

27 April 1988

## MINUTES OF THE 81st MEETING OF THE BOARD OF DIRECTORS

The 81st meeting of the Board of Directors was held as scheduled on 27 April 1988. See Exhibit 1.

### Attendees:

#### Directors

J D Illgen  
J F Culbertson  
L F Fehner  
C S Andren  
J M Beukers  
D A Carter  
W N Dean  
V L Johnson  
E L McEann  
M J Moroney  
W Schorr  
J L Toms  
J P VanEtten

#### Proxies

R D Bronson  
(Exhibit 2)

#### Visitors

Irving Lublin IOA  
Larry V Grant USCG  
Andrew Sedlock USCG

### Item 1- Call to Order

The meeting was called to order at 1301 27 April 1988. The number of Directors present met the requirements of a quorum.

In an opening statement, President Illgen announced with regret his acceptance of the resignation of Barney Ambroseno from the Board of Directors. The Board requested Illgen to send a letter of appreciation to Barney for his dedication to the WGA and the great effort he expended as Chairman of the Journal Committee and Editor of a series of outstanding Journals.

Illgen then extended the Board's appreciation for the willingness of John Beukers to accept an appointment to fill Barney's seat on the Board. The appointment had been approved by a poll of the Board by mail. The Board then extended a unanimous and hearty welcome to John, noting that his expertise and prior experience as President and Board member will be of great benefit to the WGA.

Item 2- Secretary's Report

In the absence of any corrections to the previous Minutes, the Minutes of the 80th Meeting of the Board was accepted as written.

Fehlner reported on the annual mailing of dues notices. About 500 notices were mailed 1 Dec 87 to members who owed dues for 1, 2 or 3 years. Dues payments were received from about 350. In addition, about 100 letters were mailed to members who did not owe dues informing them of the dues increase for future years.

On 30 Mar 88 all data relative to individual and organization membership was archived and new data discs were put in service containing the archived data purged of the data for 1985 members. On 1 Apr 88 reminder dues notices were mailed and as of the date of this meeting 18 have paid dues, leaving about 120 in poor standing.

Item 3- Treasurer's Report

The Treasurer's Report is shown at Exhibit 3. Following a review and discussion of the report, the report was accepted as presented.

Item 4- Committee Reports

a. Conventions

1986- Illgen will write Marchal indicating that all 1986 Convention accounts are assumed closed.

1987- Toms reported that all accounts are closed. The Proceedings have not yet been published due to difficulty in obtaining copies of some papers. A decision was made to go to press with papers in hand on 15 May 88, indicating where necessary that copies of missing papers might be obtainable from the authors.

1988- Illgen and Toms for Bronson reported that 1988 Convention preparations are on target except for the call for papers. Discussion then ensued regarding the cost of Proceedings. In accordance with previous motions of the Board still in effect, all WGA members in good standing shall receive a copy of the Proceedings as a tangible benefit of paying dues. Also, it cannot be expected that Members who attend the Convention should share the cost of Proceedings for non-members. Therefore attendance fees must be greater for non-members by an amount estimated to cover the per-copy cost of the Proceedings. It was also decided that- a. the Convention should be budgeted for a cushion to decrease the probability of a loss, and b. the call for papers should state that papers must be received before the Convention or not presented, except for invited papers which could be recorded instead, if necessary. Oversight of working details of all this were handed to the Executive Committee.

b. Journal- Beukers announced that there would be a 1987/88 Journal, however it may not be in time for the '88 Convention.

c. Membership- Toms indicated that there had been quite a bit of correspondence with applicants for membership, and also with individuals and organizations requesting copies of WGA publications

d. Newsletter- Illgen reported for Miller. Inputs for the next Newsletter are requested by June 88. An effort is to be made to obtain more professional printing.

e. Nominations & Election- VanEtten presented the 1988 ballot proposed by the Committee. See Exhibit 4. The ballot was approved by the Board as presented, and signed by the President.

f. Congressional- Chairman McGann briefed on the Navy's adverse attitude toward the use of Loran in the Persian Gulf. He also briefed on GPS, Decca, Loran, and other systems in other parts of the world. He indicated that Andy Sedlock and George Quinn had conferred with Mexican authorities relative to their interest in Loran. McGann indicated he would provide written copies of his brief to Directors.

g. Awards- Illgen reported for Frank. Nominations for awards are requested by the end of July at the latest.

h. Civil- Illgen explained the presentation made by Illgen and McGann on behalf of the WGA at the recent User's Conference on the FRP. A copy of the presentation had been sent to all Directors for editorial comment. After much discussion, VanEtten accepted an assignment to prepare a final revision reflecting Directors' comments by the end of May.

i. DOD- Illgen is preparing a report of the Committee which will stress the need for a mix of navigation systems.

