

# **The International Loran Association Web Page: Time to Update our On-Line Presence**

**Prepared for  
International Loran Association, ILA-30  
Paris, France  
October, 2001**

Presented by  
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Vice-President, Operations  
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**<http://www.loran.org>**

- **An unsponsored web page -- a volunteer effort**
- **Web Page initiated approximately 1995, with the cooperation of Ohio University Avionics Engineering Center**
- **Continues today with cooperation of Illgen Simulation Technologies**
- **War stories - use of the page by others**
  - **FAA contractor comments**
  - **Daily inquiries of Ops Center**



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## International Loran Association (the ILA)

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The International Loran Association maintains modern communications facilities so that members and friends may exchange information with our Operations Center, obtain answers to inquiries concerning positioning, navigation and timing subjects involving Loran-C and other systems. While electronic mail is becoming more prevalent, we maintain facsimile and voice telephone services also. For that matter, we even check the U. S. Mail once in a while!

If you use the voice telephone, you will often encounter an answering machine. Please leave a message and we will, of course, return your call as soon as we can.

Please do not hesitate to contact your Association on any matter of interest to you.

Our Operations Center is located in Santa Barbara, California. That's where we process membership and renewals, maintain the ILA library of proceedings and other literature, and do all the other administrative tasks. Give us a call and stop in if you are in the area!

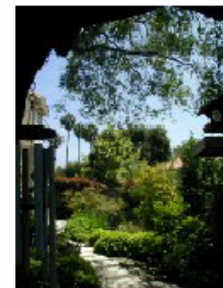
ILA Operations Center

741 Cathedral Pointe Ln

Santa Barbara, CA 93111

**Telephone: +1.805.967.8649 -- Facsimile: +1.805.967.8471**

**electronic mail: [ila@loran.org](mailto:ila@loran.org)**



ILA web pages are maintained by

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This page will grow with time, as information is added from such publications as the "Facts you Should Know" booklet, and the Radionavigation Journal formerly published by ILA. Material will be posted as it becomes available.

[ILA Constitution and By-Laws](#)

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[ILA Board and Officers - History](#)

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Updated 08/01/01

## International Loran Association

### Board of Directors and Committee Chairs, 2001

(Board members' terms end at the close of the ILA convention in the year shown.)  
(Committee chairs have no specified term of office.)


|  |   |   |
|--|---|---|
| <b>Beukers, John M. (Summer)</b><br>East Ridge<br>Longborough, nr.<br>Moreton-in-Marsh<br>Glos. GL55 0DX<br>ENGLAND<br>Work Phone: 44 1451-8<br>Home Phone: 44 1451-8<br>Fax: 44 1451-870222<br>Term ends 2002 -- Pres<br>Chair, Journal Committee<br><a href="mailto:jib@uu.net">jib@uu.net</a> | <b>Beukers, John M. (Winter)</b><br>Beukers Technologies<br>5080-106 Harmony Circle<br>Vero Beach FL 32907<br>USA<br>Work Phone: 561-563-0627 | <b>Bond, Langhorne</b><br>1066 Fearington Post<br>Pittsboro NC 27312<br>USA<br>Work Phone: 919-542-6614<br>Home Phone: 919-542-6614 |
|--|---|---|

**Brown, Ms. Marg**  
 5217 Fiji Lane  
 Alameda CA 94502-20  
 USA  
 Work Phone: 510-523  
 Home Phone: 510-523  
 Fax:  
 Term ends 2001  
[MJBHJB@AOL.CO](mailto:MJBHJB@AOL.CO)

