

NEWS & OPINION

VOLUME 11, NUMBER 8

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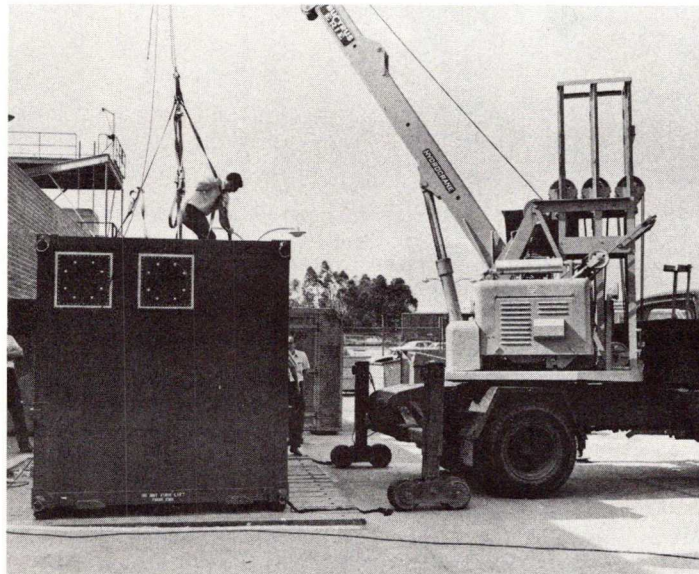
MONDAY, AUGUST 21, 1972

DASC Drop Test Completed

The Data Processing Shelter for the Direct Air Support Central (DASC) has successfully completed its drop test. The Data Processing Shelter weighs approximately 6000 lbs., and is the heaviest of the five shelters which comprise the DASC System.

This major milestone in the program verified the design of the shelter system and the equipment racks within the shelter. Stress and acceleration measurements made during the test indicated that shock loads within the shelter were well within the DASC specification requirements.

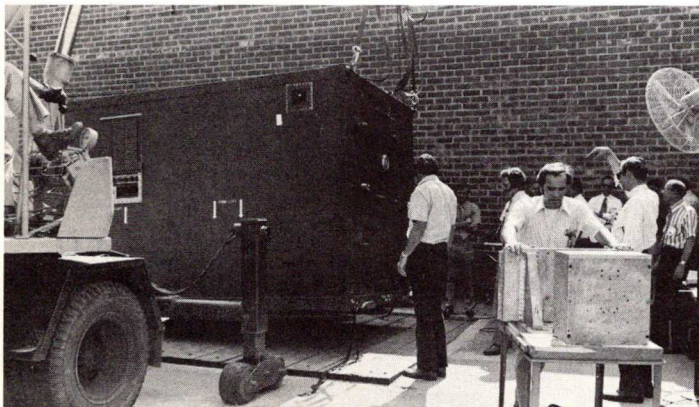
The drop test is used to simulate actual field conditions when shelters are transported and set in place by helicopter. To perform the drop test, one corner of the shelter was supported on a five inch block. The diagonally opposite corner was raised 18 inches and then



At the site of test outside Bldg. 40, a hydrocrane is used to simulate a helicopter to drop shelter on wooden platform.

allowed to fall freely on a concrete surface topped by wood planks. The test was repeated for each of the four corners of the shelter.

Drop tests on the other DASC shelters will be conducted at a later date.



The DASC shelter is elevated to 18 inches prior to its final drop during testing.

OFFICIALS REVIEW DD-963—During a recent visit to Litton's Canoga Park Integration Center, Navy officials reviewed DSD's programming effort for LHA/DD-963 projects. At left is Rear Adm. J. E. Rice, commander of Naval Electronics Systems. With him are Dr. N. A. Begovich, DSD president; Bill Truitt, LHA Software manager; and Dan Dudas, Ship Electronic vice president.



SYSTEMS DEMONSTRATED—Ron Smart (seated, foreground), LHA Integration and Testing, demonstrates communications data processing systems at the Canoga Park Integration Center. Behind Smart are (from left) Chuck Malone, LHA Software; H. J. Stansel, technical director; Rear Adm. J. E. Rice, Naval Electronics Systems commander; Cdr. J. E. Fernandes, assistant project manager for Combat Systems; Dr. N. A. Begovich, DSD president; and Dan Dudas, Ship Electronic Systems vice president.



Sixteen Litton employees have completed DSD's business management program at UCLA extension. In front, left to right are Oscar W. Lawrence, Norman J. Scheer, Robert C. Gray, Robert J. Malinzak, Edward B. Simon. In back are Louis J. Schaeffer, Dean D. Hickman, Lawrence R. Stern, Carl J. Henry Jr., William J. Hodges, Paul A. Mauro, William R. Kingston and Charles G. Wathen. Not shown are William E. Ballard, Frank J. Fundak and William M. Ryan.

