

# PROGRESS



**LORAL**  
Data Systems

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VOLUME XIV, NO. 1

JANUARY - MARCH 1992

## DIGITAL ROTARY RECORDER MAKES U.S. DEBUT

LDS's Instrumentation Recorders organization arranged and presided over the U.S. debut of the Digital Rotary Recorder in Washington last month. The long awaited recorder is the culmination of work between our Recorders organization and Schlumberger's Data and Acquisition Recorder division which began in 1986.

The first Rotary was delivered this month to the Jet Propulsion Laboratory in Pasadena for an upcoming shuttle mission. The recorder will be on board to support the ATMOS atmospheric analysis experiment. Its advanced capabilities will permit the entire mission of twice hourly atmospheric observations to be recorded on one cassette.

IR's mission in February was to bring the key people from various program offices and prime contractors to view the demonstration. During the five day demonstration, over 100 potential customers from widely varied programs and requirements traveled to Washington.

Navy programs such as P-3 Update IV, TSPARS, TUBA, Navy ATARS, and Air Force programs -- JSIPS, ATARS, and JSTARS were represented. NASA Headquarters, Goddard and Marshall were represented as well as Industry Standards representatives and prime contractors GD, E-Systems, McDonnell Douglas, Lockheed, Itek and CAI.



**DV 6410 Digital Data Recorder, Airborne Unit**

continued on page 9....

**HAPPY ANNIVERSARY**

JANUARY, 1992



Front L to R: Phil Potts, 25 yrs., Wayne Lockwood, 30 yrs., Ellis Speicher, 30 yrs. Back L to R: Scott Zeiner, 15 yrs., Bill Zoerner, 30 yrs., Mike Russell, 30 yrs., Bob Hughen, 30 yrs. Not pictured: Dan Toler, 35 yrs., Cindy Abbott, 10 yrs., Don Taylor, 5 yrs.

FEBRUARY, 1992



L to R: Jim Massing, 15 yrs., Paula Baker, 10 yrs., Corinna Decker, 5 yrs., Guy Ellis, Jr., 10 yrs. Not pictured: Bob Sayre, 35 yrs., Paul Weller, 35 yrs., Jim White, 25 yrs.

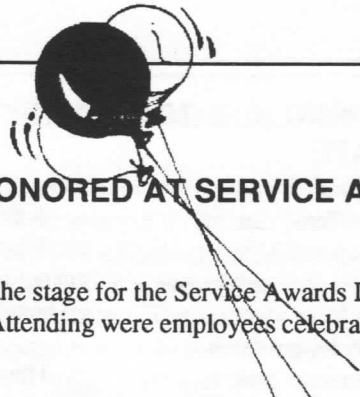
MARCH, 1992



L to R: Pervis Sanders, 35 yrs., Joan Brothers, 25 yrs., Dorothy Bennett, 35 yrs., Fritz Rummery, 5 yrs., Carl Aquilino, 15 yrs. Not Pictured: Deborah Stilley, 5 yrs., Frank Bloechel, 30 yrs, Cathy Houle, 5 yrs.

**RECENT RETIREES**

- Art Weinzierl  
39 Years
- Dorothy Bennett  
35 Years
- Ron Connolly  
35 Years
- Pervis Sanders  
35 Years
- Paul Weller  
35 Years
- Thomas Toler  
34 Years
- George Zimmerman  
34 Years
- Dorothy Watson  
32 Years
- Roy Paxton  
31 Years
- Richard Vorce  
30 Years
- Barry Hawkins  
29 Years
- Sally Marlowe  
29 Years
- Irmgard McWhorter  
29 Years
- Ty Rigdon  
29 Years
- Paul Shetler  
29 Years
- Ann Stinton  
29 Years
- Polly Smith  
28 Years
- Don Riker  
26 Years
- Walt Knopik  
24 Years
- Kay Cole  
22 Years
- Joe Lazarony  
18 Years
- Willene Lahman  
16 Years
- Eva Perez  
15 Years
- Jessie Ernestine Ray  
15 Years
- Ollie Stone  
15 Years
- Helen Duthe  
14 Years
- Stan Krosnicki  
14 Years
- Van Stone  
14 Years
- Bernie Dorobkowski  
13 Years



**LORAL EMPLOYEES HONORED AT SERVICE AWARDS DINNER**

Candlelight, fine china and fresh flowers set the stage for the Service Awards Dinner held at the Tournament Players Club at Prestancia on Thursday evening, February 6. Attending were employees celebrating major milestone anniversaries and their guests, supervisors and managers.