**Frost, Albert D.**  
 University of New Ham  
 Antenna Sys. Labs, Kir  
 Durham NH 03824

## International Loran Association - Medal of Merit Recipients

|      |                                |      |  |
|------|--------------------------------|------|--|
| 1976 | Gen. John D. LaVelle, USAF     | 1991 | Jesse Pipkin                           |
| 1977 | Robert L. Frank                | 1992 | Norman Matthews                        |
| 1978 | Lloyd D. Higginbotham          | 1993 | James F. Culbertson                    |
|      | Vernon L. Johnson              |      | Leo F. Fehlner                         |
| 1979 | Capt. Loren E. Brunner, USCG   | 1994 | Edward L. McGann                       |
| 1980 | Walter N. Dean                 |      | William F. Roland                      |
| 1981 | James P. Van Etten             | 1995 | Robert W. Lilley                       |
| 1982 | J. Ralph Johler                | 1996 | Durk van Willigen                      |
| 1983 | R. Michael Eaton               | 1997 | David Last                             |
| 1984 | John M. Beukers                | 1998 | G. Linn Roth                           |
| 1985 | James I. Meranda               | 1999 | Langhorne Bond                         |
| 1986 | RAAdm. Alfred P. Manning, USCG | 2000 | Terje H. Jørgensen                     |
| 1987 | Paul R. Johannessen            |      | Capt. Benjamin B. Peterson, USCG (Ret) |
| 1988 | William L. Polhemus            |      |  |
| 1989 | Maurice J. Moroney             |      |  |
|      | George H. Quinn                |      |  |



## International Loran Association

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### STATEMENT OF RADIONAVIGATION POLICY

(AMENDED 4/2001)

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The International Loran Association (ILA) consists of organizations and individuals who advocate the continued implementation and use of the LORAN radio Navigation system Loran-C<sup>1</sup> throughout the world.

Since its inception in 1972 as the Wild Goose Association, (renamed the International Loran Association in 1994) the Association has followed the charter that states:

*"The International Loran Association was formed to provide an organization for individuals who have a common interest in Loran and who wish to foster and preserve the art of Loran, to promote the exchange of ideas and information in the field of Loran, to recognize the advances and contributions to Loran, to document the history of Loran, and to commemorate fittingly the memory of its members."*

As a stand-alone system, Loran has served the international radionavigation community for more than half a century, first as Loran-A and subsequently as Loran-C. Other Loran systems such as the military Loran-D and commercial versions, Pulse8 and AccuNav<sup>2</sup>, have been effective in serving local communities throughout the world.

In accordance with its charter, the ILA encourages the ongoing development and use of Loran by providing a forum at its annual Convention and Technical Symposium for the interchange of ideas and discussion of technical and administrative matters.

More recently, the ILA has identified the complementary and supportive use of Loran-C and associated data communications technologies as necessary and critical components of the future mix of radionavigation and precise time distribution systems. The ILA's focus has thus broadened to address integrated systems that employ Loran-C in a mix of satellite and terrestrial technologies, recognizing the benefits that accrue when these systems are used in concert.


The ILA also recognizes the pervasive use of satellite technology for positioning and precise time distribution, and is totally supportive of satellite-based systems when they are employed within their technical and operational limitations and in conjunction with complementary terrestrial systems. The Association strongly advocates the concept of diverse and dissimilar systems for critical applications that involve safety of life or protection of national

**Meetings Index - Netscape**


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The International Loran Association holds a Convention and Technical Symposium each year, as a forum for members, colleagues and guests to exchange information and maintain acquaintances and friendships. The meeting offers a high-quality program of technical and policy sessions dealing with Loran-C and its place in the "system of systems" which serves positioning, timing and navigational needs around the world. Proceedings are available for all ILA annual meetings, from the ILA's formation in 1972 to the present. Contact the [Operations Center](#) to purchase these documents or CDs.

At many of the meetings a resolution, a summary report and/or a press release are produced. When available, those documents are posted on this site.



Paper-only proceedings are available for all years up to 2000; CD only starting with 1999. Years shown as links will take you to specific meeting information.

|                   |                |                     |                                     |   |   |
|-------------------|----------------|---------------------|-------------------------------------|---|---|
| 1972              | 1973           | 1974                | 1975                                | 1976  | 1977  |
| 1978              | 1979           | 1980                | 1981                                | 1982  | 1983  |
| 1984              | 1985           | 1986                | 1987                                | 1988  | 1989  |
| 1990              | 1991           | 1992                | 1993                                | 1994  | 1995  |
| 1996<br>San Diego | 1997<br>Ottawa | 1998<br>Danvers, MA | <a href="#">1999</a> (cd)<br>London | 2000 (cd)<br>Washington<br><a href="#">Program</a><br><a href="#">Details</a> | <a href="#">2001</a><br>St Germain<br><a href="#">En Lave</a> |

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International Loran Association Meeting 2001 - Netscape


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**ILA's 30th Convention and Technical Symposium!**

St Germain-en-Laye, near Paris, from October 7-10 2001.



