

Dale E. Johnson ..... President  
David H. Amos ..... Vice President  
Walter N. Dean ..... Secretary  
Carl S. Andren ..... Treasurer  
Robert W. Lilley ..... Past President  
James O. Alexander  
John M. Beukers  
Frank S. Cassidy  
Laura G. Charron  
James F. Culbertson  
John D. Illgen  
J. David Last  
Maurice J. Moroney  
Ben Peterson  
William F. Roland  
David C. Scull  
Durk van Willigen

# Wild Goose Association



*The International Loran  
Radionavigation Forum*

Minutes of the 106th Meeting of the Board of Directors.

1. Call to Order

The 106th meeting of the Board of Directors was convened at 4:45 pm on 20 October, 1993, at the Radisson Hotel, Santa Barbara, California, by President Dale Johnson.

2. Attendance, Proxies and Statement of Quorum

The following Board members were in attendance:

Dale Johnson, President  
Dave Amos, Vice President  
Walt Dean, Secretary  
Carl Andren, Treasurer  
Bob Lilley, Past President  
Jim Alexander  
John Beukers  
Laura Charron  
Jim Culbertson  
John Illgen  
David Last  
Mike Moroney  
Ben Peterson  
Dave Scull  
Durk van Willigen

Also attending: Bill Brogden  
Dave Olsen

The secretary reported that the number of Directors present constituted a quorum, and equaled the two-thirds required for ratification of amendments to the By-Laws.

### 3. Acceptance of Minutes of Last Meeting

Since minutes had not yet been prepared, acceptance was deferred to the next meeting.

### 4. New Business

President Johnson announced appointment of Jim Alexander as director in addition to Last and van Willigen already announced.

Beukers stated that the Moscow '95 convention was on target to go. Andy Stratton is the INA representative. There is a Moscow working group, and a steering committee is being formed to coordinate details. Norm Matthews has been active with the planners, and seems to be a logical person to represent WGA. A motion was made by Beukers, seconded by Dean, "that Norm Matthews be nominated for the Steering Committee for the Moscow '95 Convention as the WGA representative". Motion approved. (note - More recently it has been learned that Ian Anderson will be the INA representative for the Moscow meeting)

On the subject of finances, hotels in Moscow are \$200 a night, or the equivalent of \$10 if paid in rubles. Denisov apparently will arrange to have the hotel included in registration fee. Skepticism was expressed on the possibility of a \$10,000 profit for WGA from Moscow, since attendance of WGA members from U.S. may be in the range of 30-40. We still have no signed agreement with INA or the Russians (IRN). There apparently will be a meeting in Moscow in December, but no deadline for a decision.

Dave Amos reported that the Sonesta Hotel, where the '94 convention is planned, has room rates of \$130-140. The dates are 19-21 October, 1994, Wednesday through Friday. Mike Moroney suggested other possibilities, including Goat Island, Newport, RI, where the rates might be more moderate. (late bulletin - the '94 convention will definitely be at Goat Island, either 18-20 or 25-27 October.) The subject of a theme was discussed, and whether it should have a political ring. Some suggestions were made, but no conclusions drawn.

Dave Amos requested a \$5000 advance from treasurer Andren to provide financial assets for the '94 convention.

Extension of Ellen Lilley's contract to run the WGA office was discussed, and the state of WGA finances (going down) was noted. Illgen moved to renew the contract, seconded by Dean, passed unanimously.

Laura Charron presented the audit report done by her associate. The principal comment seemed to be that details of invoices were lacking. Jim Culbertson asked if convention books should be audited. It was noted that this could drain several thousand dollars from the balance. John Illgen said Mark Mandrel will provide a complete spreadsheet of convention receipts and expenditures for the '93 convention. It was suggested that a good spreadsheet could allow an informal audit to substitute for a formal audit.

Jim Van Etten has resigned as chairman of the Awards committee. President Johnson thanked Jim for his efforts and announced his intention to ask Frank Cassidy to take over the job.

Johnson also announced the appointment of Dave Amos as vice president replacing Dave Scull. Carl Andren will continue as treasurer and Walt Dean as secretary.

The WGA Facts Folder needs update. The artwork is on Beukers' machine. Walt Dean volunteered to edit the text and communicate with Beukers.

Dave Scull noted that the membership application form needs to be updated. Bob Lilley noted that postage could be saved if membership cards were sent out with the dues bill.

It was suggested that the Executive Committee prepare a letter to the Coast Guard suggesting that the name of GPSIC be changed to represent information on a number of radionavigation systems. Tom Gunther was mentioned as a contact.

John Beukers requested that the WGA accept the wording of a brochure on loran being prepared by the European community. Dean moved acceptance, seconded by Culbertson, passed.

Beukers presented a resolution for publication as a result of the Convention, to be sent to persons in decision-making positions. Acceptance was moved by Andren, seconded by Illgen, passed unanimously. A copy of the resolution is attached. Note that the resolution has been enhanced by additional inputs since the board meeting, however the original intent remains unchanged.

## 8. Adjournment

The meeting was adjourned at 5:55 pm.

