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THE WILD GOOSE ASSOCIATION  
 Post Office Box 556  
 Bedford, Massachusetts 01730

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**THE GOOSE GAZETTE**

**Spring 1988**

Bob Miller, Editor 4161 Heavens Way South Salem, Oregon 97302	(503)371-4718	II MORROW, INC. P.O. Box 13549 Salem, OR 97309
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**THE GOOSE GAZETTE** is an official publication of The Wild Goose Association. period of publication is quarterly with cutoff dates of 1 March for the Winter issue, 1 June for the Spring issue, 1 September for the Summer issue, and 1 December for the Fall issue. WGA members are encouraged to submit material for publication commensurate with the announced publication dates. Material should be sent directly to the Editor. All other correspondence for the WGA should be addressed to The Wild Goose Association, P.O. Box 556, Bedford, MA 01730 USA.

<b>COMMENTS</b>	<b>Editor</b>
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Another change of address on the homefront has caused this delay in publishing the Spring issue. Now, however, the entire family is once again reunited after a seven month separation period. The house is still crammed with unpacked household goods and I haven't yet found the short sleeved dress shirts.

<b>PRESIDENT'S MESSAGE</b>	<b>John Illgen</b>
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Significant progress by the WGA Board of Directors, Committee members, and WGA membership has continued over the last quarter. The Board of Directors (13 attendees) met on 27 April in Washington, DC. Several items of interest were discussed and action assigned as appropriate.

Plans and implementation for the WGA 1988 Portland Convention (25-27 October) are well underway. The Convention Committee is headed by Bob Bronson (II Morrow) and strongly supported by Bob Miller (Technical Chairman and II Morrow Director of Research). A "Call for Papers" for the Portland WGA Convention has been disseminated. Knowing the excellent navigation work the WGA membership is engaged with, I urge each of you to consider submitting a paper to Bob.

John Beukers has accepted the responsibility to prepare a 1987-88 Journal. Those of you interested in contributing to the Journal please contact John Beukers directly. John and Jim Culbertson have generated excellent ideas to enhance the WGA image in view of the very exciting interest in Loran by air, overland, and marine users. These excellent ideas generated by John and Jim caused me to present at the Board meeting six key items that the WGA must include in its planning and implementation process:

- (1) Set standards for items that are periodically duplicated, such as logo, letterhead, medals, certificates, etc.
- (2) Develop enhancements for the Newsletter (Bob Miller has obviously already raised th level of our Newsletter by several orders of magnitude; however, consideration here is based on printing

the Newsletter in a more formal fashion as the membership increases).

(3) Print WGA inquiry postcard and negotiate with the receiver manufacturers for enclosing a copy with each receiver produced.

(4) Explore the possibility of WGA sponsorship of a new magazine of interest to Loran users or otherwise interested parties.

(5) Print the new Fact Sheet and Membership Application Forms for general use.

(6) Convert the existing computerized membership record keeping and mail distribution system to an updated computer system of greater capacity and capability.

The above ideas are for the most part well underway in terms of action by John and Jim.

A written response showing WGA concern for the latest Federal Radionavigation Plan has been prepared and edited by the Board of Directors. The plan has been mailed to Jim Van Etten for the final press preparation. An input covering a short history of the WGA is being prepared by Leo Fehlner and Jim Culbertson. Walt Dean is in the process of developing a session for the Oceans 89 Convention. The session will be focused on Loran-C and Loran-C/GPS interoperability. Ed McGann and Jim Culbertson have briefed Admiral D.C. Thompson, USCG, on the subject of Loran-C versus hyperfix for the Maritime Defense Zone.

Bob Frank requests that nominations for awards be submitted to him as soon as possible.

The next WGA Board Meeting will be 20 July in Washington, DC. Members interested in attending please contact Sharon Garland at 805-563-0665.

Finally, the WGA Board thanks each of you for your contributions to the WGA in support of Loan-C and share the excitement of this growing navigation system.