j. Audit- Johnson pointed out that the By-Laws restrict Audit Committee members to WGA members who are neither Directors nor Officers. Therefore Johnson could not accept the Chairmanship. Illgen indicated he would appoint Cal Culver to be Chairman.

k. History- No report.

l. 5-Year Plan- Illgen briefed the Board on the discussions of Beuker's 19APR88 letter to Directors that had taken place at an Executive Committee meeting earlier in the day. He then requested the Executive Committee to work with Beuker's on 6 items:

1. Set standards for items that are periodically duplicated, such as logo, letterhead, medals, certificates, etc.
2. Develop enhancements for the Newsletter.
3. Print WGA inquiry post card and negotiate with receiver manufacturers for enclosing a copy with each receiver produced.
4. Print the new Fact Sheet and Application Forms for general use.
5. Explore the possibility of WGA sponsorship of a new magazine of interest to Loran users or otherwise interested.
6. Convert the existing computerized membership record keeping and mail distribution system to an updated computer system of greater capacity and capability.

Item 5- Old Business

A suggestion was made that the Secretary send a letter of appreciation to NMAE for their publication of papers on Ioran.

Moroney briefed on the aircraft Ioran approach recently approved for use at Venice LA. This plate is the first of a kind because of the absence of any other nav aids.

Item 6- New Business

a. Post Card et al- Covered by Item 4.1. above

b. IALA- Culbertson and Fehlner indicated that, at the invocation of IALA, short history of the WGA is in early stages of development for publication in their Journal. Suggestions for content have been received from a number of members.

c. Oceans 88<sup>9</sup> Session- Dean will organize the presentation of WGA papers at the upcoming meeting. *PKF*

d. Users Conference re FRP- Covered by Item 4.f. above.

e. Fact Sheet- covered by Item 4.1. above.

f. Budget- No report. The Board expressed a need for a consensus on a budget. Culbertson moved the development of an annual budget before the next meeting of the Board. Carter seconded. Discussion led to an amendment defining the year to start on 1 October. Culbertson and Carter accepted the amendment. Motion carried.

g. Maritime Defence Zone- McGann indicated that he had an appointment with Admiral D. C. Thompson USCG to brief on the subject of Ioran versus hyperfix.

h. Power Line Carriers- Dean presented proposed WGA comments on the regulation of the use of electric power lines for radio frequency communications. See Exhibit 5. The Board recommended that it be made stronger by including comments on interference effects on land vehicles.

Item 7- Next Meeting

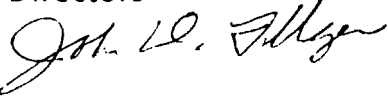
The next meeting will be held Wednesday, 20 July 1988, in Washington DC

Item 8- Adjournment

The meeting was adjourned on a motion by Culbertson at 1610, 27 April 1988.

Leo F. Fehlner  
Secretary

cc: President  
Directors

DATE: 26 February 1988  
TO: WGA Board of Directors  
FROM: John D. Illgen   
SUBJECT: Agenda for the 81st Meeting of the WGA  
Board of Directors

**Enclosure (1)**

The WGA Board of Directors will meet on Wednesday at 1300 hours, April 27, 1988 at 400 7th Street SW Washington D.C., Conference Room 8440 on the 8th floor. The agenda for the meeting is attached. Please review the attached agenda and have your committee chairperson prepare brief written reports for those committees to which you are responsible in accordance with the WGA Board and Committee Organization Chart.

These brief reports should be disseminated and discussed at the April 27 Board Meeting.

If you are unable to attend the Board Meeting - please prepare a proxy statement and mail it to Leo Fehlner in accordance with WGA By-Laws. It is very important to maintain a Quorum for these meetings.

Again, thanking you all for your time, expertise and support to assure the LORAN-C Community is being heard by both the Civil and DDD communities and that LORAN-C high technology is known and shared.

AGENDA  
WEDNESDAY, APRIL 27, 1988

1. Call to order

2. Secretary's Report

3. Treasurer's Report

**Enclosure (1) (con't.)**

4. Standing Committee Reports

a. Conventions

1. 1986 Convention Report

*(Marshal)*

2. 1987 Convention Report

*(Toms)*

3. 1988 Convention Report

*(Bronson)*

4. 1989 Convention Report

*(McGann)*

b. Journal

*(Moroney)*

c. Membership

*(Toms)*

d. Newsletter

*(Miller)*

e. Nominations and Elections

*(Van Etten)*

f. Congressional

*(McGann)*

g. Awards

*(Frank)*

h. Civil

*(Cortland / Schorr)*

i. DOD

*(Illgen)*

j. Audit

*(Johnson)*

k. Historic

*(Frank / Castonia)*

l. LORAN Navigator Business 5-year Plan

*(Beukers)*

5. Old Business

*(TBD)*

6. New Business

a. Industrial Post Card Reply request as WGA insert  
with LORAN products

*(Culbertson)*

- b. IALA Paper *(Fehlner & Culbertson)*
  - c. Oceans 89 Session *(Dean)*
  - d. Radionavigation Users Conference 18 Mar 88  
Status Report *(McGann / Schorr/Toms/  
Cortland)*
  - e. Fact Sheet *(Beukers)*
  - f. Budget for WGA (projection)/submit  
before Board Meeting to Board Members. **Enclosure (1) (end)**  
*(Andren)*
  - g. Maritime Defense Zone *(Culbertson/McGann)*
7. Establish next meeting date and location



