



**LORAL**  
Data Systems

P.O. Box 3041  
Sarasota, FL 34230  
(813) 371-0811



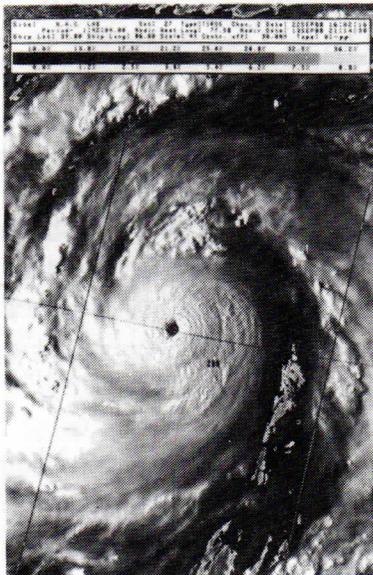
VOLUME XII, NO. 4

JULY /AUGUST 1990

## DATA RECORDER ASSEMBLY COMPLETES 45TH USH-33 FOR SMQ-11 PROGRAM

The SMQ-11 system is a meteorological system which receives data from several satellites. GOES, DMSP, and TIROS are just three of them. The system consists of an antenna, receiver, video formatter, facsimile printer and the USH-33(V)6 (Model-15) Tape Recorder. All U.S. Navy surface combatants of destroyer size and larger are scheduled to receive the SMQ-11 System.

To date, Loral Data Systems has delivered forty-five (45) USH-33(V)6 Recorders and has another six (6) under contract. LDS is currently negotiating with the Navy for an additional sixty-four (64) recorders. A total of 179 SMQ-11 systems are currently in the Federal Budget.



Pictured above is a photo taken by the SMQ-11 system of Hurricane Gilbert. This photo was taken by the SMQ-11 of the eye of the storm.

The USH-33(V)-6 is a 14-track recorder with two monitors. During system operation, the unit records digital data on one-inch tape. The system capacity is approximately 4 hours of continuous data recording from satellite down-link.



Front Row: Pat Parrish, Iva McKinney, Penny Hattaway, Eileen Sandefur, Evelyn White, Cathy Wilson, Back: Steve Troyan, Brad Jones, Carol Vermooy, Louis Sandoval, Mark McClure, David Cobb, Bob Moore, and Chris Lester, with USH-33.

The USH-33(V)6 is an environmentally hardened unit that must withstand extensive testing prior to shipment. After assembly and signal testing, the recorder is subjected to a 2.5g RMS random vibration test, followed by 64 hours of temperature cycling. The 8-cycle temperature test is performed at 0 degrees Centigrade and 50 degrees Centigrade. Operation is verified at the extremes by a computer-controlled self test.

The SMQ-11 program with its requirement for USH-33(V)6 Recorders and associated spares represents a significant amount of work for Loral Data Systems.

*Chris Lester*

## KELLER's CORNER

What is our relationship with Loral Instrumentation? This is a question for which many employees would like an answer.

Loral Instrumentation (LI) and Loral Data Systems (LDS) are both in the telemetry business and are both part of a newly formed Group within Loral. LI and LDS have been traditional competitors in the telemetry business for quite a long time. LI specializes in commercial off-the-shelf products which operate as systems. LDS provides customized solutions for customer problems using a building block approach. We compete against each other when a customer can use either of our products. This has become a regular occurrence.

Employees at both divisions are very concerned that one of the divisions will dominate the other. Rumors abound on both coasts (LI resides in San Diego). The truth is that both divisions are doing well and it is Loral's desire that we continue to grow both businesses.

We are in the process of developing a joint LI/LDS telemetry strategic plan to chart the course to be followed going forward. We will complete this plan in time to start next fiscal year which begins April 1, 1991. The important aspects which you should know are as follows:

- \*The objectives are to increase telemetry market share and profitability for Loral.

- \*Both divisions are to attack new markets utilizing our telemetry skills.

- \*Both divisions are to remain as separate autonomous independent divisions.

- \*We will work together and cooperate to the maximum possible extent.

- \*We will build upon the strengths of both divisions and work to mitigate all weaknesses.

LDS has started to pursue a new business in commercial and Government telemetry communications. Signal Processing Systems (SPS) is a result of using our telemetry skills to expand into a new business. We will work hard to achieve the same success in telecommunications while continuing to grow telemetry. SPS will not be directly effected by the strategic plan of LI/LDS but SPS should benefit from working closely with LI.