1988 WGA ANNUAL CONVENTION	Bob Bronson
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Arrangements with the hotel as our site for the 1988 convention are completed. We will have outstanding support from all facets of the hotel administrative staff. The audio-visual support that will accompany the technical portion is a significant step forward in elevating our annual meeting and convention to higher plane of interest for attendees as well as the presenters. The entire committee is pleased with the accomplishments to date and we feel that your venture to the northwest section of the United States will present you with a new appreciation for what our country holds in store for all who seek demographic education.

Speakers are lined up for the luncheons and the banquet. We will not, however, release their identification until the final program is established. This might not occur until just before the next newsletter issue when we hope to have the technical session fully scheduled as well. Bob Miller is asking for member support and I would like to join with John Illgen in encouraging your attention to this matter.

Registration packages are in preparation and should make an early August mailing to the entire membership. This will give everyone almost two months to respond with their reservations. We have a guaranteed block of rooms at a very reasonable rate for those who respond early. A buffer period is being negotiated with the hotel to enlarge that block of rooms and to extend the date of applicability. To ensure the reduced rate, however, you should get your reservation in early because the offering currently limits these rates to those who meet the deadline.

Registration fees for this year will follow the guidelines decided by the Board of Directors. All WGA members in good standing will receive a copy of the Proceedings as a tangible benefit of paying dues. Non-members will be assessed an additional amount to cover the estimated per-copy cost of the Proceedings and will also receive a copy. The exact amount, in either category, has not yet been firmly established; but the present outlook reflects a nominal increase over the previous year due to inflationary trends in all the associated base costs. In addition,

there will be a differential increase for registration at the conference contrasted to advance registration by mail.

A final reminder to mark your calendars to attend the 1988 WGA Convention in Portland, Oregon 25-27 October. You have Monday the 24th to arrange your travel to the northwest and Friday the 28th for your return travel. The entire committee joins me in the hopes that we will see a large membership attendance this fall.

<b>LORAN IN THE NATIONAL AIRSPACE SYSTEM</b>
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<b>Mike Moroney</b>
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Another significant step has been taken to bring Loran into the National Airspace System as a nonprecision approach aid. On April 15, 1988, the Federal Aviation Administration (FAA) commissioned a Loran Instrument Flight Rules (IFR) approach to Chevron, U.S.A. heliport in Venice, Louisiana. It marked the first time that the FAA has permitted the use of Loran for approaches without the concurrent monitoring of another navigation aid. Twelve Loran approaches were approved prior to Venice, but in each case the Loran approach was overlaid on an existing approach for a navigation aid such as VOR, ILS or NDB. Venice also is the first operation that takes advantage of the Loran signal range of validity since the monitor for the Venice area is located approximately sixty-four miles away at the Lakefront, LA airport.

The new Venice approach is especially welcomed by Chevron U.S.A. Inc. which has a large fleet of helicopters servicing oil platforms in the Gulf of Mexico. Chevron has been a very active participant in the Loran Early Implementation Project conducted by the FAA to bring Loran into the National Airspace System in a careful and orderly manner. With no other IFR approaches into Venice, Chevron anticipates heavy usage of Loran during periods of reduced visibility which frequently occur in the January to March time frame. Venice is a harbinger of Loran approaches that will be typical nationwide when Loran becomes fully operational in the National Airspace System in the 1990's.

<b>CALL FOR PAPERS</b>
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<b>Bob Miller</b>
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Please get your abstracts for your 1988 Convention papers to me no later than the date for the Summer Newsletter publication (1 September). Submissions after that date will not be accepted for publication. Bob Bronson intends to distribute the Registration materials by 1 August. We would like to publish the complete Program in the next newsletter, and the additional grace period of one month allows more time for you to prepare the abstract. Right now we can not provide a program by 1 August because the abstracts are not at hand. Each Board member has been asked to cooperate with the Convention Committee by soliciting one paper apiece. Each member can do the same in which case we could realize a highly interesting 3-day technical session. Your efforts will be greatly appreciated by all other WGA members and especially by myself and our convention attendees. Newsletter as well

<b>WALT DEAN NAMED IEEE FELLOW</b>
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<b>Editor</b>
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The Institute of Electrical and Electronics Engineers announced that effective January 1, 1988 Walter N. Dean, WGA Past President, was named an Honorary Fellow of the IEEE. His citation reads in part "... for leadership in the development and implementation of radionavigation systems". The certificate was presented to Walt this spring at a meeting of the Portland, OR section of the IEEE. Walt is one of 200 new Fellows, less than 0.1% of the IEEE membership and this is a singular honor.