Following opening remarks by Joe Keller, honorees were presented with either a 20 year timepiece or a plaque denoting their years of service. Memorable anecdotes of the past years were shared **with all**. **This group of devoted employees** represents a combined total of 450 years of service to our company!

Additional honorees not pictured below are Jim Horvath, 25 years, Bill Miles, 25 years, Dick Vorce, 30 years, and Marlin Beer, 25 years.



Pictured above, front row L to R: Joe West, 25 yrs., Bob Wallace, 30 yrs., Jerry Belveal, 20 yrs., Ron VanderVliet, 25 yrs., Gene Schroeder, 25 yrs., Cindy Buckles, 25 yrs.. Back row, L to R: Eldon Andrews, 40 yrs., Steve Hoff, 25 yrs., Chuck Jones, Jr., 30 yrs., Larry Stewart, 20 yrs., Pearl Jennings, 20 yrs., Al Marion, 20 yrs., and Bill Waggener, 30 yrs.

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**"You may not have a choice as to whether you're healthy; you may not have a choice as to whether you have money; you may not have a choice about the circumstances surrounding your life. But you do have a choice. You can choose an attitude."**

author unknown

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**NEW IMAGE TEAM  
COMPLETES UPDATE**

The New Image Employee Involvement Team recently completed a major update of its Office Support Manual, originally compiled by the group in 1986.

This ready reference source book provides guidelines for procedures, copies of forms and general "how-to-handle-it" information.

The updated reference manual for standard LDS usage will greatly benefit our office support personnel and the employees they assist throughout the division.



New Image Team members proudly displaying their new manual are front row L to R, Judy Brewer, Christine Edwards, Baba Marrero, Debbie Bowen; back row, L to R, Jean Henry, Joanie Odzic, Julie Soderquist, Debbie Sutor, Deborah Stilley, Chris Lawson and JoAnn Tonkin. Team members not pictured are Diane Hamel, Donna Roth and Pat Zieschang.

**LORAL CORP. ACQUIRES  
LIBRASCOPE**

Librascope of Glendale, CA became Loral Librascope on December 20, 1991.

Librascope designs and manufactures tactical information and weapon control systems for shipboard and ground forces applications. It is a principal supplier of underwater combat control equipment to the U.S. and allied navies and a major supplier of field army tactical command, control, communications and intelligence (C3I) systems.

William F. Hudson has been appointed president of Loral Librascope. Hudson reports to Hugh Bennett, Group Vice President for Telemetry and Instrumentation.

**FAIRCHILD SSDFR  
FLAWLESSLY PERFORMS**

A twin jet business aircraft, Beech Jet Model 400A, crash landed at a fogged-in rural airport in Italy with one of our solid state flight data recorders (SSDFR), Model F1000, on board.

The aircraft landed in a swamp before reaching the runway. No injuries were sustained. However, the recovery of the SSDFR was hindered by the swampy conditions. Creative measures had to be implemented in order to keep the crane from sinking.

Analysis was performed by the Air Accident Investigation Branch (AAIB) in England. Since this was our first SSDFR to be involved in a crash, our Customer Service Representative, **Dave Dowding**, assisted in the readout. The recorder was not damaged at all. In fact, it was not even jarred out of the vibration box. Dave reported that the readout proceeded flawlessly.

**Hans Napfel**, senior Staff Engineer, received a letter from Dick Vano of the AAIB thanking us for our assistance with the replay. "Dave made the replay look easy, we needed his expertise," stated Vano.