I believe the relationship with LI will be beneficial to LDS because we will both be better focused on our business plans and we have more resources to utilize. I personally look forward to completing the strategic plan and developing a synergistic relationship.

## *This and That...And a Little More About Our Family.....*

### **Bundles of Joy arrived at the homes of...**

**Nita Pineas**, Accounts Payable, and her husband, Heinz, welcomed a new baby in their house on July 18. Their new son is named Samuel Viktor who was 8 pounds, 8 and 1/2 ounces.

**Mellonee Houston Beal**, Pre Wave Assembly area, and her husband, Jeremy, welcomed their baby girl, Brittany Ruth, weighing in August 3 at 7 pounds, 15 1/2 ounces.

**Chip Voss**, Technician, Telemetry Engineering, and his wife Pam, welcomed a new baby girl, Shannon Rose, on July 24. She arrived weighing in at 6 pounds, 15 and 1/2 ounces.

### **Wedding Bells Rang Out for....**

**Aylene McCoy and Eldon Andrews** of Operations were wed on August 20th.....Much happiness!

### **Sports News ....**

**Alma Sanger** placed in the Women's International Bowling Tournament in Tampa in June. Alma had a high score of 224 for a single game.

**LDS Mixed Bowling League** began on , Wednesday, August 29, 1990 at the Sarasota Lanes on Fruitville Rd. This league consists of ten teams. President: **Bill Zoerner**, V.P.: **Bob Carlson** and Secretary /Treasurer: **Evelyn Christian**.

The league is still seeking new members. Call any of the three officers named above if interested.

### **WELCOME BACK...**

Joel Weber, a former employee, has returned to join our Telemetry Sales force. Good luck.

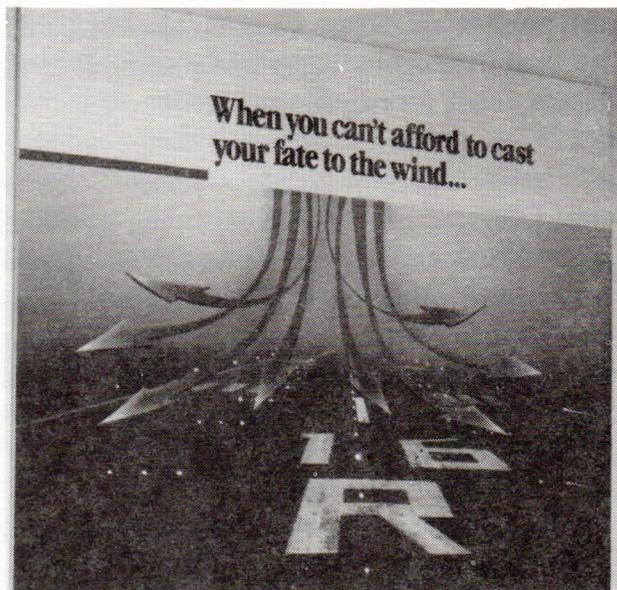
## "LLWAS Credited With Helping 737 Survive Major Microburst"

This was the title of an article published in the July issue of Aviation Week & Space Technology magazine publicizing that the LLWAS (Low Level Windshear Alert System) at the Denver Stapleton Airport correctly reported the largest microburst on record. This particular meteorological event occurred on July 8, 1989--less than two months after Loral Data Systems had upgraded this LLWAS to include additional sensors and the latest software enhancements. Capt. Craig S. Levine, pilot of the Continental Boeing 737-200, carrying 70 passengers and 5 crew members, encountered the 95 knot (103 mph) microburst, and Levine told A.W. & S.T. that he believes his aircraft could easily have been lost on July 8, 1989, without an early warning from the LLWAS.

The Denver Stapleton Airport has been a "test-site" for the LLWAS for many years. Its nearness to the National Center for Atmospheric Research (NCAR) and susceptibility to maverick winds, has aided the scientific understanding of windshears and allowed Loral Data Systems to improve upon the system design--all to the benefit of aviation safety. Known as the Phase III prototype, the FAA funded NCAR to enhance the windshear algorithm and contracted with Loral Data Systems to incorporate this design into the existing Loral LLWAS at Denver. The New Orleans Airport also uses the enhanced design.