Management Course Completed

Sixteen men with a desire to obtain better understanding of management functions, methods and organizational principles associated with the Defense and Space Industry, received certificates of completion from the Business Management Program offered by UCLA Extension in conjunction with DSD Employee Development. The participants attended classes held at the Van Nuys plant, under the auspices of Litton's Educational Reimbursement Program.

"DSD offers three quarters of work per year because of the summer vacation period," said Lyle Langston, manager of DSD Employee Development. "It took two and one-half years to complete the program and many after-work hours of study," he said.

The program consisted of a minimum of eight courses of study.

Four classes required in

the program were: The introduction to business organization and management, which outlined the policies and methods of organization in business enterprises as well as the functional components of production finance, marketing, personnel, accounting; behavioral science foundations, the application of these concepts to management; business economics, a course delineating the effort of enterprise to secure profits, the nature of demand for its products, cost and production, as well as the allocation of resources through competition; introduction to information management, which outlined the techniques of fact gathering and analysis.

Elective courses of which four were required included: organization management theory; elements of government contract administration; legal analysis for busi-

ness managers; cost effectiveness and control; technical management process and business finance.

The Business Management Program will be offered again in September with a revised curriculum. For information regarding enrollment, contact Lyle Langston, Van Nuys Employee Development, X2751. Lyle is a member of the Industry Advisory Committee of the Business Management Program for technical and other middle management personnel at UCLA and attends regular meetings for curriculum review to assure that DSD is up to date on the activities occurring at UCLA.

Thanks Expressed To Dr. Alvin Miller

In a letter addressed to Dr. N. A. Begovich, DSD president, M. A. Melkanoff, chairman, Computer Science Department, UCLA, expressed appreciation to Litton for permitting Dr. Alvin Miller to teach as a part-time lecturer during the past year.

Dr. Miller, member senior technical staff, DSD, taught Logic Design of Digital Nets and also Information Processing Systems.

In his letter, Mr. Melkanoff said, "In all cases, student's response has been overwhelmingly in his favor and the Department of Computer Science considers itself fortunate to have access to such instructors as Dr. Miller

(Continued on Page 16)

Schedule of New Courses

Registration for on-site UCLA Extension Classes for Fall Quarter '72 will commence in the Employee Development Office, Bldg. 43, August 28 and close September 8. (Fee \$70.00, check or BankAmericard.)

Classes will begin the week of September 20—X491 Survey of Business Organization & Management (Wednesdays) for Business Management Certificate, and X126C Systems Programming (Mondays) for Computer Sciences Certificate from 6 to 9 p.m. in the Training Room, front of Bldg. 47. Phone ext. 2751 for information.

NEWS & OPINION

Published by

Employee Communications

Dept. 531 MS 43-23 781-8211-X2545

Editor.....Dixie Hulette

Published for the employees of Data Systems Division, an Equal Opportunity Employer. Next issue: Sept. 18, 1972.

TDS Integration and Testing Successful

A major LHA programming milestone was achieved when representatives of LSS/C and Fleet Computer Programming Center, Pacific, accepted Tactical Data Systems, Integration Certification Test (ICT) Step 6.

This act marked the successful integration and testing of 70% of the total Tactical Data System (TDS) computer program. It is the first operational program to be used to support testing at the Land Based Test Facility (LBTF) in Mississippi.

Developed under the direction of D. P. Allman, TDS section manager, it utilizes a new executive concept, a new compiler and a new computer. The computer is an AN/UYK-7 with 163,840 words (32 bits each).

The production and integration of this program has utilized three separate groups within the TDS section. Integration group one,

composed of Larry Hazard, Pat Janssen and Mayer Margolis, has been responsible for the basic functions of the program: Display, Tracking and Ship's Navigation.

Integration group two includes Wayne Coomer, Len Thomsen and Dick Stierley. This group has had the responsibility for the Aircraft and Weapons Control function and the Data Link functions.

Following integration and testing of the program, some design changes were made in the program. Champe Slaten and Henry Holland were responsible for implementing these changes, along with documentation updates.

Although the burden of integration falls upon the TDS programmers, their work would be much more difficult without support from other areas. Marcia Mengel has provided sup-

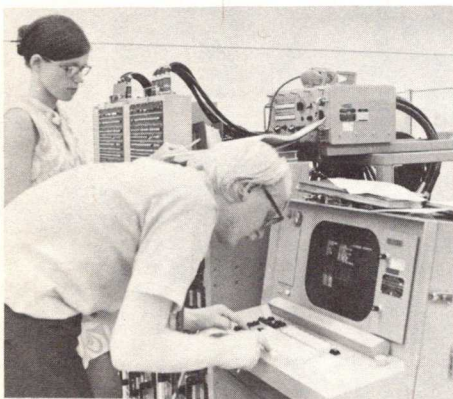
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Margot Harris, Anne Stark, Dick Romer and Ron Davidson



Larry Hazard and Denny Allman—Missile Fire Control System and AN/UYA-4 display console.