Walt joins other WGA members holding IEEE Fellow honors who are Harry Davis, Robert Frank, Winslow Palmer, Jack Pierce, and Vernon Weike. Please join me in congratulating Walt.

<b>FRP HIGHLIGHTS</b>
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<b>Editor</b>
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The enclosed graphic was used at the User's Conference to depict the new Loran network in the U.S. when the North Continental United States (NOCUS) and the South (SOCUS) chains are operational. For the post-1994 timeframe, the following intentions were announced:

Northwest Pacific Chain  
 Central Pacific Chain  
 Labrador Sea Chain  
 Norwegian Sea Chain  
 Mediterranean Sea Chain

Phase over to Japanese  
 Phase out  
 Phase over to Canadians/NW Europeans  
 Phase over to NW Europeans  
 Phase over to Mediterranean group

The Coast Guard is pursuing the Loran-C Synchronization issue, Congressman Denny Smith's (Oregon) initiative to synchronize master stations with UTC to within 100 nanoseconds. Trial procedures for a 200 nanosecond synchronization are being coordinated with the USNO by the Coast Guard. An issue to be studied is the impact on users with TOE control. With Loran-C and PS interoperability coordinated time references to within 30 nanoseconds is being studied.

<b>WGA PRESIDENT OPENS BUSINESS</b>	<b>Editor</b>
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Illgen Simulation Technologies Incorporated (ISTI) has been recently incorporated in the State of California by John D. Illgen. Joining John in the business are John Castonia, Vice President for Technical Programs and WGA member, Warren Chan, Vice President for Contracts and Finance, and Sharon Garland, Administrative Assistant. A staff buildup of national experts is presently underway. The firm will focus on the simulation and test of navigation/position location, communications, command and control as well as intelligence systems. Contact information is as follows:

Illgen Simulation Technologies, Inc.  
 351 South Hitchcock Way, Suite B230  
 Santa Barbara, California 93105  
 Telephone: 805-563-0665  
 Telefax: 805-563-2191

<b>USSR/US LORAN INTEREST</b>	<b>Editor</b>
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At the recent ION meeting in Annapolis, MD, Commander Bob Weaver of the USCG announced the signing of an agreement with the Soviet Union to study the requirements needed to link the Soviet's East Asian chain with the US Alaskan chain. While several issues are at hand for timing control, blinking, etc., the Soviet's attitude appears very high to cooperate. This project deserves a close following for all interested Loran contingents. Besides being a major step forward in the international arena, it could become the basis for a network expansion of Loran in the northern hemisphere.