[Pictures](#)

Also please visit the official St Germain-en-Laye site at

<http://www.ville-st-germain-en-laye.fr/english/indexe.htm>

It's also available in French at this address.

|                                    |                                  |  |
|------------------------------------|----------------------------------|--|
| <a href="#">ILA-30 Information</a> | --                               | <a href="#">Travel Information</a>         |
| <a href="#">Call for Abstracts</a> | <a href="#">Fax Registration</a> | <a href="#">Secure OnLine Registration</a> |

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ILA-30 Secure On-Line Registration Form - Netscape

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**ILA-30  
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**Registration Form**  
**International Loran Association**  
**30th Annual Convention and Technical Symposium**  
**"Provision and Use of Loran-C and Chayka Services"**

October 7-10, 2001 / St. Germain-En-Laye / (Paris) France

This form is processed using a secure server to protect credit card and personal information.  
Please visit the Meeting 2001 Call for Abstracts on [www.loran.org](http://www.loran.org) for hotel information.

|                      |  |
|----------------------|--|
| Title (Mr. Ms., Dr.) | <input type="text"/>   |
| Name                 | <input type="text"/>   |
| ILA Member?          | <input type="checkbox"/> No <input type="checkbox"/> Yes, I am a paid-up member. Member Number: <input type="text"/> |
| E-mail address       | <input type="text"/>   |
| Affiliation          | <input type="text"/>   |
| Mailing Address      | <input type="text"/>   |
| City:                | <input type="text"/>   |
| State or Province    | <input type="text"/>   |
| Postal Code / ZIP    | <input type="text"/>   |
| COUNTRY              | <input type="text"/>   |

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### You are cordially invited...

*Any individual or organization with an interest in positioning, navigation or precision timing is eligible.*

*There are several classes of membership:*

#### Individual

Annual membership is \$50.00, with an initiation fee of \$20.00 for the first year. Life membership is \$300.00.

#### Organizational

Corporate class 1 and 2 memberships provide for organizations to be involved directly in ILA activities.

[Class 1 permits nomination of ten regular members from the corporate member; Class 2 permits five.]

Dues for class 1 are \$500.00. For Class 2, dues are \$250.

Associate membership is provided for organizations which desire only to receive ILA publications. Associate membership is \$150.00 per year. Associate membership does not carry the privilege of voting or holding ILA office.

*Payments for all ILA matters may be by a check (drawn on a U. S. bank), Visa, or Mastercard. Wire transfers are also available, but contact the [ILA Operations Center](#) first, to coordinate the transfer.*

**Print this form, fill out the information and fax to 805-967-8471**

### Application for Individual Membership

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

Home Phone: \_\_\_\_\_

Business Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Fax: \_\_\_\_\_

### International Loran Association

c/o Ellen G. Lilley, Operations Director  
 741 Cathedral Pointe Lane  
 Santa Barbara, CA 93111  
 e-mail: [ila@loran.org](mailto:ila@loran.org)  
 tel 805-967-8649 / fax 805-967-8471

Credit card account number & Overseas members: Please remit in US dollars, drawable on a US bank or use credit card.

Signature and Date: \_\_\_\_\_

### Membership Dues

#### ☐ Regular Member

Initiation fee \$20.00  
 Annual dues \$50.00


#### ☐ Life Membership

One Time Fee \$300.00

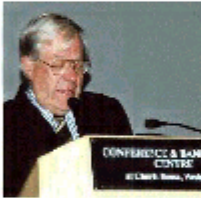
Make check payable to the  
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 drawn on a U.S. bank.

