



# Directors' --- Newsletter

From the Secretary

April 1, 1990

## Spring Ramblings

By John Beukers

Spring Ramblings will leave the weather to continue breaking records and get on with the business at hand.

This is the seventh issue of the Directors' Newsletter prepared and circulated to the board over the past ten months. Many of the published articles call for a reply or comments or contain requests for material or assistance. The overall response from the Directors can hardly be called deafening and the purpose of the newsletter to be a means of communication amongst Directors' between board meetings has not been achieved. If one were sensitive to this apathy, one would conclude that the Newsletter was of little interest or value; however a few spot checks would seem to indicate otherwise. Why is it that at this time of growing user interest the board seems to have lost its original verve? In searching for an answer it occurred to me that the Directors' Profile today is significantly different than it was fifteen years ago and may provide a clue. This prompted the article "Directors - Then and Now" which focuses on the future of the WGA and Director Involvement.

This is an important matter because Marilyn and I find that keeping the WGA running is virtually a full time job for both of us. In the spring or early summer of 1991, we will not be available to continue this effort and will be looking to hand off, what we have built up, early in 1991. A plan for this occurrence must be in place in good time so as not to lose the momentum that we have gained.

Your attention is drawn to the article on Manufacturers. It has been previously suggested that all manufacturers of loran equipment be represented

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## Notes from the President

By Jim Culbertson

*Response to Last Newsletter.*

Only 4 unsolicited responses were received in reaction to my last edition comments on the Board meeting process. Since the comments I did receive were all supportive, I presume we can proceed as I have suggested. We will begin the Board meeting at 1000 (10:00 a.m.) on Thursday, 26 April 1990 at ADROIT Systems, Inc. 809 North Royal Street, Alexandria, VA (703) 684-2900. Arrangements have been made by Dave Scull who also will set up a location for lunch. The Board meeting will resume at about 1300 (1:00 p.m.). The Time Keeper will be the LAST Director to arrive before we begin the Board meeting! I am asking Dave Scull to keep track of ACTION ITEMS as they come up. An Executive Committee meeting will commence at 0900 (9:00 a.m.) and of course Directors are invited if they want to attend.

### *Federal Radionavigation Plan.*

No one has volunteered for the job to manage WGA affairs regarding the Federal Radionavigation Plan (FRP). I am asking the Board to resolve this matter during the forthcoming Board meeting!

### *Board Meeting Preparation*

About the time you receive this Director's Newsletter (or shortly thereafter) you will be receiving the Agenda for the Board meeting along with the Committee and Officer's reports that have been received. Please read these reports ahead of time and be prepared to approve or comment on them. If you have an agenda item for New Business or have one we have left out for Old Business, submit them to John Beukers along with some words of expected action as discussed in the last Director's Newsletter.

### *RADM Nelson Meeting*

I am planning on following up on correspondence I had with RADM Nelson (Chief Office of Navigation, U.S. Coast Guard) by meeting with him on Friday, 27 April 1990, the day after the Board meeting. I will be looking for any advice or guidance that Directors may have for me to think about in preparing for this meeting. I would prefer this be in writing but will listen to almost anything said!

### *Loran Issues*

Finally, the Board is far overdue in spending less time on the "nuts and bolts" of WGA and paying much more attention during our proceedings to the technical and other important issues of loran and the radionavigation mix. I intend to discuss with RADM Nelson the WGA position on being the "watch-dog" on loran operations and performance - this needs to be backed up by positive action by the Board. I believe if we follow the "mechanics" I have proposed for dealing with the business of WGA quickly, then we will have the time to address these matters during the normal course of a Board meeting - let's move on!

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## Next Board Meeting

By Dave Scull

We are grateful to the management of Adroit Systems for allowing us to use a conference room to hold the next board meeting.

Details for the next Board Meeting are given on page 2

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## Next Board Meeting

*Continued from page 1*

Date: April 26th, 1990.  
Time: 10:00 A.M..  
Place: Adroit Systems, Inc.  
809 North Royal Street,  
Alexandria, VA  
Phone: (703) 684-2900

Below is a map of the local area. For those who are driving and wish to make parking arrangements, please call me. Those who will be arriving by Metro and need to be picked up should also give me a call. I have made arrangements to have lunch locally.

Look forward to seeing you on the 26th.

## Convention Matters

**1990 Convention** - Details of the 1990 convention have been mailed to the media for inclusion in their calendar listings. The "Call for Papers" was sent to the Editor of the Goose Gazette for insertion in the March issue. Individual copies of the "Call for Papers" have been mailed using our new non-profit bulk mailing authorization to our list of prospects, membership and media. Additional copies of the "Call for Papers" are available by contacting the Secretary.

**1989 Convention Mop Up:** With the exception of David Wooldridge, Jr. of Motorola in the amount of \$280.00, all collections for the 1989 convention have been made. We are still awaiting a reply to our letter to Motorola. Bruce Hensel

has been asked to use his contacts at Motorola to clear up this outstanding obligation.

**Convention Template:** At the request of the President, a template has been created in a spread sheet program (Excel) that will encourage consistency from one convention to another for budgeting and reporting purposes. Copies of the template have been sent to the 1990 Chairman, Jim Alexander, for execution. In preparing this template the Secretary used information from the 1989 convention for a model. In doing so, an updated accounting of the 1989 convention has been completed. This shows revenue in excess of expenses of \$9745.00.