Manufacturer of Quality Navigation and Communications Systems

A United Parcel Service Company

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

April 18, 1988

**Enclosure (2)**

WGA Secretary  
118 Quaint Acres Drive  
Silver Spring, Maryland 20904

Dear Leo,

This is to inform you that I wish to appoint Jim Culbertson as my proxy for the April 27 WGA Board meeting in Washington D.C. 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



**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



**WILD GOOSE ASSOCIATION**

**Enclosure (3)**

TREASURER'S REPORT

APRIL 27, 1988

Balance from January 28, 1988 \$6,750.86

TRANSACTIONS

RECEIPTS

Dues	4,034.28	
Proceedings/Journals	130.00	
16th Convention Closeout	5,645.10	
	<u>9,809.38</u>	\$16,560.24

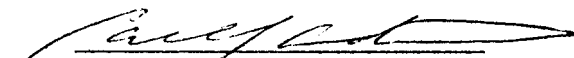
EXPENDITURES

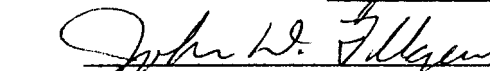
Treasurer's Expense	25.00	
Vice President's Expense	62.21	
Newsletter Expense	1,087.00	
Bank Charges	22.65	
WGA Corporate Registration	10.00	
Dues Refund	36.00	
16th Convention Awards Expense	<u>222.32</u>	
	1,465.18	\$15,095.06

WGA Account Balance as of April 27, 1988 \$15,095.06

Submitted: April 27, 1988

Approved: Date April 27, 1988

  
Carl S. Andren Treasurer

  
John D. Illgen President

**BOARD OF DIRECTORS**

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J.F. CULBERTSON .. *Vice President*  
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C.S. ANDREN ..... *Treasurer*  
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**WILD GOOSE ASSOCIATION**

**Enclosure (4)**

WGA ELECTION BALLOT -- 1988

FOR PRESIDENT: Vote for one.

- ( ) John D. Illgen
- ( ) Jimmie L. Toms
- ( ) \_\_\_\_\_

FOR DIRECTOR: Vote for four.

- |                        |                        |
|------------------------|------------------------|
| ( ) James O. Alexander | ( ) Edward L. McGann   |
| ( ) Robert D. Bronson  | ( ) Robert H. Miller   |
| ( ) David A. Carter    | ( ) David C. Scull     |
| ( ) Walter N. Dean     | ( ) William Schorr     |
| ( ) Nelson H. Keeler   | ( ) James P. Van Etten |
| ( ) Robert W. Lilley   | ( ) _____              |
| ( ) _____              | ( ) _____              |

RETURN BALLOT IN ENCLOSED ENVELOPE TO ARRIVE BEFORE  
JUNE 30, 1988 TO:

James P. Van Etten  
WILD GOOSE ASSOCIATION  
230 Rutgers Place  
Nutley, N.J. 07110

\*\*\*\*\*

**CERTIFICATION:**

I certify that the WGA Board of Directors approved the above slate of candidates at the meeting of the Board held in Washington, D.C. on April 27, 1988.

John D. Illgen  
President

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D. C. 20554

In the matter of ) GEN Docket No. 87-389  
)  
Revision of Part 15 of the Rules ) RM-5193  
regarding the operation of radio ) RM-5250  
frequency devices without an ) RM-5575  
individual license )

**Enclosure (5)**

To: The Commission

The Wild Goose Association respectfully submits its comments in the above-captioned proceeding.

Comments of the Wild Goose Association

INTRODUCTION

The Wild Goose Association (WGA), founded in 1972, has a worldwide membership of over 500, all interested in the Loran-C radionavigation system. Its members represent manufacturers of loran equipment, operators of the transmitting stations, both the U.S. Coast Guard and foreign governments, and users of the system for maritime, aviation and terrestrial navigation.

RADIO FREQUENCY CONCERNS

The frequency band 90-110 kHz has been allocated by the ITU for Radionavigation, specifically the Loran-C system, in recognition of the important role this system plays in the safety of navigation in both the maritime and aviation community. The U.S. Department of Defense has showed increasing interest in use of Loran-C in military applications.