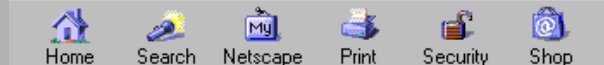
The International Loran Association is a professional organization of individuals and organizations having an interest in Loran radionavigation and who wish to foster and preserve the Loran art. Its logo features the wild goose that navigates thousands of miles with unerring accuracy. Its membership represents many interests including those of planners, promoters, designers, and

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| <br>Hon. Langhorne Bond  | <a href="#">Biography</a><br><br><a href="#">1999 ATCA Glen Gilbert Award</a><br><br><a href="#">Index of Papers</a>  | ILA at the National Boating Federation's 2001 Annual Meeting, Alameda, CA<br><br><a href="#">President's Greeting</a> ----- <a href="#">ILA Presentation</a><br><br>--<br><br>-- |   |  |
| <a href="#">Impact of the Cessation of Selective Availability (SA) on the Need for an Integrated Backup System</a><br><br>A matrix of subject areas, each leading to papers, articles, submissions by members, etc.<br><br>A "scrapbook" ... Much more to come! | <a href="#">Status of Worldwide Radionavigation [2001]</a><br><br>by<br>John M. Beukers<br>Beukers Technologies<br><br><a href="#">Text-Only Version</a><br><br><a href="#">Download (WORD 97, 1.1 Meg)</a> | <a href="#">P-Static Reduction using H-field Antennas: Press Release</a><br><br><br><br><a href="#">Congressional Language and Actions</a>                                       | <a href="#">The Case for Loran</a><br><br>by<br>G. Linn Roth, Ph. D.<br>President, LOCUS, Inc<br><a href="#">Download (WORD97, 832KB)</a><br><br>-- |  |



http://www.loran.org/NewsAndLiterature/LoranAntennaPressRel198.

## ILLGEN SIMULATION TECHNOLOGIES, INC. FACT SHEET

**Date:** December 1, 1998

**Release:** Immediately

**Contact:** Illgen Simulation Technologies, Inc, 805-692-2333 x 20

### Loran-C P-Static Eliminated Using Loop Antennas

Recent high-voltage tests by a team organized by D Loran-C receivers equipped with loop antennas are by aircraft during flight through precipitation. These antennas as part of a study sponsored by the FAA modeling techniques.

Tests under extreme p-static conditions demonstrate performance. Under such conditions, it is even possible simultaneously using new Loran receiver technology discharges caused by precipitation may interfere with solution.

The low profile loop antenna provides a convenient installations, although some may choose separate G

In controlled tests with the aircraft generating precip (the airframe) at levels known to be typical of severe "whip" or electric-field antennas suffered reductions



http://www.loran.org/NewsAndLiterature/LanghorneBondPages/LanghorneBondPapers/GlobalPositioningSense1996.htm

*Reprinted from the Proceedings, 25th Annual Convention and Technical Symposium,  
International Loran Association, San Diego, November 1996*

## Global Positioning Sense

*Langhorne Bond*

*Pittsboro, North Carolina*

*Mr. Bond gave a presentation with this title at the 1996 Air Traffic Control Association meeting in Nashville, TN in October, 1996. His remarks were revised for presentation at the 25th Annual Convention and Technical Symposium of the International Loran Association in San Diego, CA, in November, 1996. He was unavoidably detained and*



http://www.loran.org/NewsAndLiterature/TheCaseForLoran/TheCaseForLoran.htm

### The Case for Loran

**Dr. G. Linn Roth, President, LOCUS, Inc.; October, 1998**

Since its inception, and as its applications and benefits continued to grow, GPS has created a growing fervor of excitement and promise. It seemed as if GPS alone – albeit with some specific augmentations – could meet virtually all our national aviation, marine, and terrestrial radionavigation needs.

However, over the last few years there has been much debate about GPS potential use as the nation's sole-means radionavigation system, and even the term "sole-means" has undergone a redefinition. During the same period, international GPS support has waned, and world-wide acceptance of GPS as a sole-means system has not taken place for numerous performance, liability, and control reasons. The recent Johns Hopkins' GPS Risk Assessment Study (GRAS) generated as many questions as answers, and there is growing realization that GPS' evolution to a sole means system – regardless of future augmentations and how sole-means is redefined – will not occur for well over a decade, if ever.