The Denver LLWAS monitors the surface winds on the runways and up to three miles further on approach and departure paths. The LLWAS updates information to the Air Traffic Controllers every ten seconds. The system provides both visual and audible alarms depending upon the type and severity of winds. The Air Traffic Controller updates the pilots as required and requested.

The Denver airport has also been a test-site for the Terminal Doppler Weather Radar (TDWR). Although originally touted as the replacement for LLWAS, the July 8, 1989 incident seems to have convinced the FAA that both systems are required. Loral's current proposal to the FAA incorporates a design for interfacing to the TDWR.



The above illustration depicts the phenomena (a microburst) for which LLWAS provides early warnings.

In the NCAR Annual Report, published in June of this year, LLWAS Project Scientist Wesley Wilson, Jr. states, "It's hard in the safety business to know you prevented an accident. It takes an exceptionally isolated event, interpretation from the pilot, and other things." Wilson believes the July 8 incident to be "a once-in-a-career experience."

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## RECYCLING EXPANSION

We all know that you have seen the laundry carts around the building which hold all the scrap green bar computer paper. Have you ever said, "What is that for?" It is for the company recycling program which was started in the Engineering area, assisted by the Maintenance crew. This program has been quite successful so far. If you recall, last Christmas we were all treated to a buffet breakfast as a result of the money we, as employees, earned by saving computer paper and placing it in the laundry carts for recycling.

The New Image Employee Involvement Team has been researching other ways of helping to clean up our environment. At this time we also have an aluminum can collection program in place. Half the funds raised by this are going to the Boy Scouts who do a good portion of the physical work involved in this and the balance goes to our Employee Recycling Fund.

Soon you will start to see orange colored corrugated boxes near all the Xerox machines. The orange boxes will be for memo paper, copy paper and a wide range of other colored and white paper which is recycleable. Over each box will be a poster explaining what type of paper can be recycled. If it can't be recycled, then put it in the regular trash basket.

Did you know that this company pays over \$30,000 a year to the landfill for "dumping" privileges? The green bar paper alone, which we have been collecting for over a year, amounts to over 1,000 pounds per week, and when recycled by us can net us as much as \$40.00 per week. This works two ways for us as employees. It saves the company money and when this paper is recycled we earn money for our Employee Recycling Fund.

We hope to have this program in full swing the early part of September.



*Deborah Stille, Recycling Coordinator, of The New Image EIT displaying posters which will be placed at key areas around the plant.*

Please do your part to make the recycling program pay.

\* \* \* \* \*

### WHERE SHOULD I GO TO .....

**... have a new picture taken for my badge?** See Myron Klineschmidt in the Photo Lab, Room 111, L Building (in long hallway between the Breakaway area and the Fish Pond. Call Ext. 5277.

**... get a new parking tag?** Also see Myron Klineschmidt, as above.

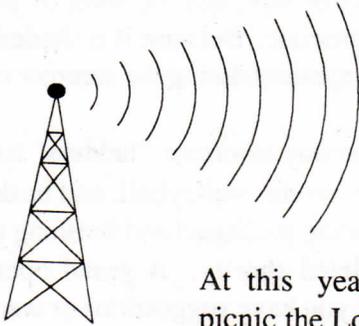
**...get a tuition reimbursement form?** See Human Resources. In the hallway, outside of Jean Henry's office, are plastic boxes on the wall. One of those contains the proper forms.

**...get a discount card for Disney, Sea World, etc. ?** See Berenice Henderson, in the PULSE office in Human Resources.

**...get information about the LORAL Scholarship Program?** See Alma Sanger in the Human Resources Benefits Office for applications (which must be filed before December 1st.)

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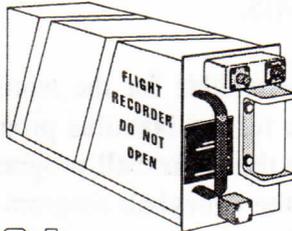
## LORAL AMATEUR RADIO CLUB



At this year's company picnic the Loral Amateur Radio Club will be demonstrating communications equipment operating under emergency conditions. This demonstration will include two High Frequency (long range) radio stations operating on independent power from mobile vehicles. A third station will be a VHF digital communications (PACKET) station operating on solar power.

This will be a hands on demonstration giving the guests the opportunity of communicating with Hams all over the world.