## Convention Classified Sessions

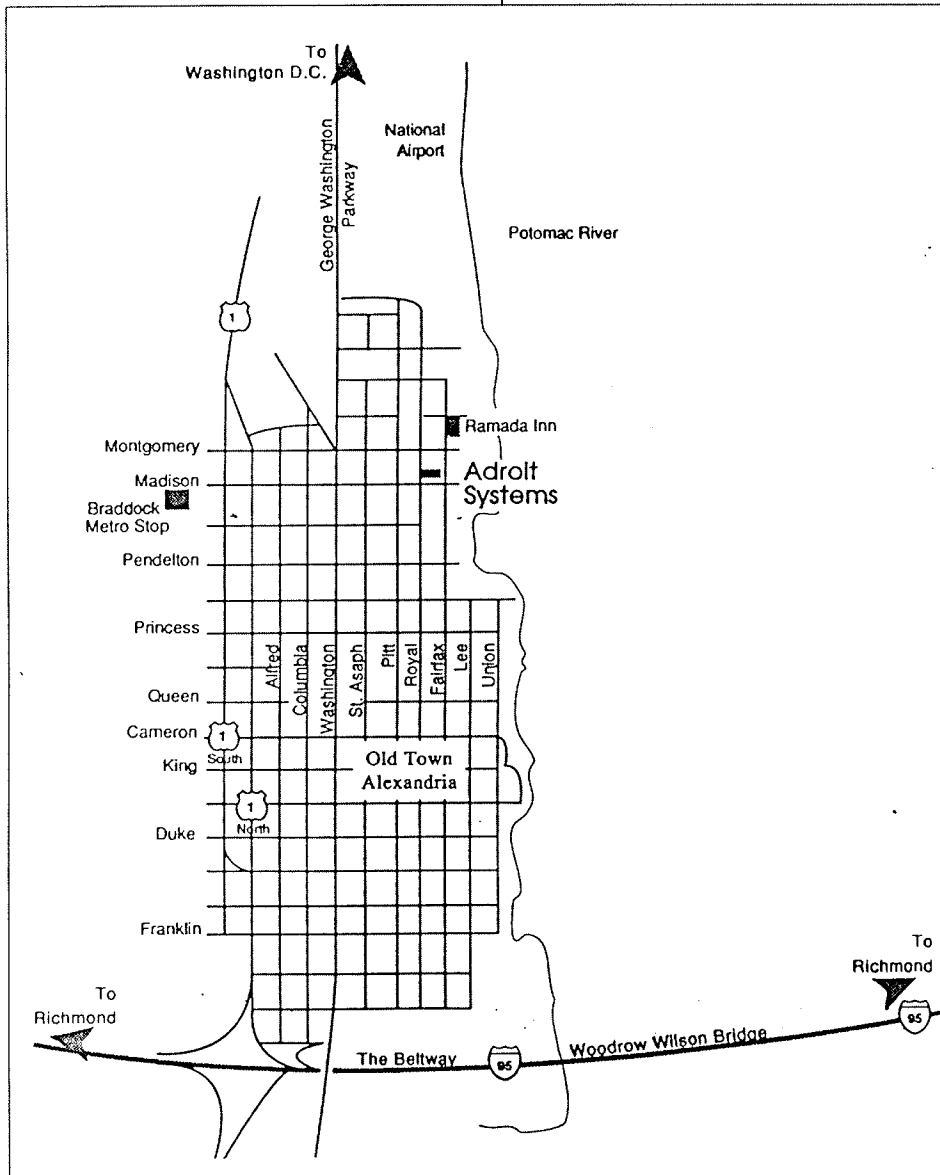
At the last Convention there was some discussion as to how best to deal with papers and discussion groups covering DoD sensitive topics in the presence of visitors from overseas. This was followed up at the January Board meeting with an action item for the Secretary to find out what was the best course of action.

Calls were made to Joseph Houston of Houston Associates, (408-255-6124), an acquaintance of John Illgen, and Joe McClennahan of the Defense Logistics Agency, Entities Branch, Battle Creek, Michigan (616-961-4358).

This issue has been raised because of an incident with an Optical Convention at which personnel from the DoD security establishment showed up. A ruling was made that although there were no classified papers being presented, the collective nature of the material at the sessions constituted an infringement of DoD security policies. This resulted in a substantial number of papers having to be redrawn, and had a substantial negative impact on the Convention.

One way to avoid this problem, according to Joe Houston, is to hold an "Export Control Meeting" at the same time as the main meeting. This meeting may be attended by U.S. and Canadian citizens only. Attendees must have an Export Control number, administered by the Entities Branch of the Defense Logis-

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## Classified Sessions

*Continued from page 2*

tics Agency. This acts as a safety valve for any papers that might be considered sensitive - they can be moved to the closed meeting.

The Secretary pursued this with Joe McClennahan and requested the form DD 2345 that covers this situation.

It would appear that the sensitivity of the papers presented at the WGA Conventions is a matter of opinion. The need to go to the trouble of running this second meeting must be assessed against the risk of having some papers withdrawn. Perhaps the Loran/GPS interoperability subject might be considered in this category. Potential authors may wish to present papers that an open meeting might preclude.

This is a matter for the Board to discuss and upon which to rule.