**WELCOME ABOARD TO....**

**DAVID JOHANNESMEYER  
Principal Sales Engineer  
Lancaster, CA**

**1/27/92**



**LDS FINALIZES LLWAS CONTRACT**

The LLWAS Network Expansion contract was finalized with the FAA in January for a total value of \$10.7M. Installation of these seven airport meteorological systems is expected to be completed by 1992 year-end.

LLWAS is an acronym for Low Level Wind Shear Alert System. Wind shear is a rapid change in wind speed and/or wind direction between two points. This rapid change becomes dangerous for aircraft when its intensity exceeds certain limits.

LDS has been in the LLWAS business since 1976. Loral's LLWAS is installed at 59 of the busiest U.S. airports.

## LDS RECEIVES SPECIAL RECOGNITION FROM GENERAL DYNAMICS

LDS recently received a Special Recognition Award from General Dynamics, Space Systems Division, for delivering two multiplexing systems ahead of schedule.

Said Phil Parker, Titan /Centaur Program Office, in a letter to Joe Keller, "This hardware is to be part of a completely refurbished Launch Complex 40 at Cape Canaveral, an important part of the United States Space and Defense Programs. This project has been accomplished on a crash basis, and Loral Data Systems has made it possible for us to deliver this system in support of a demanding schedule.

"We especially want to thank **Mr. Steve Carroll** of your contracts Department and **Mr. Bill Cox** of your Systems Engineering Group for their special contribution and individual effort in making this possible."

The multiplexing equipment was part of a project General Dynamics was completing for Martin Marietta Corporation and the USAF.

Pictured below from left to right are Phil Parker, General Dynamics, Bill Cox, Electronic Technician A, Steve Carroll, Sr. Contracts Administrator and Carl Aquilino, Sr. Vice President, Telemetry.



## DEUTSCHE AIRBUS COMMENDS LORAL TEAM

A beautiful, handpainted greeting card was sent to LDS by Hans Joachim Schubert of Deutsche Airbus thanking the Loral team for their efforts on the recent Transall Upgrade Program. This project was in support of the German government's revitalization of its fleet of C-160 Transalls, twin turboprop military transports that were jointly developed and produced by France and Germany.

In a letter accompanying the card, Mr. Schubert personally commended **Rosemary Williams, Art Hallett, Don Worthington, David Payne, Len Zeiler, Ken Coonce** and the other colleagues of the Loral/Transall team for their "readiness in action, specially shown to us during ATP."

Mr. Schubert's letter and handpainted card are displayed on the bulletin board near the entrance to the cafeteria.

## DEBBIE GRAHAM NAMED NURSE OF THE YEAR

**Debbie Graham** was awarded the designation of Occupational Health Nurse of the Year at the October 1991 Florida Occupational Health Conference.

This award is not given annually - it is given to the Florida occupational health nurse who personifies the exceptional rather than the ordinary in her professional specialty. The chosen nurse serves her Association and the State Nurses Group as well as her clients. This honor is the highest award an occupational health nurse can be given.

Regional nominees are considered by a special committee consisting of prior winners or elected committee members. If a person is selected, the State Association notifies National and presentation arrangements are made. The honor is always bestowed at the annual Florida Occupational Health Conference.

Debbie is currently the Treasurer of the State Association of Occupational Health Nurses.

Congratulations, Debbie! We're proud of you.

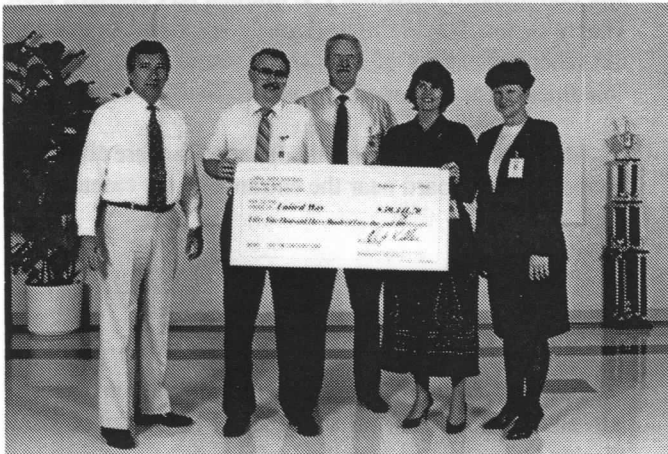
**Thanks a million to the 75  
LDS employees who donated  
blood during the Bloodmobile's  
visit on February 25!**



## LDS SURPASSES GOAL IN UNITED WAY CAMPAIGN

A donation ceremony took place on Friday, February 21, 1992, concluding the 1991 Loral Data Systems United Way Campaign.