**WILD GOOSE ASSOCIATION**  
*The International Loran Radionavigation Forum*

The 22nd Annual Convention and Technical Symposium of Wild Goose Association was conducted in Santa Barbara, California over the period 18 - 21 October, 1993. The convention's theme was "GNSS and Loran-C - Partners into the 21st Century". At the conclusion the following Resolution was drawn up and approved by the members present and the Board of Directors.

**RESOLUTION**

**Considering:**

- a. The formal material presented during the Technical Sessions and discussions relating thereto.
- b. The Panel debate "Loran/GNSS Interoperability - The Future of Radionavigation - is the U.S. Listening?"
- c. The substance of informal meetings and discussions relating to the future mix for a Global Navigation System (GNS).

**Noting:**

- a. The Continental United States enjoys complete territorial and coastal coverage of an operational Loran-C system for use on land and water and in the air.
- b. The deliberations of RTCA Special Committee 159 for the development of Receiver Minimum Optimum Performance Specifications for GPS augmented with Loran-C for sole-means navigation in U.S. national airspace.
- c. The international acceptance and expansion of Loran-C by States assuming responsibility for U.S. Loran-C assets under U.S. Circular 175 authority.
- d. Progress with the Northwest Europe Loran-C initiative and agreement for the reconfiguration and expansion of Loran-C in Northwest Europe (NELS).
- e. Progress in the Far East for cooperation and expansion of Loran-C and the Russian equivalent, Chayka, under an agreement between China, Korea, Japan, and Russia (FERNS).
- f. The expressed interest of other States in Asia and the Pacific Rim to join the FERNS activity.
- g. The continuing work to extend coverage of the Russian Chayka system within the CIS.
- h. Agreements between Russia and surrounding States for the cooperation and combining of Loran-C and Chayka.
- i. Progress in discussions between States directed toward entering Loran-C agreements in the Mediterranean, Iberian Peninsula and surrounding areas.

**Recognizing:**

- a. The worldwide interest in civil satellite positioning technology.
- b. The growing worldwide use of the United States Global Positioning System.
- c. The forming of a global navigation satellite system office in Europe by the International Association of the Institutes of Navigation.
- d. The existence and on-going preparation of independent State Radionavigation Plans developed with full cognizance and consideration of the United States Federal Radionavigation Plan.

**Recognizing Also:**

- a. That an international organization to coordinate and implement a multimodal Global Radionavigation System (land, sea and air) does not currently exist.

**Resolves:**

- a. The United States Government agencies responsible for the development of the 1994 FRP are urged to take into account international trends in global radionavigation, and in particular, worldwide expansion of Loran-C and Chayka, and the growing implementation of the Loran-C/Chayka intermix. To that end, and to eliminate uncertainty among the international community, it is further urged that any reference in the FRP regarding a "decision" in 1996 on the future of Loran-C be removed, since it has been publicly announced that the Loran-C system will remain in place until at least 2015.
- b. The United States government should give due consideration to the worldwide use of Loran-C and the system's role complementary to satellite navigation within the United States territorial boundaries.
- c. The United States government is urged to continue recognition of the national Loran-C asset and to recognize the system's role as an integral component of the Global Navigation System and as a complement to GPS.
- d. The international radionavigation community is encouraged to work with State governments in directing an effort to set up an appropriate international organization to coordinate the implementation of a multimodal Global Navigation System.
- e. The United States Government be urged to identify and appoint an appropriate government agency to facilitate becoming a party to the above international organization using the established Circular 175 procedures.

**Recommends:**

Bringing this Resolution to the attention of the United States Secretary of Transportation and to international organizations such as the International Association of Lighthouse Authorities (IALA), member Institutes of the International Association of Institutes of Navigation (IAIN), the Northwest Europe Loran System Coordinating Office (NELS), the Far East Radionavigation System Committee (FERNS), the Internavigation Committee of the C.I.S. (IRN) the International Maritime Organization (IMO) and other organizations as deemed appropriate.

Board of Directors

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Durk van Willigen

# Wild Goose Association



The International Loran  
Radionavigation Forum

*Includes  
final version  
of Resolution*

TO: All Directors

FROM: Walt Dean, Secretary

SUBJECT: Minutes of Annual Membership Meeting 19 October, 1993

The annual meeting of the membership of the Wild Goose Association was called to order by President Bob Lilley at 0805 in the La Cantina room of the Radisson Hotel, Santa Barbara, California.

President Lilley presented the results of the election, Dale Johnson new president, Bill Roland, director for one year, John Beukers, Jim Culbertson, John Illgen and Mike Moroney directors for three years. Bill Roland was leaving for a meeting of the far east loran using nations being held in Seoul, Korea.

A high point of the last two years was last year's convention in Birmingham, England, which had good representation from the European community, and resulted in two resolutions emphasizing the importance of a mix of ground-based and satellite systems for navigation, and supporting the expansion of Loran-C worldwide.