While such GPS issues can be reviewed within a strictly aviation framework, it is necessary to take a broader view, because GPS policy has major implications in marine and terrestrial applications too. A less well known but extremely important application is in telecommunication and power distribution systems, where GPS receivers generate timing signals used to synchronize massive networks affecting the daily lives and businesses of tens of millions of Americans. Without question, GPS pervades the deepest parts of our national infrastructure, and important risks associated with GPS dependency were identified in a report by the Presidential Commission on Critical Infrastructure Protection (PCCIP) in October 1997. Today those risks have grown, not abated, and critics of the GRAS study such as the International Federation of Air Line Pilots Associations (IFALPA) and Litton Aero Products have uniformly condemned reliance on a single technology, with one author calling the concept "fundamentally unsafe".

In this brief article, I will try to convince you that Loran should be viewed as an excellent complement to GPS, and that combining GPS with Loran would provide a hybrid national system with capabilities much better than either alone, regardless of how many GPS augmentations can reasonably be implemented. Although I will emphasize aviation applications, I will also try to adopt a broader

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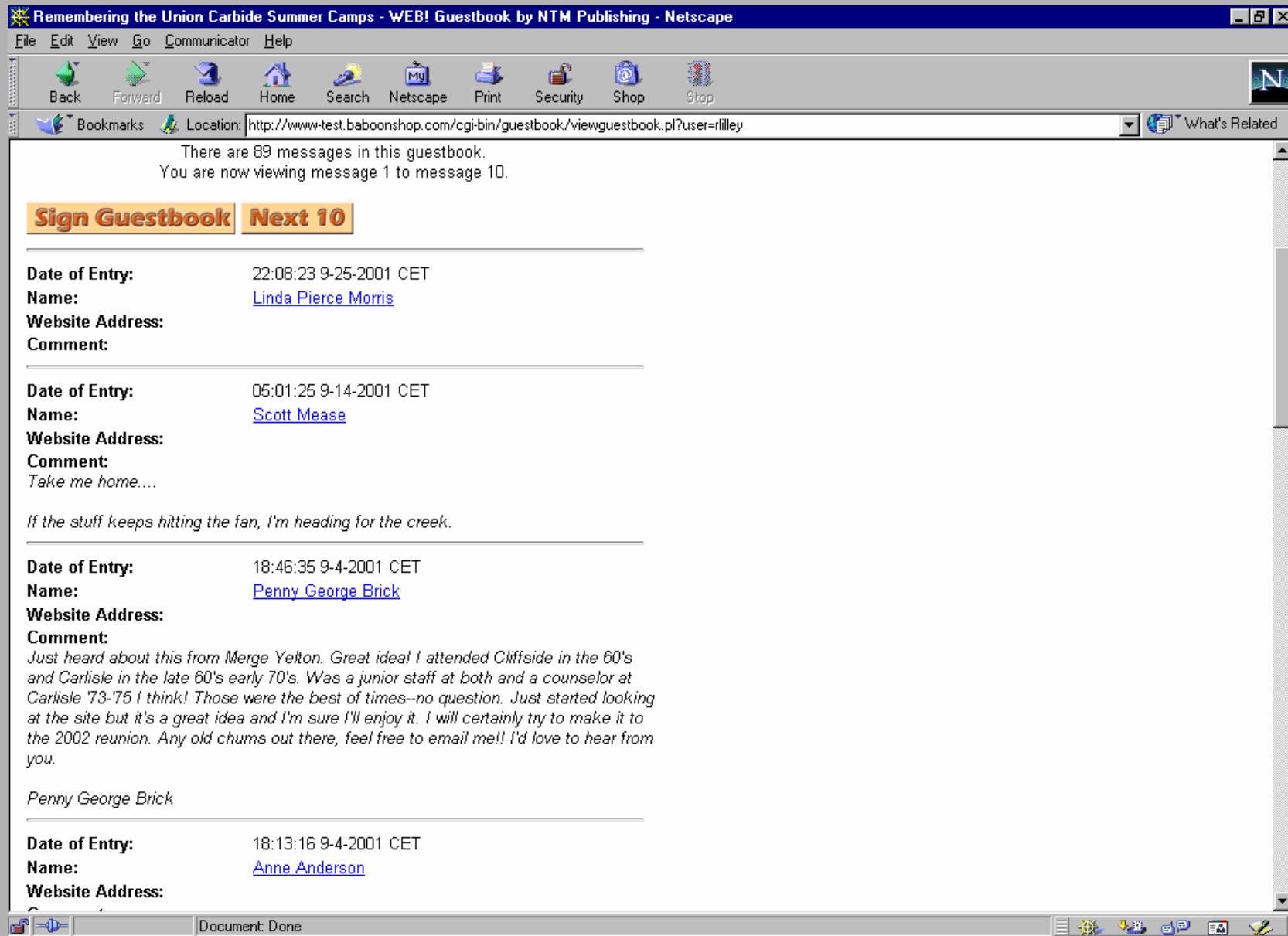
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- [US Coast Guard Loran Support Unit \(LSU\)](#)
- [Northwest Europe Loran-C System \(NELS\)](#)
- [US NOAA Space Environment Center's LORAN-C Page](#)
- ["Fishing with Loran"](#)
- [Reelektronika: Eurofix Web Site](#)
- [Megapulse - leaders in Loran-C technology](#)
- [Computer Controlled Loran-C Timing Receiver - David Mills paper](#)

