D. Hospitality:				
Welcome Reception			\$3,500.00	\$3,422.00
Suite	4 @	\$300.00	\$1,200.00	\$1,955.60
Bartender			\$0.00	
Liquor			\$900.00	\$1,385.21
Food			\$350.00	
Misc.			\$100.00	\$116.25

**Beukers Promotions, Inc.**  
Flowerfield, Building #7  
St. James, New York 11780, U.S.A.

**Tel: 516-862-7500**  
**Fax: 516-862-7403**

**To:** John Ilgen  
**Fax No:** 805-563-2191  
**From:** John Beukers  
**Subject:** Reports for Board Meeting

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January 20, 1989  
10:31 AM

My appologies for being late with these reports. I sent them to Jim Culbertson by modem and we have discussed their content. As you will read, there are a number of issues that are surfaced. I will bring copies to hand out and for subsequent mailing if accepted into the minutes.

I am not sure whether there will be a Membership Committee report but I will have the status as of Jan 13th 1989 with me. This will be modulated by Jim C. with the updates that I have not received as yet. We need to discuss the duties, responsibilities and reporting structure of this important committee.

Marilyn and I arrive at the hotel on Monday afternoon. I will be bringing a proxy for Bob Lilley.

See you next week and hope that you have ordered some sunny and warm weather for us out there

Six pages including this one.

Journal Report  
Secretary's Report

January 12, 1989

1989 WGA CONVENTION

## Estimated budget

<u>Item</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Item Cost</u>	<u>Subtotal</u>
Clam/Lobster Bake-10/29/89	200	\$50.00	\$10000.00	\$10000.00
<u>Coffee Breaks</u>				
10/30 AM			\$430.00	
10/31 AM			\$430.00	
11/01 AM			\$430.00	
				\$1290.00
<u>Coke Breaks</u>				
10/30 PM			\$185.00	
11/01 PM			\$185.00	
				\$370.00
<u>Speakers Breakfasts</u>				
10/30	14	\$10.50	\$147.00	
10/31	7	\$10.50	\$73.50	
11/01	14	\$10.50	\$147.00	
				\$367.50
<u>Luncheons</u>				
10/30	150	\$12.00	\$1800.00	
11/01	150	\$12.00	\$1800.00	
				\$3600.00
<u>Hospitality</u>				
Welcome Reception			\$2500.00	
Liquor			\$1500.00	
Food			\$400.00	
Misc.			\$400.00	
				\$4800.00
<u>Banquet</u>				
meals	200	\$25.00	\$5000.00	
bartender			\$50.00	
				\$5050.00
<u>Printing</u>				
Proceedings	250	\$15.00	\$3750.00	
Call for Papers	800	\$3.00	\$2400.00	
Registration Packet	150	\$4.00	\$600.00	
Program	250	\$3.00	\$750.00	
Stationery			\$350.00	
				\$7850.00
<u>Postal</u>				
Call for Papers			\$150.00	
Registration Packet			\$200.00	
				\$350.00
<u>Other</u>				
Signs & Decorations			\$200.00	
Badges	200	\$2.50	\$500.00	
				\$700.00
<u>Contingency fund</u>			\$1500.00	
				<u>\$1500.00</u>
<u>TOTAL EXPENSES</u>				\$35877.50

Budget Supplemental Information

No Charge for the Following Items:

Hospitality Suite  
Audio-Visual Equipment  
Photographer  
Meeting Rooms  
Registration Area

Schedule of Technical Sessions

All day Monday 10/30/89  
Morning only Tuesday 10/31/89  
All day Wednesday 11/01/89

Registration

Members: Early -	\$165.00 (expect 75 = \$12375.00)
At Meeting-	\$190.00 (expect 75 = \$14250.00)
Non-Members:	\$215.00
Clam Bake & Banquet	
Ticket for each of	
Member's family-	\$50.00 (expect 50 = \$2500.00)