On the aviation front, the FAA has completed the 125 stand-alone loran nonprecision approaches required by Congress last year. RTCA SC-176, chaired by Dale Johnson, is rewriting the loran MOPS. Bob Anoll chairs RTCA SC-159, Working Group 3, preparing specs for combined loran/GPS. Chick Longman, whose inputs to the RTCA specs was so valuable, passed away this year, and will be sorely missed.

The NPA program is still alive. A loran overlay program patterned after the GPS overlay program has been drafted, and has the support of AOPA.

One recent accomplishment is an update of the Loran-C Signal Specification, in cooperation with the Coast Guard.



*faxed 11/2/93  
10:10  
jim*

**—TELEFAX COVER PAGE—**

SENT TO: John Illgen

FROM: Bob Lilley

ADDRESS: \_\_\_\_\_

ADDRESS: *Avionics Engineering Center  
Ohio University  
Athens, Ohio 45701-2979*

TELEPHONE: (FAX) \_\_\_\_\_

(VERIFY) \_\_\_\_\_

DATE: 11/1/93 TIME: 1300

TELEPHONE: (FAX) *614-593-1604*

COVER AND 0 PAGES

*(VERIFY) 614-593-1534  
(FTS) 614-594-8603  
-594-8705*

**COMMENTS:**

John: My thanks for an excellent convention! Ellen and I both enjoyed the activities, and, of course, the environment.

We will get the hotel bill thing straightened out; Mark has provided most of what we need, I believe.

We received three boxes last week; should I expect a fourth? I believe the one which has not arrived was the one with the USCG handbooks.

The flags and honker arrived in Athens safely...!

Again thanks for the hard work

Enclosed is a list of those companies who are either corporate members, (C-1 or C-2), associate members (A), or who sponsor at least one individual WGA member (I). In their way, each of these companies supports WGA.

AOPA (I)  
Bendix/King (C-1)  
Code-Alarm, Inc. (I)  
Commissioner of Irish Lights (C-2)  
FAA NAS Systems Engineering Service (C-2)  
FAA Flight Standards, R&D and Nav/Landing (C-1)  
Locus, Inc. (A)  
Megapulse, Inc. (C-2)  
Meteorological Office (I)  
NAVTECH Seminars, Inc. (C-2)  
Nat'l Center for Atmospheric Research (C-2)  
Norwegian Defence Comm. Admin. (C-1)  
Ohio University Avionics Center (C-2)  
RVM Industries, Inc. (C-1)  
SI-TEX Marine Electronics (I)  
Synetics Corporation (C-2)  
Telecom Solutions (C-2)  
Trimble Navigation Company (C-1)  
US Coast Guard (C-1)  
Coast Guard Activities Europe (A)  
Vaisala Oy (I)  
Volpe Nat'l Transportation Systems Center (C-1)



# WILD GOOSE ASSOCIATION

## RESOLUTION

The Wild Goose Association having concluded its 22nd annual Convention and Technical Symposium in Santa Barbara, California with the theme "GNSS and Loran-C Partners Into The 21st Century" over the period October 18 - 21, 1993.

### Considered:

- a. The formal material presented and related discussions.
- b. The Panel debate "The Future of Radionavigation - is the U.S. Listening?"
- c. Informal meetings and discussions relating to the radionavigation mix for a global navigation system.

### Noting:

- a. The international acceptance and expansion of Loran-C by States assuming responsibility for U.S. Loran-C assets.
- b. Progress with the Northwest Europe Loran-C initiative and agreement for the reconfiguration and expansion of Loran-C in Northwest Europe (NELS).
- c. Progress in the Far East for cooperation and expansion of Loran-C under and agreement between China, Korea, Japan, and Russia (FERNS).
- d. The continued extensions to the Russian Chayka (Loran-C) within the CIS.
- e. Agreements between Russia and surrounding States for the cooperation and combining of Loran-C and Chayka.
- f. Progress in discussions between States leading to agreements in a number of other areas.

### Noting Further:

- a. The current 1992 Federal Radionavigation Plan (FRP) calls for a decision to be made in 1996 as to the future of Loran-C in the United States.

*be*

**Recognizes:**

- a. The worldwide interest in civil satellite positioning technology.
- b. The growing worldwide use of the United States Global Positioning System (GPS).
- c. The forming of a global navigation satellite system office in Europe by the International Association of the Institutes of Navigation.
- d. The presence and preparation of State radionavigation plans independent of the U.S. FRP.

**Recognizing Also:**

- a. That an international organization to coordinate and implement an intermodal global radionavigation (land, sea and air) does not currently exist.

**Resolves:**

- a. That U.S. Government agencies responsible for the development of the 1994 FRP be urged to take into account international trends in global radionavigation.
- b. An appropriate intermodal government agency be identified for becoming party to an international organization using the established Circular 175 Authority procedure.
- c. To be consistent with the international community, a positive decision to extend the protection date for Loran-C in the U.S. beyond the year 2015 should be made in 1996 as called for in the 1992 FRP.

**Recommends:**

This Resolution be brought to the attention of the United States Secretary of Transportation and disseminated widely to the international radionavigation community.