**L.A.R.C.**  
LORAL AMATEUR RADIO CLUB



**LORAL**  
Data Systems

6000 Fruitville Road,  
Sarasota, Florida 34230

Pictured above is the face of the card which will be sent by the operator handling your call at the picnic to another ham operator receiving your call. It should be a very interesting experience for many of us.

*Ed Kreyling*

## WHERE . . . to...(Continued)

### ...get an application for a 401K Loan?

See Alma Sanger, Benefits Office. Alma is also available to discuss insurances, benefits, retirement, and/or related problems at any time. She also suggests you call Ext. 5526 for an appointment so she can assure you will not be interrupted during your visit. Since loan processing does take time, please allow about a month prior to the time you will need or want the money. Paperwork must be sent to Fidelity in Boston for processing.

...if I need an eye exam.? VSP (Vision Service Plan) forms should be submitted prior to going to the doctor. Forms are available outside Jean Henry's office in Human Resources.

...have something posted on the bulletin board near the Cafeteria? See Berenice Henderson in Human Resources to have your ad stamped as okay for posting.

... get information about the YMCA? Information, rate schedules and applications are in a plastic box on the wall in the hallway at Human Resources.

...get a Jury Duty form? Jury Duty, Witness, and Military Leave forms are also in a plastic box outside Human Resources.

...have something notarized? See Alma Sanger in Human Resources, Verna Lee Frye in Security (just south of the front lobby), or Terry Cori in Telemetry Marketing, second floor. To meet similar needs in SPS, see Cindy Abbott, Louise Ream or Cheryl Foster. Ernestine Anderson in the Credit Union is also a Notary.

### ...turn in a "Return to Work" form?

When you have been out for more than five working days, and have been given a "Return to Work" form from your doctor, go to the Nurse's office before you check in at your work station. If you have been out three working days, check in with the Nurse first.

...find medical and dental forms? In plastic boxes on the wall outside of Human Resources and outside the Cafeteria.

## FOR FITNESS BUFFS AND THE NOT SO FIT!

Great things are happening at Loral! If you venture out-doors at lunch or on breaks, you may have seen the flurry of activity behind the plant.

Let's catch up...several months ago, a questionnaire was mailed out to all employees asking us to contribute our ideas about what would be the kind of fitness programs that we would be interested in having available at Loral. Many employees responded and the most popular suggestions were selected.

A very popular request was for Nautilus equipment for work outs. Your wish was granted. For the past nine weeks the exercise van filled with Nautilus equipment has pulled up to our plant three times a week, and our folks are using that equipment and enjoying the experience under the watchful eye of a certified Nautilus instructor.

The idea, of course, is to get everyone interested in adding some form of exercise to their daily routine, and to have the equipment here at Loral. The first most critical issue was the absence of showers. Work is continuing at a furious pace to complete the shower facilities by mid-September.

Other items that you requested and which are now completed are a full size basketball court, a tennis court, and two volleyball courts. The area behind the fence in the rear of our plant property is a well kept secret so most of you will be amazed to know that it is well shaded, wooded and beautiful in its natural state. What you also may not know is that the facilities personnel and helpers have worked very hard to clean up this area, and provide a 20 station fitness course, complete with walking and/or jogging paths.

The fitness course is an exercise area that everyone, regardless of size, sex, or level of physical fitness can appreciate. Because it is shaded it will be especially appealing during the summer months.

Plans are underway to create "ladders" for team involvement in tennis, volleyball, and basketball. Equipment is being purchased and finishing touches will be completed shortly. A grand opening is planned and if you have suggestions or want to be involved in the planning, please contact Dave Clouse.



**Working out in the Nautilus van after a day's work** are, left to right, *Peggy Long, Tina Buss, and Lori Russell* from MIS.

Contact *Bill Mandakis* for the tennis program, *Ken Troutman* for the Nautilus program, *Ralph Portuondo* for the basketball program, and *the chairman* for the volleyball program. These fellows are getting the programs into order and would appreciate your input and assistance.

A very special thanks should go to our facilities folks. They have gone beyond the call of normal duty, and exerted tremendous personal effort and time into making our physical fitness facilities a reality. They have done this for all of us and deserve our respect and appreciation.