The WGA recognizes that the United States Coast Guard plans to submit comments to the Commission on this matter, and the WGA concurs with and supports those comments.

Of primary interest to the members of the WGA is the safe and effective use of the Loran-C system. Key to this is maintenance of the band 90-110 kHz free of interference, as it has been amply demonstrated that radiations in that band can have a serious effect on the performance of loran receivers. There have been a number of studies, both theoretical and experimental, which show that radiation from powerline carrier (PLC) signals does produce harmful effects on loran receivers operating in the vicinity of such power lines. WGA members are concerned that there has been little incentive for designers and users of PLC systems to avoid the 90-110 kHz band. With the expanding use of both loran and PLC

systems, increasing interference to loran receivers can only be avoided by prohibiting the proliferation of signals in the 90-110 kHz band.

A program which has the potential of serious impact from from PLC interference is now underway under the auspices of the FAA and the National Association of State Aviation Officials. This will authorize the use of loran for non-precision approaches to airports in all 50 states which do not now have adequate approach facilities. This will require loran guidance to a point which may be only 250 feet above ground. A powerline carrier located within that distance could produce serious degradation of loran signals and effectively nullify the approach capability.

We therefore urge the Commission to modify proposed Section 15.113 to specify the frequency band for powerline carrier systems as 9 kHz to 90 kHz and 110 kHz to 490 kHz. Loss of the 20 kHz in the loran band should be insignificant to a system which has such a wide choice of frequencies and has no restrictions on the modulation means to transmit intelligence. We also urge the Commission to add the frequency band .090-.100 MHz to the table of restricted bands of emissions shown in Section 15.205(a) of the proposed regulations.

The alternative to this protection of the 90-110 kHz frequency band will be case-by-case argument and litigation of instances of interference, and the possibility that an interference situation may be discovered, literally, by accident.

**Enclosure (5) (end)**

**BOARD OF DIRECTORS**

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**WILD GOOSE ASSOCIATION**

DATE: February 15, 1988  
TO: Board of Directors  
FROM: John D. Illgen *John D. Illgen*  
SUBJECT: MINUTES OF THE 80TH MEETING OF THE BOARD OF DIRECTORS

The attached Minutes for the 80th Meeting of the Board of Directors was prepared by Jim Culbertson in behalf of Leo Fehlner. I want to especially thank Jim for taking such complete notes and contributing during the meeting. Doing both is not an easy task.

The attachment includes a summary of all agenda items and 18 exhibits. I have added special attachments provided by Ed Mc Gann and Captain Dave Amos. Ed Mc Gann's inputs include a 1989 Convention Report (Attachment A). Ed mailed this report in sufficient time for the postal system to deliver in time (post marked January 22, 1988 (Mailed from east coast to west coast normally takes 3 days). However, our postal system reverted back to its Wells Fargo Days and delivered these reports January 29, 1988 (Murphys Law strikes again). Ed has made considerable progress on the Congressional Committee and is seeking our inputs and recommendations for the exact location of the 1989 Convention. After Bob Bronson has used the 1985 Convention notebook I provided, he should mail them to Ed as requested in Attachment A. Jim Culbertson should send Ed a copy of his excellent summary on items that must be considered for convention preparation.

I have received a note from Vern Johnson regarding the Audit Committee. Vern has referred me to Article V of the By-Laws. The Audit Committee Chairman and members can not be officers or directors of the WGA. This was probably

established to assure independent audit of the management. I would like to receive inputs from the Directors prior to the next meeting for Audit Chairman candidates.

Captain Dave Amos sent a letter outlining some of his work on the DOD Working Group. See Attachment C.

I was delighted to observe the balance of navigation papers (i.e. LORAN, GPS, MLS, etc.) at the Santa Barbara ION. A special thanks goes to Ed Mc Gann (Megapulse) for representing the WGA and interacting with ION on this important issue. Additionally, Bill Polhemus and his committee did an outstanding job in organizing the special ION session on the interoperability of LORAN-C and GPS. Bahar Uttam is the General Chairman for the June ION meeting in Annapolis, Maryland. This meeting will attract many Pentagon, DOT decision makers. I request each Board Member encourage attendance and contributions by WGA members at the ION meeting. We were honored to have F. "Charlie" Sakran (President of the International Omega Association) and W.J. Klepczynski (President of the ION) at our 28 January Board Meeting. I have been invited to participate at the Omega and ION meetings and plan to do so whenever possible.

The next Board Meeting will be Wednesday, April 27, 1988 in Washington D.C. I plan to obtain use of a Conference Room in the DOT building. A note on the agenda, address, room number and time will be disseminated in March 1988.

I want to thank each Board Member for your important contributions. Please extend our thanks to the committee chairman and members who are assisting the WGA.