Activities

Golf Tournament: Early PM Sunday 10/29/89  
Free Time: PM Tuesday 10/31/89

Expected Revenues

Registration Fees:	\$29125.00
Corporate Support:	\$ 7000.00
	<u>\$36125.00</u>

Room Rates(Tara Hyannis Hotel & Resort)

Rates are for single or double occupancy per night

Civilian: \$69.00

Government: \$56.00

### 1989 WGA Convention Game Plan

- January 23, 1989 - WGA Board of Directors review/approval  
of :  
    Schedule of events  
    Budget estimate  
    Convention theme  
    Call for Papers  
    Proposed Sessions
- February 6, 1989 - Call for Papers mailed to membership
- April 17, 1989 - Deadline for abstracts
- May 1, 1989 - Notice of acceptance/rejection to all  
abstract submitters
- May 22, 1989 - Mailing of Convention Brochure, including  
complete program
- July 17, 1989 - Final date for paper submittals
- August 21, 1989 - All papers revised/finalized
- September 18, 1989 - Submit copy of proceedings to printer
- October 2, 1989 - Unbound copies to meeting participants
- October 9, 1989 - 250 bound copies to TSC

EXHIBIT 6

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## Wild Goose Association

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85th Meeting of the Board of Directors  
January 23, 1989

### Journal Committee Report

Progress on the preparation and publication of the 1988/1989 Journal has been minimal during the past three months. This is due to the substantial work load in secretarial and administrative tasks that have been reported by the secretary. The lack of progress can also be attributed to the poor response to requests for contributions and other input required of the membership and others. The latter has been aggravated by inadequate follow up on behalf of the chairman.

Now that many of the one-time administrative tasks, resulting from change in responsibilities are behind us there should be a substantial improvement from the current situation.

One important point should be noted. Although the Journal has been produced for over 10 years, there is virtually no historical record of the generation of past issues, no artwork, no information on costs etc, in fact it is as if we are starting from scratch. This situation must not be repeated and to this end from this point forward, all physical and electronic files will be inventoried, indexed and preserved for the next and future issues. This is one more instance where the absence of continuity costs the association both time and money.

The last item concerns WGA publications in general. Would it not make more sense to change the name of the Journal Committee to "Publications Committee" and let this committee be responsible for the proceedings. In this way the chore of publishing the proceedings will be removed from the Convention Chairman and there will be a much better chance of consistency in format, presentation and quality. Some discussion on this subject is solicited.



Date: January 13, 1989

EXHIBIT 7

85-44

Subj: Report to the WGA Board of Directors

From: Robert W. Lilley

WGA Publications:

Ohio University was able to locate several of the WGA publications listed on John Beukers' 12/09/88 printout; three of these were forwarded to John. They were:

- 1 Loran-C Characteristics (a WGA publication)
- 2 Proceedings of the Fifth Technical Symposium, 1976
- 3 Radionavigation Journal, 1976

The remaining listed publications at Ohio University are:

- 4 Proceedings of the Fourth Annual Technical Symposium, October 16-17, 1975
- 5 Proceedings of the Loran-C Workshop, Gettysburg, PA, June 5-7, 1974, Sponsored by US Coast Guard and WGA.

John and I decided to wait on copying these documents (they are our library copies) until we see if they are available from other sources. If not, I will have them copied and forwarded to John.

Newsletter:

Bob Miller provided a PC disk with past newsletter data and processing files. At the 84th Board meeting, John Beukers proposed a new newsletter format, which he generated using PAGEMAKER software. I have begun searching locally for a copy of PAGEMAKER, and will purchase one if a site license is not already available on campus.

Other matters currently being pursued:

Production - PAGEMAKER, with data from John Beukers for masthead font, WGA logo data file, etc.

Printing - Several local printers available, plus on-campus service bureau. Will "accept bids."

Folding, Stuffing - Local services may be available, in addition to student labor, if manual means required.