## Ramblings

*Continued from page 1*

on the board either directly or indirectly. The list provided is a first attempt at accomplishing this.

The membership statistics should be reviewed by the Board because if we are to meet the President's initiative of doubling the membership this year, something has to be done about the poor renewal showing.

Lastly, take note of the time and place of the next Board meeting, read what Dave has arranged in the way of parking and eating, and refer to the map for instructions as to how to get to Dave Scull's company, Adroit Systems.

## 1975 Journal, Anyone?

Does anyone have a copy of the 1975 Journal that they would be willing to part with? The WGA library of publications is almost complete now. We are missing just three papers from the proceedings (and probably unrecoverable) and this, the first issue of the Journal. A borrowed copy would be a second choice which will be copied and returned.

## Loran Manufacturer Representation.

*Add to the list and fill in the blanks.*

In order to get closer to the manufacturers of loran equipment, it has been suggested that we try to get each manufacturer to be represented on the Board of Directors, either directly or indirectly. Here is a start. It would be most helpful if directors would add to the list of manufacturers and suggest contacts within the companies or an intermediary. For example, our agent in Korea was good enough to provide a list of Korean manufacturers for us. In addition, we wrote to

Japan for a similar list of Japanese manufacturers and received a reply from the Marine Technical College. The current list is heavily weighted towards the marine market sector, inputs are needed for manufacturers of airborne equipment and those addressing the land market.

This list will be used to expand the manufacturers card program and to provide the necessary contacts for soliciting advertising for the Journal.

Manufacturer	Contact	Intermediary	Director
ARNAV Systems, Inc	Dean, Walt		Walt Dean
Apelco Marine Electronics			
Azure Technology	Wiener, Ron		Ron Wiener
Bennett Marine Video			Henry Marx
Cho Kwang Electric Co.		S.T. Lee	John Beukers
Dae Jin Electronic Communication Co		S. T. Lee	John Beukers
Datamarine International	Cassidy, Frank		
Digital Marine Electronics			
Eagle Electronics			
Electronic Devices, Inc.			John Beukers
Furuno USA			
Furuno Electric Co. Ltd.	Komatsu, Hiroaki		
Goldstar Precision Co., Ltd		S. T. Lee	John Beukers
Hai Yang Electronic Equip. Co., Ltd.		S. T. Lee	John Beukers
Hondex Marine Electronics			
Il Morrow	Miller, Robert		
IMI/Adler-Barbour/Combi Stereo etc.			
Impulse Technology			
Interphase Technologies			
Japan Radio Co., Ltd	Yamaguchi, Takashi		
Jet Electronics & Technology, Inc.			Bruce Hensel
Hughes Network Systems	Marquart, Robert		Bruce Hensel
King Marine Electronics			
Koden International			
Koden Seisakusho	Fujino, Hiroshi		
Lowrance Electronics			
Marine Radio Co., Ltd.		S. T. Lee	John Beukers
Motorola, Inc	Bonadurer, John		Bruce Hensel
Micrologic/Voyager			Jim Alexander
Mieco			
Qualcomm, Inc.	Hartigan, Larry		Bruce Hensel
Ray Jefferson			
Raytheon Marine Company			
Rflektronika BV	Heijnis, J.		John Beukers
Ross Engineering	Simpson, Larry		Henry Marx
Searanger Marine Electronics			
Sena Co., Ltd.	Arai, Tsutomu		
Shin-A Enterprise Co., Ltd.		S. T. Lee	John Beukers
Si-Tex Marine Electronics			
Simrad			
Sony Corp. of America	Donlon, Shelly		Bruce Hensel
Taiyo Musen Co., Ltd.	Kouzu, Tadahiko		
Trimble Navigation	Morgenthaler, Mark		
West Marine Products			

## WGA Receives Non-Profit Mailing Authorization.

We are fortunate in having an individual (Randy) at the St. James Post Office who not only knows her stuff but is also very cooperative in helping us through the intricate mysteries of the U.S. Postal Service and, in particular, bulk mailing. On the basis of information provided to the Post Office, a determination was made that we qualify for the Non-Profit rate of 8.7 cents for bulk mail. This is a considerable saving over the first class (25 cents) and regular bulk mail rate (16.7 cents). There are of course requirements that have to be met to qualify for the reduced rate. Hopefully we have met all of these and can now take advantage of the written authorization. This is an item that should receive attention by anyone who intends to make a bulk mailing (for example the Newsletter and Convention mailings).

## Welcome to our New Members

### March New Members

We welcome the following new members that have joined the Association since the beginning of March.