LDS President Joe Keller presented a ceremonial check for \$59,341.70, signed by himself and LDS United Way committee members, to Roger Clarke, President and CEO of Central National Bank and President of the Sarasota United Way Board of Directors, and Rebecca Armstrong, Director of Campaigns and Marketing.



Top picture shows Phil Luquette, Joe Keller and Marie Keeney displaying ceremonial check for Mr. Clarke and Ms. Armstrong. Bottom picture shows the LDS Campaign Committee.

Loral continues to be one of the top three contributors in the county. We surpassed our goal this year and only your willingness to help the needy in your community made it so. You should be very proud of your accomplishment.

Once again, on behalf of the company, United Way and myself, I say thank you!

Reported by Phil Luquette

## SPORTS NOTES

### LDS SOCCER

**David Payne**, Applications Engineering, scored three goals in a Loral vs RJA KnightHawk soccer game on December 8, 1991 at Palm Harbor, FL. The goals helped win the game 6-0 and were the first hat trick for a Loral player in three seasons. **Tim Kurnik**, SPS Software Engineering, scored first and David Martini, Florida Power & Light, had two goals to complete the scoring. The shutout was earned by goalkeeper **Carlos Mileham**, Telemetry Hardware Engineering. The Loral Soccer Club has just completed its fourth season in Division IV of the Florida Suncoast Soccer League.

Reported by Chris Lester

### LORAL BILLIARDS LEAGUE

1991 was the kick-off year for the Loral Billiards League and it proved to be quite an experience!

The billiards tables at Livingston's presented a real challenge - no pockets with dips for easy roll-ins, springy rails, and table legs firmly affixed to the floor to eliminate accidental bumping of balls into the pockets.

**Vivian Owen**, QA Inspection Group Leader, had difficulty distinguishing between her own balls and those of her opponent. There was also a problem with which end of the cue was which. Vivian claims that the problem she had with hitting her opponents balls stemmed from her husband, Greg, insisting that she practice by herself, where she was allowed to hit any "called" ball. She had no comment on the cue problem.

**Rick Wilson**, also of the QA Department, increased his average from 5.0 to 8.0. Rick claims this improvement was a result of a book he purchased on how to play pool. Livingston's claims it was because he spent seven nights a week at their establishment!

The league offers an enormous amount of fun and will be resuming in April. Players contribute to a cash prize fund which is distributed at the end of the season. Last season, a high average trophy was presented. Trophies also went to all members of the first, second and third place teams. An end-of-the-season banquet was held at Livingston's, featuring free pool, pizza and beverages.

Sound like fun? Join the 1992 league by contacting Lisa Powers, x6962, Bob Wallace, x5210, or Bill Miles, x5241.

Reported by Lisa Powers

## 1992 TOOTHPICK BRIDGE BUILDING CONTEST

The Third Annual Toothpick Bridge Building Contest held on February 22 and 23, 1992 in the Gulf Gate Mall was a huge success. The contest is jointly sponsored by the local chapters of the Florida Engineering Society (FES), the American Society of Civil Engineers (ASCE) and the Society of Manufacturing Engineers (SME) in honor of National Engineers Week (February 15-23, 1992). It is intended to stimulate interest in math, science and engineering related education and is designed specifically to introduce many of the aspects of a real engineering project. The students build a bridge from two boxes of standard wood toothpicks and a small bottle of wood glue. The bridge must span a minimum of 20" and be no longer than 25.5". It also can be no more than 18" high or 7" wide. The test of the bridge and its construction is done in a specially designed fixture using an air cylinder to apply pressure to the center of the span until it collapses. This year 462 students from 18 schools in Sarasota and Manatee counties submitted 273 bridges to "THE CRUSHER" to be tested.