Pat Janssen and Len Thomsen at AN/UYK-7



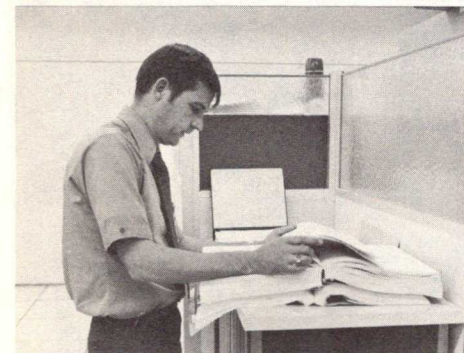
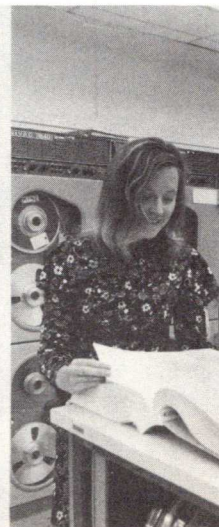
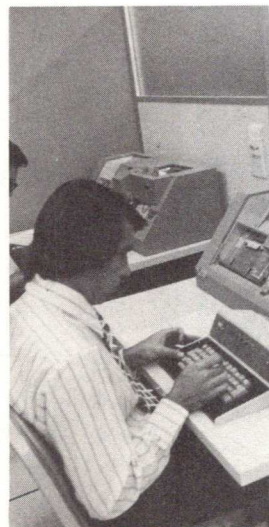
Wayne Coomer with AN/USQ-59



Hank Holland at Keypunch

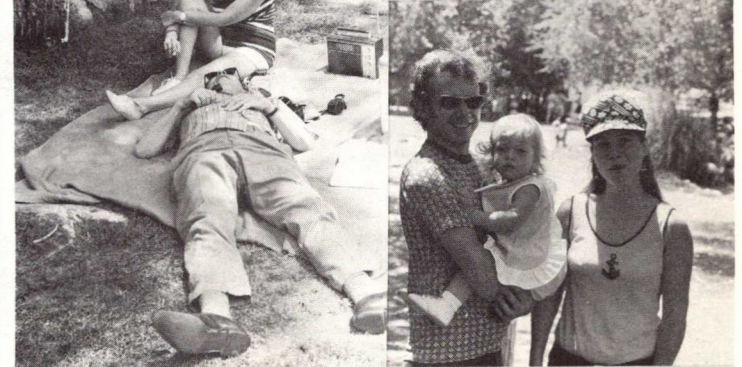
Marcia Mengel with 1540 tape unit.

Champe Slaten at 1532 I/O console



Dick Stierley with listing

Annual Family Fete – A Picnic



Some of the over 2100 employees who enjoyed the annual Litton picnic are shown in the pictures. We couldn't catch all the activity, but families were able to do their "own thing" with game booths, contests, sports, swimming, the giant slide, pony rides, prizes, and best of all, lots of picnic-type food.

Expert bean guesser was Pat Quinn who won a Fondue pot. Lots of door prizes were distributed to lucky people. And the Flying Club gave ten one-hour flights for two in a drawing.



Directorate Staff Changes



Chet Koski

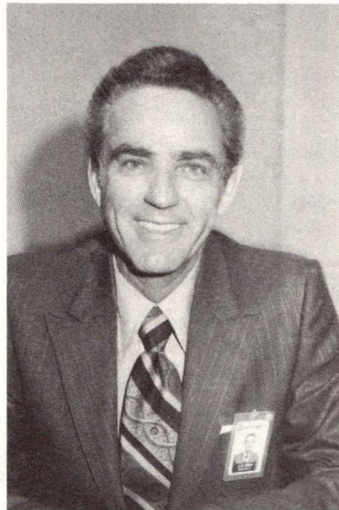
Operations announces two changes in its directorate. Chet M. Koski has been promoted to director of Manufacturing Engineering, and Jim Owen has joined the staff as director, Operations Planning and Control.

A DSD employee since 1967, Chet most recently held the title of manager, Manufacturing Engineering which included Manufacturing Engineering, Tool Engineering, Advanced Manufacturing Engineering and Operations Project Engineering. Chet was first employed at DSD as mechanical project engineer in Computer Design Directorate; he then advanced to technical program manager, ATDS Program Office.

Prior to his employment at Litton, he worked for Aerojet General Corporation, Oceanic Products Division as Engineering manager; General Precision, Librascope; Sperry Utah Engineering Lab; Sundstrand Turbo, and Oldsmobile Division of GMC. He also served in the U.S. Army Signal Corps.

Chet is diversified in his outside hobbies. He enjoys gourmet cooking, collecting wines, oil painting and visiting art exhibits and galleries, the beach and ocean fishing, and folk and rock music.

As director, Operations Planning and Control, Jim Owen will be responsible for Operations Project Offices, Proposal Coordination, Operations Policy and Procedures, Division of Labor Control, Operations Schedule Coordination, Operations Budget/Cost Control Coordination, Operations Change Board, EDP Systems Effectiveness, Operations Program Plan Preparation, Interfacility Product Transfer Planning and Control, Estimating/Pricing Coordination.