Allison, Ray P.  
 Bellantoni, John F.  
 Besant, Christopher  
 Cochran, A. R.  
 Cosgrove, Burt  
 Fletcher, Harold K.  
 Honey, Frederick J.  
 Horsager, Jerry  
 Huddleston, Steve

Jensen, Captain D.  
 Jones, Dennis M.  
 Knauer, Timothy G.  
 Krammes, Lt. S.  
 Lee, Graham N.  
 Litchford, George  
 Lo, Ray  
 Maceluch, Dr. John J.  
 Perry, Wes  
 Poole, Richard W.  
 Smith, Dave  
 Vaughan, Tudy  
 Viehweg, LCDR C.  
 Wilmert, Terry

## Membership Rebounds to Last Year's Level

### Membership Statistics

Here are the membership statistics as of April 1, 1990 for paid up members for 1990 or beyond:

	May 26	July 26	Sept. 26	Nov. 27	Jan.1	Mar.1	April 1
Individual	320	346	372	415	426	295	349
Corporate1	5	5	5	5	5	3	3
Corporate2	11	12	12	12	12	8	13
Associate	5	5	5	8	8	2	2
Sponsored	93	93	102	102	102	48	70
Life	24	24	24	24	24	27	28
Honorary	9	10	10	10	10	10	10
Prospects	N/A	421	596	771	817	944	1015
Complimentary	41	41	41	41	41	40	38
<b>Total Membership</b>	<b>467</b>	<b>494</b>	<b>533</b>	<b>576</b>	<b>587</b>	<b>393</b>	<b>475</b>
1988 Delinquencies				102	102	102	98
1989 Delinquencies						218	166

The total paid up membership, including Life and Honorary members, currently stands at 475 with 1015 prospects listed. Membership dues reminder notices were mailed during March and resulted in approximately 20 additional renewals.

# 1989 Delinquent Dues

The following were paid up members in 1989, but, as of March 31 1990, their dues have yet to be paid. A reminder notice was sent out to 180 of these

tardy individuals and organizations in the middle of March and has resulted in 21 additional responses. In addition to this list, 13 members' renewals are currently in question due to method of payment or some other factor.

Directors are asked to peruse this list

and provide input that will enable the Secretary to remove names - preferably by soliciting payment of delinquent dues. Members on the list have been warned that their names will be removed from the active mailing list in April.

Albert	J. R.	Comm. Sec. Est., Dept of Nat Def.	Regular	Individual
Anderson	William V.	Turboprop International Inc.	Regular	Individual
Arnstein	Paul H.	USCG (G-NRN-1)	Regular	Individual
Baltzer	Charles	Advanced Navigation, Inc.	Sponsored	Sponsored
Baran	Paul	Interfax, Inc.	Regular	Individual
Batch	Craig	METS Inc.	Sponsored	Sponsored
Berg-Johansen	Roar	II Morrow Inc.	Regular	Individual
Bloodworth	Morris B.	General Dynamics	Regular	Individual
Boudreau	Henri A.	Canadian Hydrographic Service	Regular	Individual
Boyer	Franklin E.	Frontier Engineering, Inc.	Sponsored	Sponsored
Bryan	John W.	Spears Associates	Regular	Individual
Buddenberg	LCDR Rex	U.S. Coast Guard	Regular	Individual
Burgin	William F.	Hondex Marine Electronics	Regular	Individual
Burket	Paul E.	Oregon State Aero. Division	Regular	Individual
Campos	Jose Caminha		Regular	Individual
Canada	Transport		Regular	Associate
Carbone	Jerry	Tropic Aero/Marine, Inc.	Regular	Individual
Carroll	Bernard C.		Regular	Individual
Chain Operation	Coordinator	STESA	Sponsored	Sponsored
Chandler	Hubert T.		Regular	Individual
Coggins	Peter R.	Eagle Technology, Inc.	Regular	Individual
Cope	Richard E.	Frontier Engineering, Inc.	Sponsored	Sponsored
Cornell	Leon M.		Regular	Individual
Culver	Calvin	Micrologic Inc.	Regular	Individual
Cumming	Colin J.	Frontier Engineering, Inc.	Sponsored	Sponsored
Currie	John M.	Intervav Ltd.	Regular	Individual
Daniels	Thomas	Self-employed	Regular	Individual
Davis	Ed		Regular	Individual
Davis, Jr.	James M.	Universal Navigation Corp.	Regular	Individual
DeWalt	Mike		Regular	Individual
Dillingham	Stan	METS Inc.	Sponsored	Sponsored
Dougherty	Frank	Loran-C Station AFIF	Regular	Individual
Dusenbery	Dean	II Morrow, Inc.	Regular	Individual
Dwyer, Jr.	Hon. M. Andrew		Regular	Individual
Eberts	Eugene S.		Regular	Individual
Engineer	Loran-C Project	STESA	Sponsored	Sponsored
Faffick	Carl E.	Megapulse, Inc.	Sponsored	Sponsored
Fariss	D. T.	Precision Marine Electronics	Regular	Individual
Fink	Harold H.		Regular	Individual
Fleming III	Robert F.	Vega Precision Labs	Regular	Individual
Foret	Kenneth B.	Digital Marine Electronics Corp.	Sponsored	Sponsored
Fox	Gregory A.	Department of Transportation	Regular	Individual
Fox	Travis	II Morrow Inc.	Regular	Individual
Francis	Bruce	Advanced Navigation, Inc.	Sponsored	Sponsored
Frost	Albert D.	University of New Hampshire	Regular	Individual
Gardner, Jr.	William J.	METS Inc.	Sponsored	Sponsored
Gibby	Lyle C.	II Morrow Inc.	Regular	Individual
Goddard	Robert B.	Megapulse, Inc.	Sponsored	Sponsored
Gray	Rod	METS Inc.	Sponsored	Sponsored
Green	Larry	METS Inc.	Sponsored	Sponsored
Gregory-Allen	Richard W.	SunSailer Designs Ltd.	Regular	Individual
Guimil	Javier J.		Regular	Individual
Guyvarc'h	Jean Pierre	STESA	Regular	Corporate2
Harmon	C. E.	Western CATV Dist.	Regular	Individual
Hassard	Roger W.	Vitro Corp.	Regular	Individual
Hitt III	E. Thomas		Regular	Individual
Ho	Se	METS Inc.	Sponsored	Sponsored
Hudson	Craig	II Morrow, Inc.	Regular	Individual
Hunt	Steven D.	King Marine Electronics, Inc.	Regular	Corporate2
Irwin	Barry J.	U. S. Geological Survey	Regular	Individual
Jackson	Ivan		Regular	Individual
Jensen	Arild		Regular	Individual

