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**THE WILD GOOSE ASSOCIATION**  
 Post Office Box 556  
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 45 Foreign

**THE GOOSE GAZETTE**

Fall 1987

Bob Miller, Editor 3751 Bayonne Drive SE Salem, Oregon 97301	(503)370-4490	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>FOREWORD</b>	Editor
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Our attention is called to the new address for The Goose Gazette. It was agreed to reinstitute the former name for the WGA newsletter during one of the Board meetings at the 1987 Convention. You may anticipate a gradual change in the format as well.

<b>PRESIDENT'S MESSAGE</b>	John D. Illgen
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The 1987 Convention held in Washington, DC resulted in the completion of another excellent year for Walt Dean (Immediate Past President) and the WGA Board of Directors. Again, Walt, we thank you for your dedication to Loran-C and the WGA. This year included two Board Meetings at the Washington, DC National Convention. Walt Dean and I coordinated on these meetings that focused on completing last year's business, defined overlap of committees and associated responsibilities and placed into motion our plans for 1987-1988. The organization chart included in this issue provides lines of responsibility for overall operation of the WGA and its committees. I encourage each WGA member to contact WGA Board Members and volunteer to serve on one or more of the committees.

This year the Executive Committee continues to be very active, and Jim Culbertson, Leo Fehlner, Carl Andren and I are handling WGA business on a weekly basis. Immediate attention by the Executive Committee included the need to increase the dues. This was driven by the ever increasing costs of publishing and distributing the Newsletter and Convention Proceedings. The initiative was unanimously passed by the Board of Directors.

John and Marilyn Beukers, Jim Culbertson, Bob Miller and Mike Moroney are working on a plan for achieving more publicity and the prospects of improving our financial position through the sale of advertising space in the Goose Gazette. It is felt that substantial funds might be derived to further support WGA's extensive promotional efforts on Loran's behalf. This project is very exciting and a plan with recommendations to the Board of Directors is anticipated for the January Board Meeting to be held in conjunction with the ION symposium in Santa Barbara, California.



Also in the area of publicity, WGA Membership Applications will be provided to Loran-C equipment manufacturers. I will be recommending to manufacturers that an application be included with each product sold. This permits the user community to take advantage of the WGA information base include Newsletters, Proceedings, Symposia and Conventions, as well as interaction with Loran experts.

Calvin Culver and John Hopkins briefed the DoD POSNAV Working Group in October. The Committee seemed very interested in the need to foster a "mix of navigation systems" to maintain survivable/redundant navigation and timing systems so vital to our National Defense. Calvin and John are providing a great deal of support to our WGA DoD Working Group endeavors. I plan follow-up briefing to the Pentagon-based DoD POSNAV Working Group in January 1988.

Strides continue to be made in our civilian sector. Unfortunately, the NASAO meeting this month was postponed. I do plan to attend the NASAO when it is rescheduled. Bill Schorr and Larry Cortland are planning the WGA Civilian Working Group Objectives for 1988.

Bob Bronson is very actively preparing for the 1988 Convention. Bob Miller is the Chairman of the Technical Symposium. Convention planning data has been sent to Bob Bronson by Jim Culberts and myself. Jim wrote an excellent memo on planning. The historical files containing all the original correspondence, budgeting documentation and other data from the 1985 Convention Santa Barbara and the 1987 Washington Convention have been forwarded to Bob Bronson.

Finally, I would like to invite members to contact me on the WGA Hotline at anytime to discuss navigation issues and the WGA. If you have ideas where we can improve, take advantage of all the targets of opportunity to improve our Loran-C position or, better yet, to volunteer for a committee or desire to start a new one, call me at (805)968-5674.

I thank you all for your support and wish each of you a Very Happy Holiday and Successful New Year.