Jim Owen

Although Jim had worked at Guidance and Control for six years, and was general manager of the Lubbock, Texas, facility and subsequently director of Manufacturing at Woodland Hills, he came to DSD directly from Products Research and Chemical Corp. in Burbank where he was corporate vice president of Manufacturing for two years.

Prior to this he was employed at Lockheed for 23 years and for 16 of those years with their Aircraft Division. He also was assigned to their Missile Division in Sunnyvale, Calif., and Electronics Company in New Jersey.

Jim is a graduate of Los Angeles City College where

his major was electrical engineering. He attended graduate school of business administration at the University of California at Berkeley.

Ambitious in his hobbies, Jim likes woodworking and building furniture, but has carried it to the extreme of building his own home.

Two DSD directors have received new assignments and responsibilities. They are James P. Wrzesinski and Irvin I. Korn.

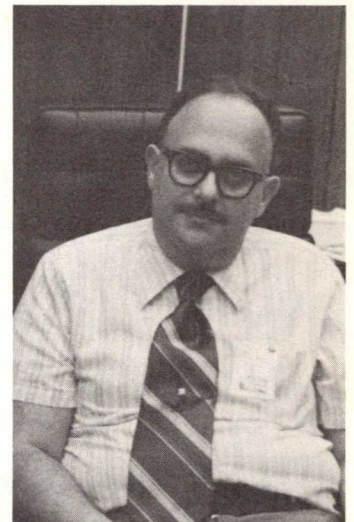


Jim Wrzesinski

Jim has been appointed director, International Programs, and will report to G. F. Romano, vice president, Advanced Programs. He formerly served as director of Systems Applications and Engineering and has been employed by Litton since 1968.

Prior to this he worked at Hughes Aircraft-Space Systems for approximately 14 years.

Jim is a graduate of UCLA and holds a MSEE and a MBA degree.



Irvin Korn

New director of the Systems Development Laboratory which combines the functions of the former Systems Applications and Systems Effectiveness Laboratories is Irvin Korn. In this position, Irv will report to J. P. Harding, vice president, Engineering. He has been with DSD for 15 years.

Irv has been in the computer field since 1952 when he worked on the EDVAC and DROVAC computers at the Ballistic Research Lab at Aberdeen Proving Grounds.

He attended City College in New York where he received his undergraduate degree. Educational endeavors also include courses at the University of Delaware, Columbia University, University of Southern California and UCLA. He has a bachelor's degree in electrical engineering and is a graduate of the two year executive program in business management at UCLA.

Sympathy Expressed

Everyone at Data Systems Division extends deepest sympathy to the widow of William Eugene Webb.

Gene passed away August 8th after an illness of several months. He had been a program manager in Data Systems' Advanced Business Development Directorate since April of 1969.

He is survived by his widow, Donna, of Los Angeles.

Shipyards Consolidate Operations In Pascagoula

Operations at the Litton Industries Pascagoula shipbuilding facilities have been consolidated and this action will allow for the most flexible and efficient use of our total shipbuilding capability.

Announcement was made by Fred W. O'Green, Litton executive vice president and group executive for Defense and Marine Systems.

The company's Pascagoula operations include 168 acres of conventional and nuclear submarine construction and overhaul facilities and a 611-acre site specializing in modular assembly and series production of surface ships.

Heading the unified Ingalls Shipbuilding division as president is Litton vice president Ned J. Marandino. Since 1969, Marandino has been head of Ingalls Nuclear Shipbuilding, during which time INS has built and delivered 17 ships to the U.S. Navy and Merchant Marine Fleet. Under Marandino's management, INS entered the specialized field of nuclear submarine overhaul and has since completed overhaul work on four submarines and received contracts for the overhaul of three others.

Total Litton employment at Pascagoula is 17,600 making it the second largest shipyard in the nation. Employment here is expected to increase to 19,300 by August 1973.

Current contracts call for the construction of eight containerships for the U.S. Merchant Marine Fleet and 39 ships for the U.S. Navy, including three nuclear powered submarines; one ammunition ship; five general-purpose amphibious assault ships (LHAs); and 30

DD-963 class destroyers, 16 of which have been funded. Current delivery schedules extend through 1978.

Ingalls has been building U.S. Navy and commercial ships since 1938.

"Now that our new modular shipbuilding complex is being brought into full production, the time has come to realize the total efficiencies available from the coordinated use of both of our shipbuilding capabilities," O'Green said.