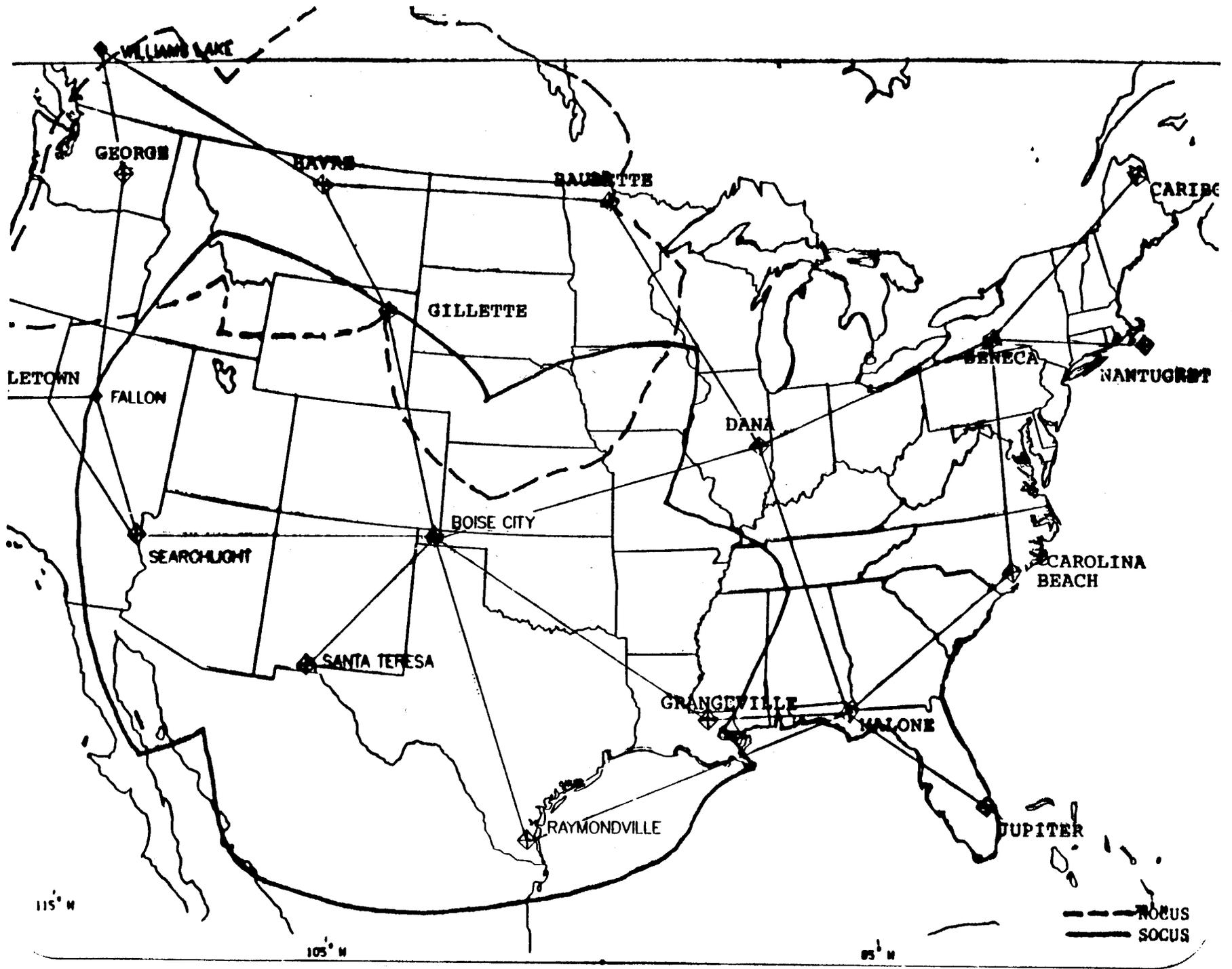
<b>WGA ATTENDANCE AT THE ION</b>	<b>Editor</b>
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At the recent 44th Annual Meeting of the ION at Annapolis, MD, the word "Loran" was formally spoken perhaps more times than in the past 5 year's of ION activity. In attendance were Bahar Uttam, Bill Polhemus, Jim Culbertson, Bob Frank, Larry Cortland, and yours truly, among probably a number of other members. Bahar Uttam was the General Chairman. Bill Polhemus, in his well-known and usual form, chaired the opening session covering the users viewpoint regarding innovations in navigation. Bill challenged the entire navigation community to provide a sound estimate of the future users of navigation systems for terrestrial operations in the coming years. Supplementing the WGA presence, Larry Cortland and Ransom Boyce of II Morrow, Inc. presented a paper in the 4th session titled "Advancements in Loran-C Based Vehicle Systems" which documented the 39 customers served by II Morrow to date with this technology. The expanse of II Morrow's contribution to this industry was definitely enlightening to the participants to include Brad Parkinson, the Technical Chairman. Brad was encouraged to come to Portland and address the WGA on Loran/GPS interoperability; my impression is that he was interested but noncommittal.