<b>NEW DUES RATES</b>	<b>Editor</b>
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Due to inflation, the WGA Board of Directors has created a new dues structure. While it is anticipated that each member will receive or has received the official announcement of the new structure, it appears that the following will be applicable:

Regular Membership	\$20.00	Corporate Class 1	\$300.00
Associate Membership	\$42.00	Corporate Class 2	\$150.00
Life Membership	\$200.00	Overseas Membership Surcharge	\$10.00

<b>TREASURER'S REPORT</b>	<b>Carl Andren</b>
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BALANCE from 14 July 1987			\$ 8,699.46
<u>RECEIPTS</u>		<u>EXPENDITURES</u>	
Dues	430.00	Treasurer's Expense	25.00
Proceedings/Journals	325.00	Secretary's Expense	358.84
Journal '86 Ads	975.00	Vice President's Expense	33.77
Convention '86 Refunds	3400.00	Stationery Expense	191.26
		Newsletter Expense	1050.98
		Convention '88 Advance	500.00
	TOTAL	TOTAL	\$2159.85
	\$5138.00		\$11,677.61
	(Accounts Payable 1986 Proceedings	\$11,654.62)	
	(Accounts Receivable 1986 Journal Ads	\$ 3,710.62)	
	BALANCE as of 19 October 1987		\$11,677.61



the Federal Radionavigation Plan dictate the recovery costs using "existing mechanisms" and since the large majority of the "existing mechanisms" are those which are imposed on the aviation community, it would appear that RTCA is advocating a situation which will result in increased fees being paid by the community RTCA represents for a system which has not been shown provide significant additional benefits."

"- No consideration has been evidenced in your recommendation of the fact that GPS cannot be designated as an official system by international organizations such as IMO, ICAO and IALA since their by-laws currently preclude the recognition as an official international system any system that is operated by one country and particularly the military of that country."

**A VISION WORTH PUBLICATION** Editor

In her paper, "Alternatives for Producing Airborne Obstruction Charts and Other Products," Georgia K. Brown of SRI International opened with the following:

"Whatever the mind of man can conceive and believe, it can achieve. If this maxim can be applied to Loran-C, then it would seem that we are approaching the zenith. For it's not an itch that can be scratched away, or a daydream to be ignored. It is very real, and has so much to offer that it will someday dominate all of Radio Navigation."

**1988 WGA ANNUAL CONVENTION** Bob Bronson

The Seventeenth Annual Convention and Technical Symposium is scheduled for October 25-27, 1988 in Portland, Oregon. As in 1987, these dates span midweek days of Tuesday-Thursday. The specific site is the Portland Hilton. Advanced planning is currently underway with both the General Chairman, Bob Bronson, and the Technical Chairman, Bob Miller, co-located in Salem, Oregon.

-----**EARLY CALL FOR 1988 SUPPORT**-----

Volunteers to serve as Session Chairperson for the Technical Symposium are respectfully requested. A total in the range of 4-6 individuals is sought. Please write or call Bob Miller and provide a general area of interest for a session you are willing to chair. This advanced request also pertains to authors of technical papers. We already have some early submissions, but to enhance the planning aspects, anyone who is planning to present a paper is requested to write or call Bob Miller and provide preliminary data on your paper. These elements of information will greatly contribute to ensuring a successful event in 1988, so please take action to respond. Ideally, we will have more papers to present than time allows. Under such circumstances a selection process will evolve; however, it is planned to publish all material submitted in the Proceedings with a special section for those not appearing on the agenda. This situation also lends to availability of substitutes to fill gaps created by late withdrawals.

Please lend your support to the 1988 Convention committee and respond to this early call. You will find the information necessary to contact Bob Miller on Page 1.

**EAA SUPPORT SOLICITED** Editor

The Editor of EAA (Experimental Aircraft Association) Chapter 10's Newsletter, Al Hollaway, came across The Goose Gazette in a client's office and would be very happy to receive short articles regarding Loran and air navigation. In addition, if any member would care to contribute library materials to the chapter library, they would be happy to accept them. Send your materials to: Al Hollaway, Editor, E.A.A. Chapter 10 Newsletter, 1922 S. 141 E. Ave., Tulsa, OK 74108-5524.

**NOTABLE GOOSE WINTERING SOUTH** Barney Ambroseno

Lloyd Higginbotham, one of the Founders and the First President of the WGA, is heeding the call of the wild goose and will be heading south to North Carolina. Lloyd and his wife Evelyn will be wintering at 28 Harbour Walk, New Bern, NC, 28560 (9-9-637-4282).

<b>1987 WGA ANNUAL AWARDS</b>	Bob Frank
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Wild Goose Association 1987 annual awards were presented at the Sixteenth Annual Convention held in Rockville, Maryland. The 1987 Awards Committee was composed of Robert L. Frank, Chairman, Vernon Johnson, and Alfred P. Manning.

**Medal of Merit** Dr. Paul R. Johannessen, President of Megapulse, Inc., Bedford, MA for extensive contributions to Loran, including the development of high and low power solid state semiconductor/saturable reactor transmitters and for the organization of a company to manufacture and market them.