Postage - How to handle? Mail directly, and send invoice to WGA? Who?

Mailing - Where will labels be generated? Affixed?

Report to WGA Board of Directors  
January 16, 1989  
Page 2.

Reminder to Directors: We will need a short article from each Director for each newsletter. Also please submit notices of important WGA and pertinent non-WGA events. (e.g. Mike Moroney might keep us up to date on Loran-C/GPS interoperability program activities).

PS: Sorry to miss the meeting; probabilities for Oklahoma City and Washington meetings are much better. See you then!

85th 890123  
ANDREN/DENN

## EXHIBIT 8

### WILD GOOSE ASSOCIATION Nominations and Election Committee

230 Rutgers Place  
Nutley, NJ 07110  
December 28, 1988

To: <sup>Andren</sup> Secretary, Wild Goose Association  
From: Jim Van Etten <sup>Jim</sup>  
Subject: Status Report, Nominations and Election Committee

The WGA Nominations and Election Committee for 1989 has been formed. Membership is as follows:

Bill Garmany  
Vern Johnson  
Ed McGann  
Jim Van Etten, Chairman

Term of office for the following elected Directors expires at the end of 1989:

Carl Andren  
Jim Culbertson  
John Illgen (will become past President)  
Jimmie Toms

Also, the term of the following appointed Directors expires at the end of 1989:

Jim Alexander  
Bob Bronson  
Bob Lilley

A notice soliciting recommendations from the membership for candidate recommendations will be published in the January newsletter.

The committee will develop a slate in the February/March time period for President and for Directors; presentation to the President for Board of Director's action is planned before the April Board meeting.

cc: John Illgen, President  
Committee members

BOARD OF DIRECTORS

J.D. ILLGEN ..... President  
J.F. CULBERTSON .. Vice President  
L.F. FEHLNER ..... Secretary  
C.S. ANDREN ..... Treasurer  
B. AMBROSENO  
R.D. BRONSON  
D.A. CARTER  
W.N. DEAN  
V.L. JOHNSON  
E.L. McGANN  
M.J. MORONEY  
W.L. POLHEMUS  
W. SCHORR  
J.L. TOMS  
J.P. VAN ETTEN

85<sup>th</sup> 890123  
ANDREN/DEAN



EXHIBIT 9

## WILD GOOSE ASSOCIATION

TO: J. Illgen  
FROM: E. L. McGann  
DATE: 13 January 1989  
SUBJECT: Congressional Liaison Committee Report

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The following represent comments on current issues:

- 1) The Hyperfix issue has not moved since last report.
- 2) DOT and Cong. Smith staff are keeping each other apprised of the "Smith initiative" progress.
- 3) There is a rising concern in the civil community as more spokespersons for DOD reaffirm that GPS is primarily a military system and almost, but not quite, is "civilian's use at their own risk". What is said is that DOT will inform civil users of what will be available. Does DOT know this? Is DOT going to describe selective access effects, etc.?
- 4) The Northwest Europe/North Atlantic multinational agreement still moving positively. Canada has now joined.
- 5) IALA is sponsoring a Mediterranean Loran-C conference the week of 16 January '89 to try to start a similar effort there to the NW Europe one.
- 6) Similarly the Pacific Assoc. of Lighthouse Authorities will meet in Japan late February with Loran-C for the Pacific rim as one of the key topics.
- 7) Venezuela is still simmering.
- 8) India will enter into contract for two ports by 15 February 1989.

Action items:

WGA to decide 1989 agenda:

- a) Smith initiative follow-on?
- b) Caribbean expansion?
- c) Continue DOD education?

Enjoy!