Darren Platt, Riverview High School, submitted the "Overall" winning entry with a bridge that weighed only 3.02 ounces and held 118 pounds (625 times its own weight) before it collapsed.

Pictured below are "THE CRUSHER," Robert Lee of Bayshore High School displaying his project, and Jim Pauley (light jacket), Physics teacher at Palmetto High School. Jim won a computer for having the largest number of students entered in the competition - 81 bridges submitted by 97 of his students.



Contributed by Al Marion

## NEW LDS BENEFIT IS FILLING IN FOR DR. MOM

Loral Data Systems (LDS) has for some time recognized the importance and need for a company sponsored child care program for sick children of their employees; a program that would allow employees to come to work with the confidence that their children are being well cared for in a safe, reliable environment that is affordable.

Sound too good to be true? Well it's not. The "Kids Under the Weather" (KUTW) program at Sarasota Memorial Hospital and PediCare at Manatee Memorial Hospital now offer this service as a benefit to all of us and LDS will pay for it.

### Kids Under The Weather

KUTW is a daycare center staffed with well-trained nurses to care for mildly sick children. The nurses take your child's vital signs periodically throughout the day and if your child's condition gets worse, they will call you. Medicine prescribed by the child's doctor will also be given on schedule by nurses, as will cough medicine or Tylenol that the parents supply.

The KUTW facility can hold up to 26 children per day. Age range is 3 months to 12 years. The children are separated into different rooms according to age and illness. Each room has a play area; all toys are freshly washed.

Infants and toddlers are given their own playpen with toys unless they are napping, then they are placed into a crib. Older children play games with one another, watch TV, do crafts, and sleep on cots when they are tired. Group activities don't combine children with different symptoms. Activities vary according to age and illness.

The children are given breakfast if you specify (usually cereal and juice), lunch and two snacks each day, one in the morning and one in the afternoon. There is a menu from which you and your child can choose his or her lunch, which consists of well balanced, nutritious meals.

KUTW is open from 6:30am to 6:30pm Monday through Friday except for holidays. Parents must pre-register their children before they can attend KUTW so that the hospital will have a record of their physician's name, immunizations, allergies and special needs.

Unfortunately, KUTW is not for all kinds of illnesses. Children with cases of conjunctivitis must be seen by a doctor first and children with airborne infections such as chicken pox can not attend.

KUTW uses a first come first serve basis. Therefore, it is recommended that parents reserve a space for their child as early as possible, the night before or no later than 6:30am the day of their child's anticipated attendance.

KUTW's fee is \$3.00 per hour and is paid directly by LDS. For more information about KUTW please call 957-7500.

Some employees here at LDS who have taken their children to KUTW were interviewed about their thoughts of the program. Here are some of their comments:

"The staff is caring and loving, I feel they take their job seriously and truly enjoy working with kids."

"The facility is clean and organized."

"When my children are sick I know they are in good hands with lots of TLC."

All the employees who were interviewed had glowing responses about the medical staff, the curriculum, the service, and the KUTW program overall. One employee even stated that her daughter begs to go to KUTW even when she is well, and cries when Mom has to say no.

### PediCare

PediCare is a very similar program to KUTW and is located at Manatee Memorial Hospital for employees who live in the Bradenton area.

PediCare is open 24 hours a day. Parents do not have to pre-register their children, but their pediatrician must be on staff at the hospital.

PediCare uses a first come first serve basis. Therefore, it is recommended that parents reserve a space for their child the night before or no later than 6:30am the day of their child's anticipated attendance.

At PediCare parents pay a fee of \$2.00 (subject to change) per hour to the hospital at the time of service and then take their receipt to LDS accounting for reimbursement.

For more information about PediCare, please call 746-5111 ext. 7277.

Reported by Kim Smith



Rotary Debut continued from front page....