TDS Integration And Testing

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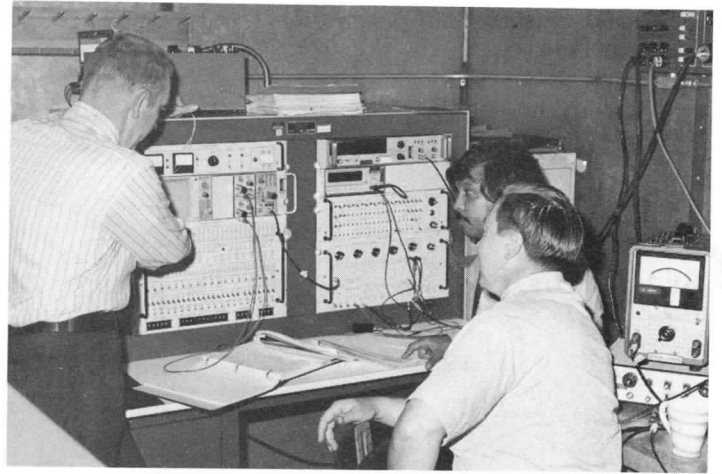
port for the Simulation program.

All of the personnel in the Executive section, composed of Ron Davidson, Margot Harris, John Rogers, Dick Romer, Anne Stark and Hank Tsukasa helped with integration problems.

In order to assure compliance with all requirements, an objective third-party examination of the program was done. This was the responsibility of the Quality Assurance group composed of Gary Fender, Bob Daymo and "Buck" Bailey. This group documented any discrepancies for later correction by the programming groups.

The TDS program which is similar to existing Naval Tactical Data Systems (NTDS) programs, will ultimately share the 2-CPU AN/UYK-7 computer with a very large Management Information System computer program. The two programs, using a common executive, will comprise the Integrated Tactical Amphibious Warfare Data System (ITAWDS) for LHA.

This program provides for



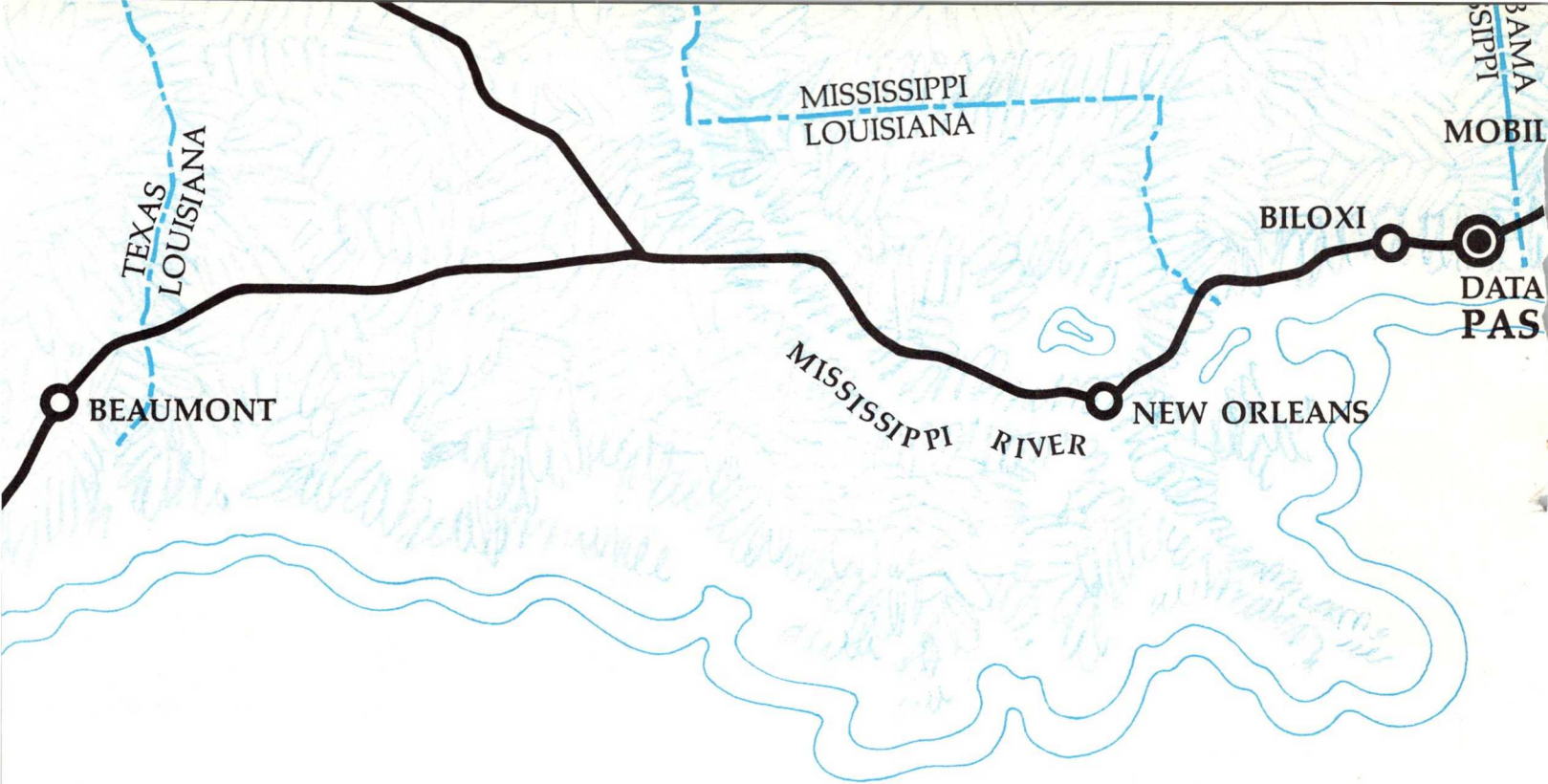
AN/ASW-27B (TWO-WAY DATA LINK)—In accordance with the U.S. Navy contract, a Litton field representative was made available to Grumman to give instruction on test equipment used to checkout AN/ASW-27B Data Converter. Pictured are Larry Ward, Grumman Training; Henry Striegel, Grumman Engineering Support, and Marty Martinez, Litton field representative.