**President's Award** To Paul E. Burket, Administrator, Oregon Aeronautics Division and Chairman, National Association of State Aviation Organizations and to John S. Kern, Deputy Associate Administrator for Aviation Standards, Federal Aviation Administration, Washington, DC for establishment and support of the FAA/NASAO Task Force which has been responsible for implementation of numerous Loran-C non-precision approaches.

**Best Loran Paper** To Robert B. Goddard and Frona B. Vicksell, Megapulse, Inc., Bedford, MA for: "Implementation and Performance of the TOT (Time of Transmission) Controlled French Loran Chain" published in the WGA Proceedings of the Fifteenth Annual Technical Symposium, 1986.

**Service Awards** Walter N. Dean, ARNAV, Inc., Portland, OR for service as WGA President, October 1985 - October 1987.

William Marchal, Offshore Navigation Inc., New Orleans, LA for Chairman of the 1986 WGA Technical Symposium.

Frances W. Mooney, Mitre Corp., Cambridge, MA for Chairman of the 1986 WGA Technical Symposium.

<b>RUSSIAN LORAN NETWORK DATA</b>	Editor
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Station		Coordinates	Delays	Power	Station		Coordinates	Delays	Power
			$\mu\text{S}$	KW				$\mu\text{S}$	KW
<b>CHAYKA EUROPEAN NETWORK <math>T_p = 80,000 \mu\text{S}</math></b>					<b>CHAYKA EASTERN ASIAN NETWORK <math>T_p = 79,500 \mu\text{S}</math></b>				
BRYANSK	Mstr.	53 07 50.6N		650	ALEKSANDROVSK-	Mstr.	51 04 42.8N		700
		34 54 44.8E			SAKHALINSKIY		142 42 04.9E		
PETROZAVODSK	BM1	61 45 32.4N	10000	700	PETROPAVLOVSK-	BM1	53 07 47.5N	11000	700
		33 41 40.4E	13217.21		KAMCHATSKIY		157 41 42.9E	14508.1	
SLONIM	BM2	53 07 55.2N	25000	450	USSURIYSK	BM2	44 31 59.7N	30000	700
		25 23 46.0E	27125.00				131 38 23.4E	33678.0	
SIMFEROPOL	BM3	44 53 20.6N	50000	550	KURILSK	BM3	45 12 45.7N	46000	6
		33 52 32.1E	53070.25				147 51 37.1E	48527.4	
SYZRAN	BM4	53 17 17.6N	65000	700	OKHOTSK	BM4	59 25 02.0N	61000	6
		48 06 53.4E	67941.60				143 05 22.9E	64101.5	

There are differences in the operational characteristics of the Soviet networks compared to the U.S. Coast Guard system. It is expected that additional information from the Soviets will allow a further understanding of these differences.

<b>19th ANNUAL PTTI MEETING</b>	Editor
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The Precision Timing and Time Interval (PTTI) Applications and Planning Group meetings were held in Redondo Beach, CA in early December. The attendance established a new record for PTTI. Of interest was the international representation and presentations. Loran papers were scheduled from China, Saudi Arabia, and the U.S., but the U.S. and China papers were cancelled.

Yaa Samuel of the National Institute for Standards in Cairo, Egypt presented the results of linking the Saudi Arabia Loran chains to the 7990 Mediterranean chain for precise time and frequency comparisons with the USNO at Washington, DC and BIH at Paris.

**MEETINGS OF INTEREST**

Editor

**INSTITUTE OF NAVIGATION**

Red Lion Inn, Santa Barbara, CA, 26-28 January 1988

1988 National Technical Meeting

"Autonomous Navigation Application of Artificial Intelligence Technology"

Contact: Kathy Hammond (202)783-4121

**INTERNATIONAL ASSOCIATION OF INSTITUTES OF NAVIGATION**

University of New South Wales, Sidney, 2-5 February 1988

"Navigation Development and Technique Toward the 21st Century"

Contact: The Australian Institute of Navigation, GPS Box 2250, Sidney, N.S.W., Australia 2001