*Debbie Graham, R.N., C.O.H.N.*

### LORAL FAIRCHILD CORP. SCHOLARSHIP PROGRAM

This scholarship program was established by Loral Fairchild Corp. to encourage and reward scholastic achievement by sons and daughters of employees and retirees of the Loral Fairchild Corp. divisions. Children of deceased employees are also eligible if the parent had completed one year of service at the time of death. Parents of applicants must have completed at least one year of service prior to the time the applicant intends to enter college.

Scholarships are awarded each year ranging in the amounts of \$1,000 to \$2,700 to be used for any purpose related to receiving a college education, such as tuition, books, fees, and living expenses.

To take advantage of this program applicants must be in their senior year of high school and must be entering college for the first time as a freshman or under advanced placement.

At the current time Loral Data Systems has seven Loral Scholarship recipients. These students were selected by an independent judging agency over the past three years. All scholarships to LDS children are funded by Loral Data Systems in Sarasota.

Applications are now available in the Benefits Office and must be received by the Sponsored Scholarship Programs by December 1st. Applicants must take the SAT no later than the December testing date.

#### **LLWAS Continued...**

In an editorial appearing in Aviation Week's July 23 issue, the author discusses the budget environment for the FAA's proposal to standardize the LLWAS at all 110 airports by using the Aviation Trust Fund. According to him the 70 passengers and 5 crew members who were on board Continental Flight 531 on July 8, 1989 probably would strongly favor the expenditure. *Jon Brown*

### LORAL ETHICS PROGRAM

It is the responsibility of every employee to be sure that they are in compliance with Loral's Code of Ethics at all times.

To the best of our knowledge all of our employees, including contract employees, have been asked to attend the meetings we have held over the past months instructing our employees as to the expectations of Loral Data Systems. Those who were unable to attend the originally scheduled meetings were then called upon to attend the make-up meetings which were held as a follow-up. Strict records have been kept regarding attendance or the lack of it. If for some reason you have been overlooked, please contact your supervisor so you may receive the proper training.

One of the most critical areas is the matter of labor charges and the proper method of keeping time records. You may not be aware that unannounced audits of time cards procedures have been held in different areas of the plant over the past few months to enable us to catch our own errors in reporting time.

The DOs and DON'Ts for Labor Charges were posted on all bulletin boards. These rules are to be very carefully observed. A few are listed below:

- DO** charge what you are working on.
- DO** be sure your name and employee number is on your time card.
- DON'T** erase or use whiteout.
- DO** record your time legibly and in ink.
- DON'T** sign a blank time card or voucher.
- DO** make a report if you suspect your time card has been tampered with.

Please join your fellow employees in doing their best to observe ethical business practices. The Hotline is always available to you when needed.

**STEP-UP PROGRAM**

The Manasota Industry Council is a job training program funded by federal grants. The Council is operated by paid staff but is overseen by a board of individuals from the public and private sectors.

One of its programs is Step-Up. This program exposes youth to local career opportunities while providing them with positive role models. At the same time, Step-Up provides area businesses with minority talent for their management training programs.

Thirty-five students applied to participate in the program this year, but the number of students was limited to 11 because of the number of participating companies. The companies agree to provide a meaningful, 40-hour-week job and pay the student at least \$5.50 per hour. Executive mentors are asked to spend at least one hour a week with their proteges, explaining the operations and philosophy of the company and exposing the students to executive decision-making.



*Angelia James and Carolyn Kleist*

Loral Data Systems sponsored one student this year, Angelia James, who worked in Accounts Payable performing various functions as required. She worked for us last summer in Human Resources and rounded out her business experience this summer in the Finance Dept. Her mentor this year was Carolyn Kleist.

**HAPPY ANNIVERSARY !!!**

**JULY ANNIVERSARIES**



**Roy Paxton, 30 Years; Cynthia Cole, 5 Years; Julie Soderquist, 5 Years; Bernie Cori, 10 Years. Missing from photo is Dale Munson, 5 Years.**

**AUGUST ANNIVERSARIES**



**Bill Kessler, 40 Years; Rosemary Williams, 25 Years; Yvonne Gurzell, 5 Years; Ron Kufro, 20 Years; Mike Meesit, 5 Years. Missing from photo are Judy Mewes, 15 Years and Jeff Milburn, 5 Years, who is located in Lancaster, CA**