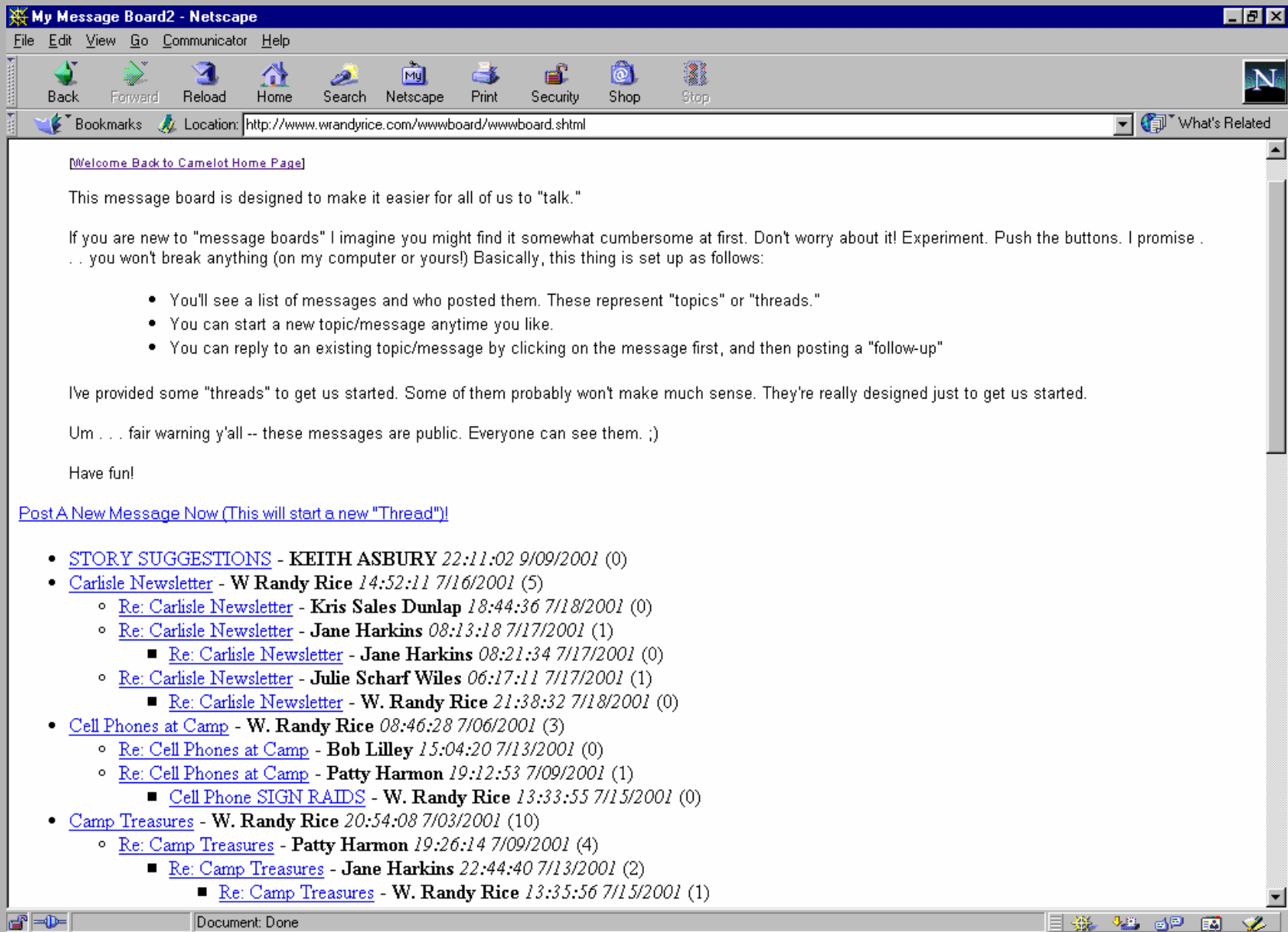
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- [US Coast Guard Navigation Center](#)
- [Coast Guard Loran-C Handbook](#)
- [US Coast Guard links page](#)
- [US Coast Guard's Loran-C Page](#)
- [1996 US Federal Radionavigation Plan](#)
- [1999 US Federal Radionavigation Plan](#)
- [Loran-C Signal Specification](#)
- [Delft: Telecomm and Traffic-Control Systems Group page](#)
- ["Loran is here to stay..."](#)
- [Delft University: Eurofix Web Site](#)