tracking of air and surface craft, control and management of small boats, aircraft and weapons, plus both force and ownship self defense. It also provides for a direct interface with a modern highly efficient five-inch gunfire control system and an interface with a self-defense surface-to-air missile system.

"The delivery of this program," according to Bill Truitt, manager of LHA Software Design and Development, "has been made possible by the total involvement of everyone concerned." He says, "Because of this involvement, it is anticipated that future deliveries of LHA programs will be equally successful."



GREET OUR NEW NURSE—Nancy Haapala, who is located in the back of Bldg. 40, checks John Moisan's blood pressure, which at the moment should be high. Nancy comes to DSD from Valley Vista Convalescent Hospital and ITT. Nancy and her husband, Charles live in Simi Valley with their three sons, Bruce, Tim and Mark.



Litton puts Pascagoula on the map

Litton is becoming well-known in the Southern Gulf Coast and Pascagoula, Mississippi.

The main reason for both Litton and Pascagoula earning its growing reputation is the Litton Ingalls Shipbuilding facility. Less known, but of more interest to DSDers, is the growing reputation of the Land Based Test Facility (LBTF) which is owned and operated by Data Systems Division on the grounds of the shipyard.

LBTF is a unique development for a shipyard. This facility is used to minimize the integration and checkout problems of electronic equipment after they are installed in the LHA and DD ships.

With the LBTF, integration of ships systems command and control hardware and computer software will be verified to a high degree of confidence prior to installation on the ships.

"Litton will soon have the most in-depth systems and shipbuilding operation in the nation," according to Roger St. Pierre, manager, Integration Engineering Program Office. The LBTF duplicates shipboard complexity to a large extent and enables the electronics units to be integrated into the ships in a timely and economical manner.

John Stevens, program manager, predicts, "In four or five years Litton's capabilities will be far out front of any shipbuilding yard in the world."

There are approximately 90 DSD employees based in Pascagoula at present. Some of the opinions of personnel working there include that of engineer George Heiser. "The concept of LBTF and the modular construction of Litton Ingalls Shipbuilding has proven very interesting. It's challenging getting the two divisions (DSD and Lit-

ton Ingalls Shipbuilding) working smoothly."

Roger St. Pierre says, "I can remove myself from the paperwork and get into the physical job. I'm proud of what we're doing here."

Larry Issak, who is in charge of the test floor lab, finds work in the LBTF more of a challenge because, "I physically can see everything happening. I see it in the lab and then can follow the systems out into the shipyard."

And L. G. "Andy" Anderson, program office, often spends his lunch hour walking through the shipyard.

Most DSD personnel in the LBTF have been transferred from California and few had heard of or visited Pascagoula before learning of their transfer. Families were sent down there to see the area, find homes and make arrangements for the move prior to transfer.

Pascagoula, Miss., is ap-

proximately 40 miles from Mobile, Ala.; 27 miles from Biloxi, Miss., and 120 miles from New Orleans.

DSD personnel working at the LBTF find they have a choice of areas in which to live. Some DSDers have selected homes in the communities of Mobile, Gautier, Ocean Springs, Biloxi, Mosspoint and Van Cleave. Many of the residential areas border the Gulf of Mexico or bayous. Bordering the highways between the towns are forests of pine trees, and everywhere it's green and grassy. Pascagoula's other industry is a paper mill.

Winters are mild in this part of the country, and the summers are typical of Caribbean weather with only a slight temperature drop from day to night. "An advantage," according to John Stevens, "is the swimming is good night and day, and I can go for a dip in the bayou back of my home after



SYSTEMS
LAGOULA

GULF of MEXICO

up

work.”

LBTf employees often take weekend trips along the Louisiana coast and the 60-miles of Gulf Coast beaches are said to look like snow or “dunes of sugar.” A chain of islands starting with Deer Island off Biloxi run a short distance off the coast. Many families sail or motor to Dolphin, Cat, Pettiboy, Horn and Ship Islands on their weekends.