<b>TREASURER'S REPORT</b>	<b>Carl Andren</b>
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BALANCE from 28 January 1988		\$ 6,750.86	
<u>RECEIPTS</u>		<u>EXPENDITURES</u>	
Dues	4034.28	Treasurer's Expense	25.00
Proceedings/Journals	130.00	16th Convention Awards	222.32





This year The Wild Goose Association moves to Portland, Oregon, "*The City of Roses*", for its 17th Annual Technical Symposium and Convention.

We are inviting participation from the international forum to present information on Loran's role in their plans. Economy, technology, reliability, adaptability, and internationalism are some prime factors which provide

**VERSATILE  
NAVIGATION  
WITH LORAN.**

Join us for an informative week in Portland this fall.

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***How to Submit a Paper***

Send a one-page abstract of your paper to Robert Miller or Robert Bronson, by 1 August, 1988.

(See committee addresses).

You will be notified of acceptance by 1 September and sent full format instructions. Final manuscripts will be due by October 15.

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The Wild Goose Association  
Seventeenth Annual Convention  
P.O. Box 13549, Dept. 2777  
Salem, Oregon 97309

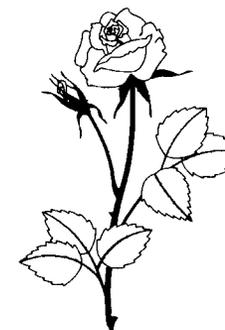


The Wild Goose Association  
announces its

CALL FOR PAPERS

*17th Annual  
Technical Symposium*

**"VERSATILE  
NAVIGATION  
WITH  
LORAN"**



October 25-27, 1988  
Portland Hilton Hotel  
Portland,  
Oregon

CALL FOR PAPERS  
*17th Annual Technical Symposium*  
**"VERSATILE NAVIGATION  
WITH LORAN"**

## Executive Committee:

### General Chairman:

Robert D. Bronson  
II Morrow, Inc.  
P.O. Box 13549  
Salem, Oregon 97309

### Technical Symposium Chairman:

Dr. Robert H. Miller  
II Morrow, Inc.  
P.O. Box 13549  
Salem, Oregon 97309

### Finance:

Scott Davis  
II Morrow, Inc.  
P.O. Box 13549  
Salem, Oregon 97309

### Protocol Advisor:

James Culbertson  
Coastwatch, Inc.  
(714) 531-7974

### Exhibits:

Calvin Culver  
Micrologic  
(213) 998-1216

### Hospitality:

John Illgen  
Illgen Simulations &  
Technologies, Inc.  
(805) 563-0665

# Session Topics and Chairmen

**Session 1:**  
***Domestic and International  
Plans***

Tuesday, 25 October, AM  
Chairman: James Culbertson  
Coastwatch, Inc.  
(714) 531-7974

**Session 2:**  
***Airborne Developments  
and Applications***

Tuesday, 25 October, PM  
Chairman: Dr. Robert Lilley  
Ohio University  
(614) 593-1525

**Session 3:**  
***Loran Technologies***

Wednesday, 26 October, AM  
Chairman: John Beukers  
Beukers Promotions, Inc.  
(516) 862-7500

**Session 4:**  
***Marine Developments  
and Applications***

Wednesday, 26 October PM  
Chairman: LCDR Gary Westling  
U.S. Coast Guard  
(202) 267-0283

**Session 5:**  
***Terrestrial Developments  
and Applications***

Thursday, 27 October, AM  
Chairman: Larry Cortland  
II Morrow, Inc.  
(503) 581-8101

**Session 6:**  
***Loran and GPS  
Interoperability***

Thursday, 27 October, PM  
Chairman: William Polhemus  
Polhemus Associates  
(802) 644-5569