*Edward b. McLamie*

cc: J. Culbertson

## Board of Directors

John D. Illgen.....President  
James F. Culbertson...Vice President  
John M. Beukers.....Secretary  
Carl S. Andren.....Treasurer  
James O. Alexander  
Robert D. Bronson  
Walter N. Dean  
Leo F. Fehlner  
Vernon L. Johnson  
Robert W. Lilley  
Edward L. McGann  
Maurice J. Moroney  
David C. Scull  
Jimmie L. Toms  
James P. Van Etten

EXHIBIT 10

# Wild Goose Association

Please address response to:

David C. Scull  
2112 Wittington Blvd.  
Alexandria, VA 22308



## CIVIL RADIONAVIGATION WORKING GROUP REPORT

January 19, 1989

I had hoped to report that the 1988 Federal Radionavigation Plan (FRP) had been signed off by DOT Secretary Jim Burnley so we could start the printing process. We already have the signature of DOD Secretary Frank Carlucci. Supposedly it will be given to him so he can sign off on it today, the last day he will be at DOT. I am keeping my fingers and toes crossed since I do not want to start the process over again with a new DOD and DOT Secretary. I don't expect you will see any significant changes in this edition in regard to the DOT\Coast Guard policy on LORAN-C.

Due to budgetary restraints we probably will not have the FRP hearings this fiscal year. I have been talking with William T. (Bill) Adams, President of the Radio Technical Commission for Maritime Services (RTCM) about this year's RTCM Annual Meeting. This meeting will be held in Seattle, WA during the period April 9-13, 1989. Bill plans to have a discussion panel on Federal Radionavigation Policy and I will be giving my usual paper on the subject. For further details, get in touch with myself or Bill at 202 639-4006.

I recently attended a briefing at the DOT Transportation Systems Center, on the GPS/LORAN-C interoperability studies being conducted for the FAA. I was impressed with the many tasks being performed and the good communication between the various contractors involved. This is important so as to avoid duplication of effort and making sure all technical areas are covered. A similar meeting is to be scheduled with Coast Guard

early next month on their synchronization improvements and investigations of Time of Emission (TOE) control. Coast Guard is working with the US Naval Observatory and has made some significant improvements to the master station synchronization in relation to UTC. This work is being performed to meet the requirements of legislation sponsored by Congressman Denny Smith. DOT is due to submit a report to Congress by September 30, 1989 on this work. The timing is just right so that the results of this effort can be presented at the next WGA Technical Convention.

The International OMEGA Association is pressing the interoperability with GPS issue. A paper on this subject will be given by Henry Schlacta, Canadian Marconi at the ION National Technical Meeting in San Mateo, CA next week. OMEGA transmitting stations although using a network synchronization get time checks from GPS.

#

# EXHIBIT 11

DoD WORKING GROUP

To Follow



Board of Directors

John D. Illgen.....President  
James F. Culbertson...Vice President  
Leo F. Fehlner.....Secretary  
Carl S. Andren.....Treasurer  
James O. Alexander  
John M. Beukers  
Robert D. Bronson  
Walter N. Dean  
Vernon L. Johnson  
Robert W. Lilley  
Edward L. McGann  
Maurice J. Moroney  
David C. Scull  
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# Wild Goose Association

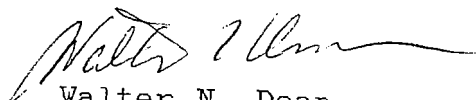
November 28, 1988

Commandant (G-LRA-2/21) (CGD 88-011)  
U. S. Coast Guard  
Washington, DC 20593-0001

Dear Sir:

Enclosed are the comments of the Wild Goose Association in the matter of the Advance Notice of Proposed Rulemaking concerning private electronic aids to marine navigation. We trust that these comments will be useful to you.

Sincerely,

  
Walter N. Dean  
Director

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# Wild Goose Association

November 28, 1988

Before the  
UNITED STATES COAST GUARD  
Washington, D.C.

In the matter of	)	
	)	
Private electronic aids	)	CGD 88-011
to marine navigation	)	

## COMMENTS OF THE WILD GOOSE ASSOCIATION

The Wild Goose Association respectfully submits its comments in response to the U. S. Coast Guard's Advance Notice of Proposed Rulemaking in the above matter.