Roger St. Pierre and his family have been here the longest—two years. He says, “I find it a nice place to relax, I like the outdoors right at my doorstep with waterskiing and fishing (both ocean and fresh water) available.” In Pascagoula, Roger has a sail boat in the channel at his back door and also a power boat, “something I could never afford in California.” His custom-built home is brick, like most new homes in Mississippi.

Sailing is good, according to Roger and the fishing is excellent. Speckled trout run up to three pounds. In the Spring and early Summer, the sport fishing produces delicious Ling (Cabia) 45 to 60 pounds, two types of Mackerel (king averaging 30 pounds and Spanish, about five pounds), and many other fish and eatables from the waters.

Some DSD wives have become quite proficient and enthusiastic fishermen since moving here. Andy Anderson said his wife was probably sitting on the pier fishing while he was at work. For those who don’t like to fish, but love seafood, the restaurants serve it prepared in the best Southern tradition.

Hunting enthusiasts can hunt for small game such as squirrels and turkey or participate in the deer season. Good golf courses are located in Biloxi.

DSD wives say they most miss the large shopping centers in California and the variety of merchandise they had to choose from there. Don Deal, engineer, says he feels food prices are higher and it’s inconvenient to shop.

However, Biloxi has a beautiful 73-store air-conditioned mall. Mobile has several shopping centers, and many families travel to New Orleans once or twice a month to shop. It’s a three-hour trip to New Orleans and four hours to Northwest Florida.

Since Frank Turner’s wife makes most of their clothes and is presently working on drapes for their new house, they haven’t noticed the shopping difficulties. He says it’s a great place for a “do-it-yourselfer.”

On weekends Andy Anderson and his wife take their motor home and go camping. They say there are more

places to camp a shorter distance from home than in California.

Families with children have found the schools are crowded due to the influx of new people in the area and facilities tend to be older. Don Deal, engineer, says he feels the schools encourage better study habits, however, because the children have to work. And he believes the teachers are well-qualified.

Television is as popular in the South as in California, and residents can choose from eight channels and one educational station.

One of the biggest pluses, most families agree, is the friendliness of the people. “They go out of their way for you,” said George Heiser. “When I needed a part in the hardware store they didn’t have, they called to find out who had one.”

Most transferred DSDers
Continued on Page 11

Roger St. Pierre (top and at left) has a 28-foot trimaran sail boat behind his house, and spends many weekends sailing to islands in the Gulf. Roger was the first of the DSD personnel to locate in Mississippi. (Far right) When Andy Anderson told his wife they were being transferred to Pascagoula she said, "We've been in this house three years; it's time to move again." In the 25 years they've been married, they have had 26 addresses. As a Marine, Andy was assigned to the MTDS Program, and although he's worked for three years with DSD, he figures he's really been at Litton ten years.

Frank Turner (left) lived 12 years in California, and has spent ten of those years with DSD at Canoga Park, Van Nuys and Culver City. He finds the Mississippi environment like Japan. He and his family live in Gautier which is five miles west of Pascagoula. (Center) Norm Schauwecker, manager of Configuration and Data Management, was formerly with the DD program in Culver City. He finds the South relaxing, and LBTF a good place to work. He feels it has developed a "small company" atmosphere which radiates a nice type of camaraderie. (Far right) Frank Cuccias is LBTF director.

Will Kennedy (left) is a senior engineer whose home is New Orleans. He worked for Ingalls Ship Yard, East Bank, before joining DSD. He also served at Keester Air Force Base, Biloxi, as a radar instructor. He's one of the few men hired from the area and not from California. (Center) After three years in California, Jim Raymond, engineer, is happy to be back home again. He's been with DSD for three-and-a-half years. (Right) George Heiser, engineer, likes Mississippi better than Wisconsin because it's warmer. He and his wife are taking sailing lessons.

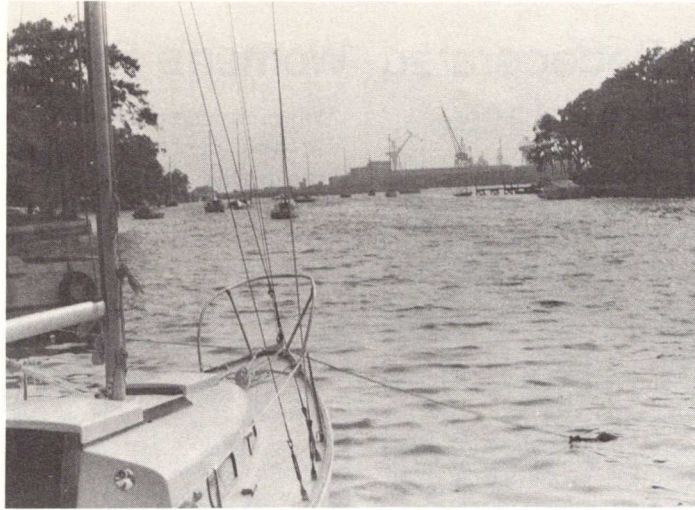
Assigned as director of Industrial Relations for the LBTF, Aris Modon is anxious to move to Biloxi permanently. (Center) Don Deal, engineer, says he finds food prices higher, and shopping limited. (At right) These two native Californians now live in a lovely brick home beside a bayou. They say they don't miss California. John Stevens and his wife, shown with small daughter, claim "We don't mind the humidity; we love the climate and the people. We want to retire here."