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# Delinquent Dues

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Jones	William E.	Advanced Navigation, Inc.	Regular	Individual
Korte	Don	King Marine Electronics, Inc.	Sponsored	Sponsored
Krablin	Art	Midcoast-Little Rock, Inc.	Regular	Individual
Kyress	Kevin	II Morrow Inc.	Regular	Individual
LaQuadra	Gregory J.	RJO Systems Engineering	Regular	Individual
Lahti	Doug	II Morrow Inc.	Regular	Individual
Lecaroz	Ed	Megapulse, Inc	Sponsored	Sponsored
Leschiutta	Sigfrido	Dipar. Di Elet. Polit. De Torino	Regular	Individual
Longaker	Harold L.	Trimble Navigation Ltd.	Regular	Individual
Lorence	Charles		Regular	Individual
Marchal	A. W.	Offshore Navigation Inc.	Regular	Individual
Marshall	Duane	Megapulse, Inc.	Sponsored	Sponsored
Matthews	Dr. Stephen D.		Regular	Individual
Mazur	Peter		Regular	Individual
McConkey	Edwin D.	Systems Control Technology	Regular	Individual
McFarlane	Bill	Southwest Air Ltd.	Regular	Individual
McGann	Edward L.	Megapulse, Inc.	Regular	Corporate1
McHarg	Bill		Regular	Individual
Mockler	Capt. Rick	DOT/Transportation Systems Center	Regular	Individual
Nawa, Gen. Mgr.	Yoshio	Japan Assoc. for Aids to Nav.	Regular	Associate
Nguyen	Dick	II Morrow Inc.	Regular	Individual
Nielson	Daniel J.	Bay Electronics	Regular	Individual
Osterlund	Carl	Markhurd Corporation	Regular	Individual
Palmer	Roger C.	Intermec	Regular	Individual
Patent	Patrick	Megapulse, Inc.	Sponsored	Sponsored
Patronski	Bruce	King Marine Electronics, Inc.	Sponsored	Sponsored
Perschy	James A.	Applied Physics Lab.	Regular	Individual
Peterson	John M.	TASC	Regular	Individual
Petit	Noel J.	R Scan Corporation	Regular	Individual
Pfarr-Weiss	Ib	Farvandsdirektoratet	Regular	Individual
Phibbs II	Dexter E.	Teledyn Hastings Raydist	Regular	Individual
Philip	David R. C.	Chartered Surveyer	Regular	Individual
Phillips	Alan H.		Regular	Individual
Pike	Robert E.	Megapulse, Inc.	Sponsored	Sponsored
Porter	Kenneth L.	USCG	Regular	Individual
Putz	Richard		Regular	Individual
Reeves	B.E.	Pan American University	Regular	Individual
Reynolds	Patrick R. J.		Regular	Individual
Ring	Gary	METS Inc.	Sponsored	Sponsored
Roberts	Joan	Frontier Engineering, Inc.	Regular	Corporate2
Robins	David	Motorola Inc.	Regular	Individual
Rottler	John C.	Northwest Instrument	Regular	Individual
Running	Gary	Canadian Coast Guard	Regular	Individual
Ruppel	Byron D.		Regular	Individual
Russell	Bart L.		Regular	Individual
Saeki	Kunio	FUSO Industries, Inc.	Regular	Individual
Savage	Paul	METS Inc.	Regular	Corporate1
Schlueter	Bernard R.	Oscilloquartz SA (OSA)	Regular	Individual
Schmid	John	METS Inc.	Sponsored	Sponsored
Schroeder	Karl R.	U. S. Coast Guard	Regular	Individual
Shafernich	Mark A.	Sanders Associates	Regular	Individual
Sharma	Sanjaya	II Morrow Inc.	Regular	Individual
Sheets	Keith	Frontier Engineering, Inc.	Sponsored	Sponsored
Shreve	Edward L.	Frontier Engineering, Inc.	Sponsored	Sponsored
Simpson	Robert W.	Professor M.I.T.	Regular	Individual
Site Manager(1)	Loran-C	STESA	Sponsored	Sponsored
Site Manager(2)	Loran-C	STESA	Sponsored	Sponsored
Smith	Jon Michael	NASA	Regular	Individual
Smoler	David	Datamarine	Regular	Individual
Sonnenfeldt	Richard W.		Regular	Individual
Spadafora	Tony	METS Inc.	Sponsored	Sponsored
Swanson	Sid	Technology Projects Ltd.	Regular	Individual
Swanson	Robert A.	University of California	Regular	Individual
Turbett	Lee	Aero Services Tri-City, Inc.	Regular	Individual
Uttam	Bahar J.	Synetics Corporation	Regular	Individual
Ver Planck	Peter	Megapulse, Inc.	Sponsored	Sponsored
Warburton	Roger	Jaycor	Regular	Individual
Warren	Ronald S.	TASC	Regular	Individual
Welter	Fred	North West Geomatics Ltd.	Regular	Individual
Wilson	Frank W.		Regular	Individual
Woods	George	King Marine Electronics, Inc.	Sponsored	Sponsored
Young	Eric	II Morrow Inc.	Regular	Individual
Zinn, Jr.	T. B.		Regular	Individual