**42nd ANNUAL FREQUENCY CONTROL SYMPOSIUM**

Baltimore, MD, 1-3 June 1988

Contact: T.R. Meeker, 2956 Lindberg Ave., Allentown, PA 18103

**WILD GOOSE ASSOCIATION**Portland Hilton, Portland, Oregon, 25-27 October 1988

17th Annual Convention and Technical Symposium

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

**HYDROGRAPHIC SOCIETY**

RAI Congress Center, Amsterdam, 15-17 November 1988

HYDRO 88

Contact: Mr. David Goodfellow, 23 Derby Avenue, London N12 8DD

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**ORGANIZATION CHART  
THE WILD GOOSE ASSOCIATION**

**PRESIDENT  
J.D. ILLGEN**

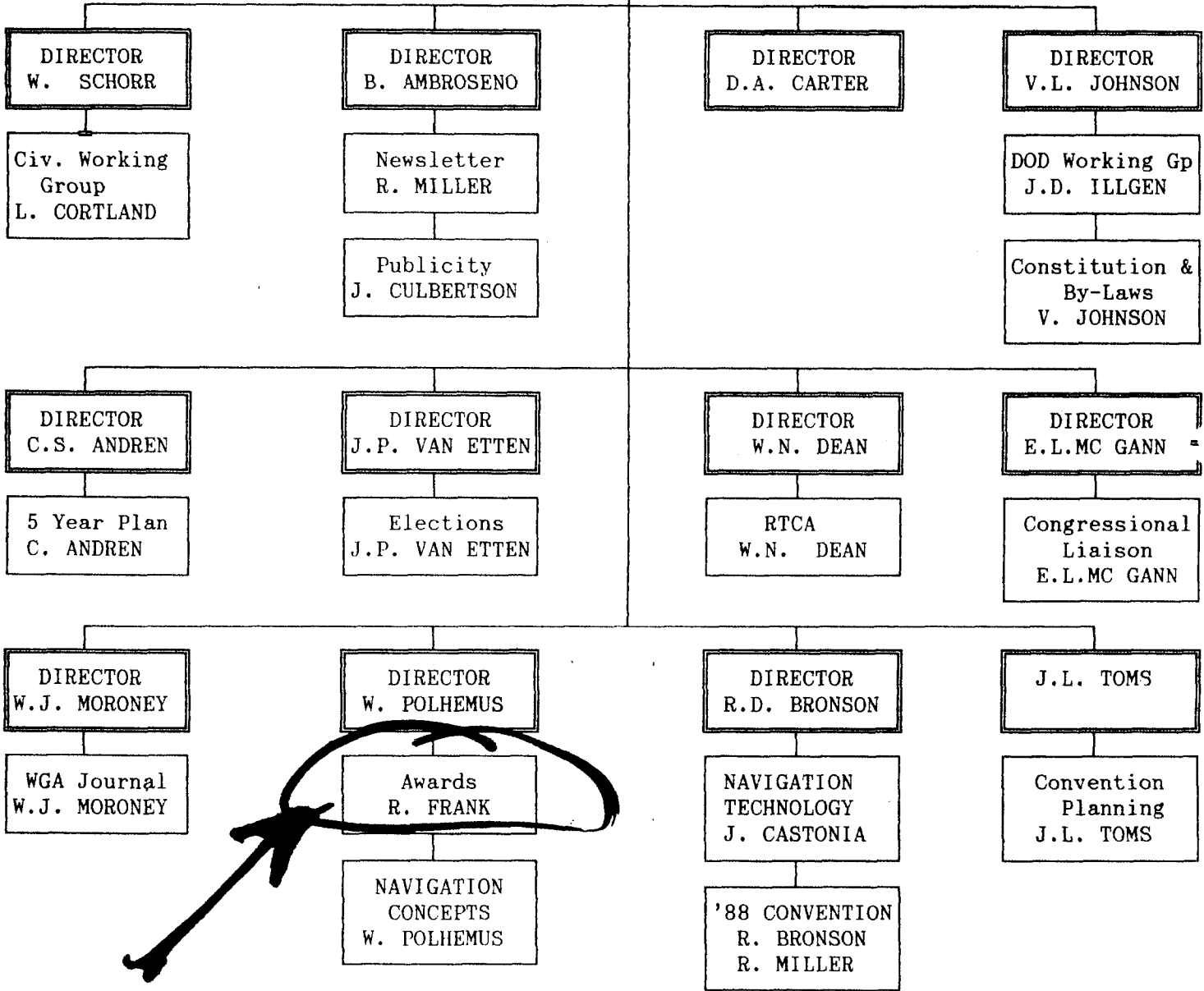
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