Schlumberger Industries' Patrice Marcilhacy and six engineers from Velizy provided two recorders - the DV6410 Airborne Unit and the DV6420 Rack Mount Unit. The equipment performed flawlessly even after being transported 3,000 miles and set up with unfamiliar test equipment.

Each demonstration lasted one to two hours with features such as record/replay of error free data from 10 to 130 Mbit/sec on the ground unit and 15 to 180 Mbit/sec on the airborne unit.

Some common applications for this class of recorder are as follows:

- . E-O Sensors 200+ Mbit/sec
- . I-R Sensors 50-200 Mbit/sec
- . Multiplexed ASW Sensors 30-100 Mbit/sec
- . Multiplexed Aircraft Buses 50-150 Mbit/sec
- . Satellite Downlinks 30-300 Mbit/sec

Schlumberger has recently invested in production tooling and measurement systems guaranteeing the smooth transition from engineering. In 1992 Schlumberger plans to manufacture this recorder in production quantities.

Loral has an agreement with Schlumberger allowing Instrumentation Recorders to market Schlumberger rotary products in North America, Japan and Israel. This agreement provides us with manufacturing rights in Sarasota, if required by a specific program.

Reported by Steve Hoff and Jack Long

LDS ANNUAL SPRING FISHING TOURNAMENT

SATURDAY, APRIL 11, 1992

7:00 AM TO 8:00 PM

SOUTH LIDO PARK

COST: \$5.00

GREAT PRIZES ! GREAT FUN!



LDS SPONSORS 1992  
SARASOTA DISTRICT SCIENCE FAIR

Does the addition of aspirin to the water help preserve fresh flowers? Does the size of a person's feet effect how far he/she can jump? Is contemporary parenting good or bad? Which battery is the best buy? (Hint - it's not the little pink bunny kind!)

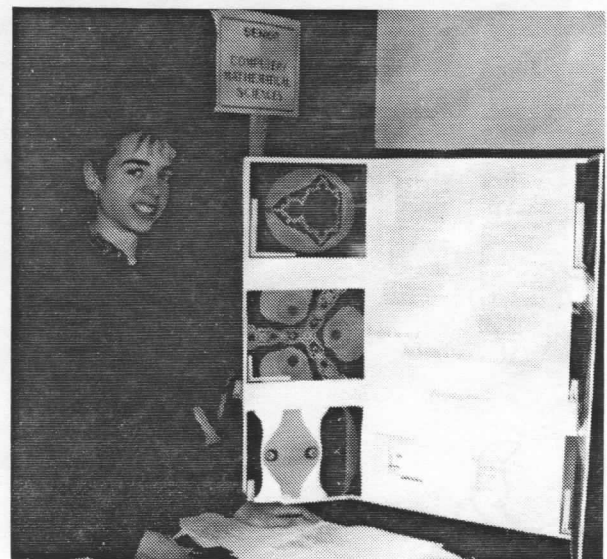
The above is only a sampling of the more than 350 topics presented at the March 12 Sarasota District Science Fair held at the National Guard Armory. Loral Data Systems, in conjunction with the Sarasota County Public Schools Foundation, is the major sponsor of this event for primary through high school level students.

Science projects fall into the categories of Earth/Space, Life/Behavioral, Physical/Engineering, and, thanks to Loral's lobbying, Computer Science and Mathematics (high school level only).

Projects are judged on evidence of creativity, scientific thought, thoroughness, skill, and clarity. **Mike Eisenbise**, Manager of Facilities Engineering, spent time prior to the Fair with participating McIntosh Middle School students, coaching them on the above criteria.

Among the 75 judges this year were six LDS employees, **Phil Sorrentino, Jim Toms, Joe Alvarez, Chris Lester, Terry Romine and Tony Reali**.

First, second and third place category winners in each division will be awarded their ribbons at a ceremonial dinner on April 8.



Michael Higgins of Venice High School displays his Computer Science/Mathematics project on the Chaos Theory. Michael was the overall winner in the high school division.

# 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  
DAVE TAYLOR - 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.

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