# Director Profile, Then and Now.

## *Inevitable changes as the System Matures?*

There is no question about it, times have changed. Fifteen years ago Loran-C was getting a lot of government support and there were numerous large companies involved in Loran development and manufacture. Today Loran-C is enjoying commercial exploitation characterized by numerous small companies paying their own way. This change is reflected in the affiliation of directors as noted.

### 1975

President	Van Etten	ITT Avionics
Vice President	Fehlner	Johns Hopkins Applied Physics Laboratory
Treasurer	Roland	U.S. Coast Guard
Secretary	Beukers	Beukers Laboratories, Inc.
Directors:	Frank	Consultant (Formerly Sperry)
	Daniels	U.S. Army
	Dean	Magnavox
	Doherty	Consultant
	Durbin	Kaiser Aluminum (Formerly Teledyne)
	Haislip	U.S. Coast Guard
	Parini	Lear Siegler
	Pascuiti	EDO
	Pasquier	Amecom, Litton
	Higginbotham	U.S. Air Force

Note that out of 14 directors, 11 individuals are associated with large corporations or the government.

### 1990

President	Culbertson	Coastwatch, (U.S. Coast Guard Rtd.)
Vice President	Scull	Adroit Systems (Dept of Transportation Rtd.)
Treasurer	Andren	Racal-Decca
Secretary	Beukers	Beukers Technologies
Directors:	Alexander	Alexander Marine
	Dean	ARNAV
	Enerstad	NODECA, Norway
	Fehlner	Retired (Formerly Applied Physics Lab., Johns Hopkins University)
	Illgen	Illgen Simulation Technologies
	Johnson	Retired (Formally ITT Avionics)
	Lilley	Avionics Dept., Ohio University
	Marx	Landfall Navigation
	McGann	Megapulse
	Moroney	Transportation Systems Command
	Polhemus	Polhemus Associates
	Van Etten	Retired (Formally ITT Avionics)
	Wiener	Azure Technology

Note that the 1990 Board is composed of 8 individuals who run their own small businesses, 3 that are retired, leaving just 4 or 5 who have access to corporate or government support.

The implications of this observation should be clear. Small business owners are pretty well occupied making a buck to stay healthy. Retirees do not have corporate support in the form of departmental or office services.

The question to be resolved is: how to run the WGA given this board structure? This is a critical issue that must receive immediate board attention.

## Money Laundering

*The WGA sets up its network.*

Even after repeated requests and sometimes returning checks, we still receive foreign funds that cannot be processed without a \$10 to \$25 charge. A new form of payment is being used in Europe known as the Eurocheck. Although now common place in Europe, it has not hit our shores and cannot be redeemed at a U.S. bank. So we have taken a couple of alternate routes. Gerard Lachapelle has agreed to deposit Canadian checks in his account in Canada and to remit the WGA funds in a like amount that can be processed through a U.S. bank without charge. To handle the Eurochecks in Europe, we sent our daughter off to Germany with these blue pieces of paper for deposit in her account, having paid us the full face value.

Hopefully this laundering process will become unnecessary once we get established with a Merchant's Visa account. (See VISA Application).

So far this year our bank charges have been minimal.

## Certificates of Membership - Are They Really Needed?

It is the custom to create and mail to all new members a certificate of membership. With the increase in new members and the substantial turnover, the preparation and mailing of these certificates is a substantial task. The Directors may recall that these certificates initially were used to indicate that a member, because of his contribution to Loran, had been admitted to the Association. This wording was recently changed because many new members have made no contribution but are just interested.

In view of the fact that we are now sending out membership cards, one could question the need for retaining this tradition of the membership certificate. What do the Directors think?

The Secretary is in favor of abolishing the certificates to free up time for more productive work.

## The Position Of Secretary Will Need To Be Filled.

Director John Beukers' three-year term as Director expires in 1990. He has agreed to serve on the Board again for a further three year term, if elected, and is willing to continue serving as Secretary, if so appointed. The time serving as Secretary will be short lived however, since a move to England in the spring or early summer of 1991 is being contemplated.

In view of the substantial amount of administrative progress that has been made, it would be disappointing to see these achievements lost. It would be advantageous if an alternate would step forward so that there can be a transition period that would permit information to be transferred over a period of time (Overlap and Phase Out!). The Secretary has organized the administration of the WGA in such a manner that it can be turned over to continue the expansion at a central location or drop back to the old way of doing things using director/volunteer help. It is highly recommended that the WGA budget to purchase a computer system and ancillary equipment that can run the WGA with the programs that have been created.

Directors are urged to consider the matter of the Secretary's position in earnest and with due haste.