## NEW TOOL

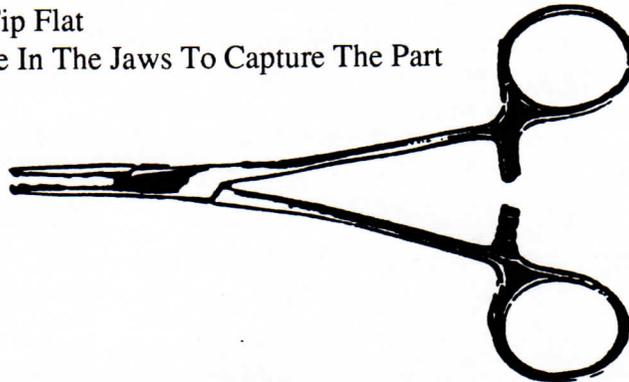
Do you have to handle small parts (i.e., rivets and roll pins) in your assembly operations? Have you ever had these parts shoot across the room out of the needle nose pliers or tweezers they were being held with?

Craig Della Vedova of Equipment Recorder Final Assembly may have a better idea. Craig and his support team had a hemostate modified in the following manner:

1. Ground The Tip Flat
2. Drilled A Hole In The Jaws To Capture The Part



**TIP  
DETAIL**



Using this tool, small parts can be easily picked up and maneuvered for virtually any assembly operation. Contact Evelyn Christian at Ext. 5508 for a demonstration. New Tool Support Team Members are Eldon Andrews, Jim Azukas and Evelyn Christian.

Contact Lisa Powers at Ext. 6962 if you have an idea for a tool or assembly aid to share with your co-workers.

## DO YOU NEED AN EYE EXAM?



Prior to going to your eye doctor, pick up a Vision Care Plan pamphlet from Human Resources and send in the **Request For Vision Care** form.

If you do not wish to use a participating doctor, you must still fill out the Request form.

Once you receive your authorization, which is usually good for approximately three months, then make your appointment with your doctor. If it is a participating doctor, you need only give him/her

your authorization and pay your deductible.

If you use a non-participating doctor, attach the bill to your authorization form (remove and keep the top form) and mail all to :

VISION SERVICE PLAN  
P. O. Box 220  
PARSIPPANY, N. J. 07054-0220

to receive your reimbursement.

## **EMPLOYEE ETHICS RESPONSIBILITIES**

### **TO COMPLY WITH LORAL'S CODE OF ETHICS**

#### **TO REPORT**

- IF REQUESTED TO ENGAGE IN ANY ACTIVITY CONTRARY TO THE POLICY
- IF YOU HAVE REASON TO BELIEVE ANY OTHER EMPLOYEE OR REPRESENTATIVE OF THE COMPANY IS ENGAGED IN CONDUCT CONTRARY TO THE POLICY

#### **CHANNELS FOR REPORTING**

- HIS/HER SUPERVISOR
- SUPERVISOR'S MANAGER
- PERSON DESIGNATED WITHIN THE DIVISION FOR INVESTIGATING REPORTS

#### **COMPLIANCE MATTERS:**

MARK MUSTICO - SPS GROUP  
ROYAL BECHTOLD - ALL OTHERS

#### **SECURITY MATTERS:**

BILL SHAW - ALL GROUPS

#### **CALLING THE DIVISION HOTLINE NO. 6869**

CALLS MAY BE ANONYMOUS. ALL HOT LINE CALLS WILL BE HANDLED CONFIDENTIALLY.  
YOU MAY CALL BACK TO LEARN WHAT ACTION WAS TAKEN.

#### **CALLING/WRITING LORAL CORPORATION VICE PRESIDENT AND CONTROLLER**

BOB LAPENTA  
600 THIRD AVE.  
NEW YORK, NY 10016  
(212) 697-1105

#### **CALLING/WRITING INDEPENDENT OMBUSMAN**

ROBERT GREGG  
C/O HAZEL, THOMAS, FISKE, BECKHORN, AND HANES  
3110 FAIRVIEW PARK DRIVE, SUITE 1400  
FALLS CHURCH, VA 22042  
1-800-842-2651

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**Editor: BERENICE HENDERSON (x6945)**

## **REMINDER**

### **LORAL COMPANY PICNIC**

**OCTOBER 13, 1990**

**11:30 AM - 4:30 PM**

**COME TO RENEW  
FRIENDSHIPS,  
HAVE FUN AND  
ENJOY A PICNIC LUNCH**