The Wild Goose Association (WGA) is an organization of persons interested in the loran radionavigation system. It includes operators, including many Coast Guard personnel, manufacturers of loran transmitters and receivers, and users of the system. The principal concern of the WGA is the continued improvement, operation and use of the loran system, and the education of present and prospective users of the system.

The WGA recognizes the importance of the subject of private operation of marine radionavigation aids, and welcomes the opportunity to comment on the subject. These comments will, because of the orientation of the WGA, be directed principally toward the loran system and system variations which derive from it.

A general comment on the proposed rulemaking is that the Coast Guard must retain technical oversight of all marine navigation aids, public or private. This includes establishment of standards as required, and resolution of any radio frequency interference problems which may arise as a result of introduction of new or additional systems. The WGA recommends that private radionavigation aids be allowed only in areas where it can be shown by the applicant that government provided existing aids cannot satisfy user requirements.

The Advance Notice of Proposed Rulemaking poses five questions regarding the possible authorization of private marine radionavigation aids. The following discussion is an attempt to answer these questions.

1. Should the Coast Guard amend its regulations to allow for private electronic aids to marine navigation?

The WGA recommends that radionavigation systems which provide service over wide areas to the general public must be maintained as government operated systems, as typified by the Loran-C system now in operation and in the process of expansion. However, it is recognized that in localized areas or for specific applications, some private organizations have an interest in radiodetermination systems. There is no objection to these as long as public service is not adversely affected.

2. Should the Coast Guard allow private radioaids via a licensing program?

The Coast Guard states that it "will ensure that all applicants who desire to operate private electronic aids are capable of meeting a standard of performance the government deems necessary to ensure safe navigation". This will require the Coast Guard to prepare sets of performance standards and to provide the manpower to police them. The WGA questions the availability of money and manpower to make the commitment required to carry out the responsibilities involved in a licensing program.

It is suggested that "privatization" of the program may be a way to achieve the desired results without the establishment of an infrastructure within the Coast Guard to manage the program. This would, in effect place the cost of the infrastructure on those who hope to profit from the arrangement.

3. Should the Coast Guard allow private marine radionavigation aids and require system operators to certify that their systems meet yet to be established minimum performance standards when their system is used to satisfy the federal requirement for an electronic position fixing device? Who should issue these minimum performance standards?

The WGA is reluctant to recommend a certification program without clarification as to the mechanism for establishment of minimum performance standards. If certification of private radionavigation aids is required, it should be for all such aids, not just those used to satisfy federal requirements.

Minimum performance standards are typically based on work of organizations such as the Radio Technical Commission for

Marine Services, which has, in the past, been the source of a number of technical performance specifications. Minimum performance standards regarding loran and loran-derived systems are of particular interest to the WGA. The WGA would expect to seek involvement in preparation of any standards for loran-based radio-determination systems or for differential loran systems.

4. Should the Coast Guard allow operation of private electronic aids with little or no control?

In the opinion of the WGA, radionavigation aids which serve marine safety cannot be operated without control. The references to performance standards and certification requirements in previous paragraphs indicate the necessity of control which is implicit in any system having an impact on safety at sea.

The last sentence in the Coast Guard's comment says it all, "This alternative doesn't address the issues of system availability, coverage, accuracy and accountability raised in 33 CFR 164.41".

5 Should 33 CFR 164.41 be changed to provide guidelines on how a private marine radio aid can qualify to be used in place of a federally provided system that is required on certain vessels?

The answer to this question is best found in the comment found in the ANPR, "The Coast Guard has yet to be asked to approve using something other than a LORAN-C receiver or a satellite navigation receiver under this regulation". It appears to the WGA that the requirements of 33 CFR 164.41 are sufficiently clear, and that further guidelines should be unnecessary.