The minimum facility for performing this task consists of two standard stationery cabinets for office and shipping supplies, two five drawer file cabinets for the Associations files, three 7ft/7 shelf by 3ft wide shelves for the Proceedings and Journal inventory, a copy machine, a fax machine, and a computer work station. The computer should be a 386 MS-DOS machine with 4MBytes RAM, a 60Mbyte hard disk with a single high density 5 1/4 floppy disk drive. Peripherals should include a 2400/1200 baud modem, a standard and a wide carriage dot matrix, tractor fed printer and a laser printer. A working knowledge of the dBase language would be an added bonus. A normal office environment can be assumed.

Any director who happens to visit Long Island is more than welcome to see and assess the current Secretary's facility and operation.

## WGA Outstanding Invoices

The following is a list of outstanding invoices as of April 1st. The WGA normal terms are "payment upon receipt of invoice." The majority of invoices are paid promptly.

Date	Inv.#	To Whom Sent	Amount
900119	63	David Wooldridge, Jr., Motorola, 89 Convention	280.00
900209	66	Richard Wallett, TRANSYN, Video	19.00
900209	68	Edward Phillips, California Microwave, Video	19.00
900209	69	Roy Fort, DEL NORTE, Video	18.50
900209	74	Bahar Uttam, Video	17.50
900212	77	John Illgen, 2 videos	36.00
900212	83	Dave Amos, Synetics, 2 videos	33.00
900214	85	Nick Rushing, Daytor Systems, WGA Bibliography	12.50
900214	88	Curran Associates, Book Dealers, (2) 89 Proceedings	93.50
900214	100	Thomas Donaher, Spectracom Corp., 89 Proceedings	32.00
900219	105	Dave Amos, Synetics, Navigator's Video	40.00
900221	109	USCG, Romulus, NY, 2 videos	59.00
900222	110	Sandia Nat'l. Labs, Assoc. Membership 90	42.00
900224	111	Hakhen Agencies, Israel, 90 membership & 89 Proceedings	70.00
900227	119	Swets & Zeitlinger, for British Library, 90 Assoc. Membership	52.00
900209	121	USCG, Groton, CT., Corp Class 2, 1990	150.00
900320	126	USCG Activities Europe, 87, 88 & 89 Proceedings	90.00
900320	127	Albrecht Grimm, Germany, 2 videos	42.00
900320	128	Charles Armiger, Trimble Navigation, 100 videos	1042.00
900321	129	H. E. Dempsey, Canada, Navigator's video	41.50
900321	131	USCG, Malone, FL, 3 videos	72.50

### Loran-C Postage Stamp.

The Secretary has followed up on the suggestion for a U.S. postage stamp to commemorate the completion of the U.S. continental coverage of Loran-C. A conversation with Keith Lagner at the American Philatelic Society was not too encouraging. The U.S. Postal Service currently receives twenty thousand requests per year and are currently working on the 1992 program. There is a citizen stamp advisory committee associated with the U.S. postal service that meets four times a year to consider these requests. In general the requests that are approved are those of a commemorative nature in terms of anniversaries (Centennial, bicentennial, etc.). The Secretary now has an action item to send a request to the Citizens' stamp advisory committee c/o the Stamp Department branch of the U.S. Postal Service, Washington, DC. If any director has some thoughts or wishes to contribute to the generation of this letter, please contact the Secretary.

### Beukers Receives IEEE Region 1 Award

by Marilyn Beukers

*(Author's note: JB was reluctant to mention this award in the Newsletter, but I thought it would be of interest to the Directors since it is in recognition of loran-related work.)*

On Sunday afternoon, April 22nd, John Beukers will receive an IEEE (Institute of Electrical and Electronics Engineers) Region 1 (north eastern U.S.) award for his work over the past twenty years with long-range radio navigation aids, and, in particular retransmission of Loran-C and Omega for remote positioning and tracking. The award cites the contribution to world meteorology by way of atmospheric soundings using remote probes (radiosondes). This award will be given at a ceremony conducted by the Long Island Section of the IEEE at the Carlin Hotel, 585 Broad Hollow Road, Route 110, Melville, New York.



## News Briefs

### *Sailing To Bermuda?*

Keeping his word, Capt. Christian Andreason, Chief of the Nautical Charting Division, National Ocean Survey, has released Loran-C plotting chart #5161. A copy of the chart was sent to the Secretary by Jeffrey Stuart, NOS cartographer. No doubt these charts will be available from Landfall Navigation and other distributors of marine charts. Thanks, Henry Marx and others for stimulating this action.

### *Brusin Supplies System Characterization.*

The WGA library is richer by an original copy of the WGA document 1/1976 entitled "Loran-C System Characterization" This was a prelude to the Coast Guard System Specification which is also in the library. We have to thank Gene Brusin of Megapulse for this.

### *GPS Civilian User Conference Attended by Ed McGann.*

Ed notes that a good deal of time was spent at the GPS conference discussing the service to provide GPS status. He suggested that in view of the fact that there were far more users of loran, a service to these users should also be addressed. Ed would like to see the WGA take up this issue.

### *IALA Reports.*

So far there has been only one request for these informative Conference reports, IALA member activities, and IALA policies and recommendations.

### *FAA Report Received.*

A copy of the Final Report of the "FAA Loran Early Implementation Project" was sent in by Frank McKenzie of TSC and is now on file.