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# Plans - What might be added?

- **More content, even in the current page structure**
- **On-line membership initiation, renewal**
- **“Loran Lines” online**
- **New “look and feel” - modernized**
- **A “Guestbook” for posting messages in broadcast mode**
- **A “Message Board”**
  - Post messages for broadcast
  - Mechanism for tracking conversation “threads”
  - Mechanism for response and “conversation” via messages
- **A “Chat-Room”**
  - A more informal real-time interaction process
  - Brief messages are tagged with user name and sent immediately to all users currently logged on.
  - Messages are generally not recorded





EveryChat Web Chat - Netscape

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Bookmarks Location: <http://paintballers.hypermart.net/chat/chatframes.html> What's Rel

## Paintball Chat

IMP2001 says, "Hi i just came on, whats up everyone" (Mon 5:08pm)

IMP2001 says, "I just logged on! Hi everybody!" (Mon 5:08pm)

El Wolverine says, "Hello everyone" (Mon 4:52pm)

El Wolverine says, "I just logged on! Hi everybody!" (Mon 4:52pm)

Hello says, "hey does anybody have a spyder compact 2000" (Mon 4:06pm)

Hello says, "hello" (Mon 4:05pm)

Hello says, "I just logged on! Hi everybody!" (Mon 4:04pm)

cal2 says, "if anyone is interested email me @ cal2@post.com" (Mon 1:50pm)

cal2 says, "and I'm trying to sell it to an interested buyer" (Mon 1:49pm)

cal2 says, "I have 'conections' to a prototype of this gun" (Mon 1:48pm)

cal2 says, "you know the XTX?" (Mon 1:47pm)

cal2 says, "hey I need to ask you guys about a gun" (Mon 1:47pm)

cal2 says, "I just logged on! Hi everybody!" (Mon 1:46pm)

ja says, "hi" (Mon 11:26am)

Type your **name** here to login:  Submit Name

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# A peek into the future - a modernized look and feel

--courtesy Charles Schue, WR Systems, Inc.



## INTERNATIONAL LORAN ASSOCIATION

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The Association was originally named after the majestic Canada Goose 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.

***ILA Elections! [Click here for the 2002 Slate!](#)***

Join ILA in France for the Year 2001 30th Convention and Technical Symposium.  
Visit the Meeting 2001 page often! And...the April Update page!

# Call for suggestions, contributions and critique

- **Here and now**
- **E-mail me at [rlilley@illgen.com](mailto:rlilley@illgen.com)**
- **E-mail the ILA Operations Center at [ila@loran.org](mailto:ila@loran.org)**
- **E-mail Chuck Schue at [cschue@wrsystems.com](mailto:cschue@wrsystems.com)**
- **Warn us first, then submit materials for posting.**
- **If you are a web-author, offer to help!**