### *CASI/CNS 8th Symposium on Navigation..*

Following the May 1990 CASI/CNS Symposium in Toronto, Navtech Seminars is running two days of Navigation

tutorials. Course 111, on Thursday May 17, is "Loran-C for Multipurpose Navigation in North America" with WGA member instructors Per Enge and Gerard Lachappelle. Loran-C/GPS interoperability is one topic.

### *Navtech Seminars To Run WGA Announcement.*

In their next brochure/newsletter, Navtech Seminars will run the announcement of the WGA's next Convention. This brochure goes to 35,000 names in the field of navigation. Thanks to Carolyn McDonald, a new WGA member.

### *WGA 1989 Convention Proceedings.*

We have received quite a number of complimentary comments on the 1989 Proceedings. Convention Chairmen take note and thanks for a professional product.

### *Minutes of the 125th IOA Board.*

The Secretary received a copy of the Minutes of the 125th Board meeting of the International Omega Association. Anyone interested in seeing these please contact the Secretary.

### *Conversion of Decca Coordinates to Loran-C TD's.*

Europe is concerned about the cost of converting Decca Coordinates to Loran-C TD's, (Journal of the Nautical Institute). If the decision is favorable for loran in Europe, the Loran-A to C experience in the States might be helpful.

Please direct all your comments and answers to requests in this Newsletter to:

**John Beukers**  
**Beukers Technologies, Inc.**  
**Flowerfield, Building #7**  
**St. James, NY 11780**

**Phone 516-862-7500**  
**Fax 516-862-7403**  
**Modem 516-862-7576**

## CD ROM on Line.

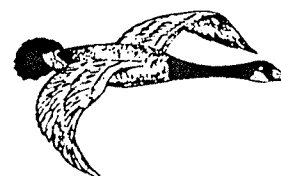
Directors should be aware that we (Beukers Promotions) subscribe to Ulrich International Listing of Periodicals on CD ROM. This is on-line in the office and is updated quarterly. It is very simple to create lists of periodicals in any discipline and to output these directly to mailing labels or to print the names and addresses directly onto news releases. What is not so simple is the selection process to determine which periodicals to include in a press release mailing. We are seeking volunteers to peruse lists in the surface transportation (trucking), emergency services, police etc. We will gladly supply lists to anyone who can help in this endeavor.

## Directors' Newsletter

The Directors' Newsletter is issued on the first of the month except the month following the month in which a Board meeting is held. The closing date for material to be included is the 26th day of the preceding month.

Closing Date Issue Date

Closing Date	Issue Date
1990	
January	Board Meeting
February 26	March 1
March 26	April 1
April	Board Meeting
May 26	June 1
June 26	July 1
July	Board Meeting
August 26	September 1
September 26	October 1
October	Board Meeting
November 26	December 1
December 26	January 1 (91)



## Executive Committee:

### General Chairman

James Alexander  
Alexander Marine Transportation  
3262 Tigertail Drive  
Los Alamitos, CA 90720  
(213) 431-0244

### Technical Symposium Chairman

Robert Miller  
II Morrow, Inc.  
P.O. Box 13549  
Salem, OR 97309  
(503) 581-8101 Fax 503-581-7205

### Technical Symposium Co-Chairman

Larry Cortland  
II Morrow, Inc.  
P.O. Box 13549  
Salem, OR 97309  
(503) 581-8101 Fax 503-364-2138

### Registrations

Convention Planning Co.  
265 Haverfield  
Newport Beach, CA 92660  
(714) 759-6866

### Exhibits

Drew Satariano  
West Marine Products  
251 Marina Drive  
Long Beach, CA 90803  
(213) 598-9408

### Hospitality

Mark Morgenthaler  
Trimble Navigation  
585 North Mary Avenue  
Sunnyvale, CA 94088-3642  
(408) 730-2900 Fax (408) 730-2082

### Publicity

John Beukers  
Beukers Technologies, Inc.  
Flowerfield Building 7  
St. James, NY 11780  
(516) 862-7500 Fax (516) 862-7403

## The Wild Goose Association

The Wild Goose Association is a professional organization of individuals and organizations having an interest in loran radionavigation and who wish to foster and preserve the art of loran. It is named after the majestic bird that navigates thousands of miles with unerring accuracy. Its membership represents many interests including those of planners, promoters, designers, and users of loran equipment throughout the world.

### SYMPOSIUM TOPICS AND CHAIRMEN

<i>Morning</i>	<i>Afternoon</i>
<b>Tuesday, October 23</b>	
<b>Session 1</b>	<b>Session 2</b>
<b>Worldwide Loran Activities</b> CDR G.T. Gunther U.S. Coast Guard (202) 267-0283	<b>Navigation Sciences</b> Elijah "Zeke" Jackson NAVCOM Systems, Inc. (703) 361-0535
<b>Wednesday, October 24</b>	
<b>Session 3</b>	<b>• SPECIAL SESSION •</b>
<b>Loran Integration and Applications</b> Maurice "Mike" Moroney Transportation Systems Center (617) 494-2026	<b>Loran-C Awareness Seminars</b> Information for Loran Users  <b>• OPEN TO THE PUBLIC •</b>
<b>Thursday, October 25</b>	
<b>Session 4</b>	<b>Session 5</b>
<b>Loran and GPS Interoperability</b> John Castonia Illgen Simulation Technologies, Inc. (805) 563-0665	<b>Loran Technologies</b> Walter N. Dean ARNAV Systems, Inc. (503) 684-1600