Mike Gerlach is administrative associate to director Frank Cuccias. Mike finds, "DSD's a great place to work." He was formerly with LSS and is a native of this area. (Center, bottom row) Larry Issak and his wife have ten acres and five horses in Van Cleave. Larry is a ten-year DSD employee, and his wife also was with DSD for ten years as a secretary prior to their transfer.

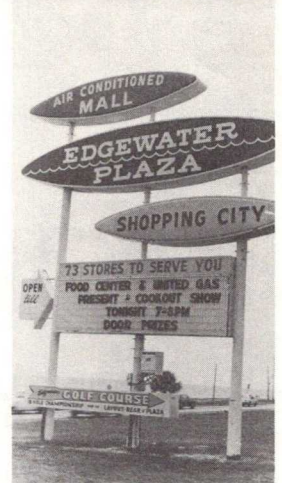


and their families find it more relaxing in the South and a slower pace.

Residents of Southern Mississippi and Alabama seem to feel that Litton Ingalls Shipbuilding is good for their state. They like the influences that Litton and its employees are bringing into the area. Advantages such as better wages and more employment, which also will encourage better schools and more shopping centers.



Marina view of the Litton Ingalls Ship Yard



Restaurants & shopping



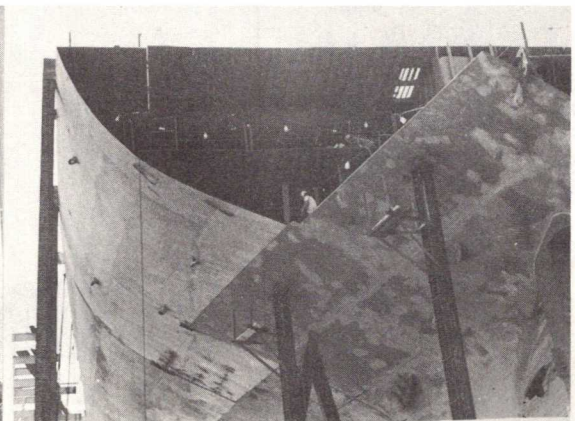
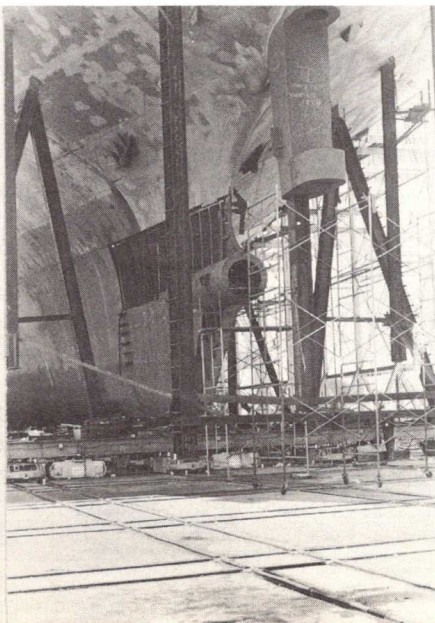
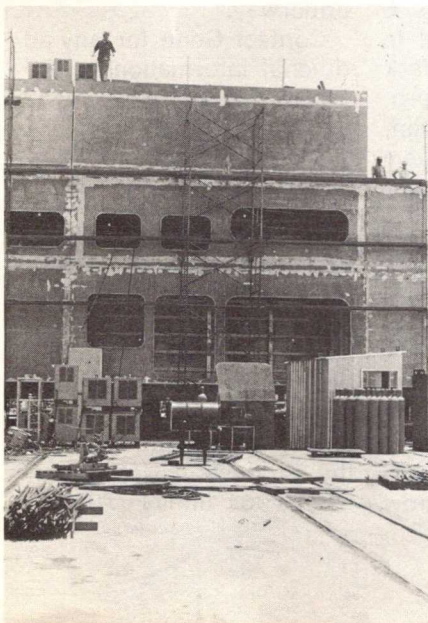
Fishing is good here



White beaches.



Attractive offices at LBTF



(At left) This superstructure will house the ship's data systems. Litton ship during assembly.

Lubbock's Cafeteria Redecorated Into Comfortable Showplace



Our Lubbock office celebrated the opening of their newly decorated cafeteria with a special luncheon for all employees. The cafeteria's decor is Spanish, and it is complimented with warm colors and special mood lighting.



B. G. Voddon, general manager, poses with flowers purchased by employees who wished to express their appreciation for the lovely new facility.

Women's Softball Season Ends

"Win one, lose one".

At the conclusion of the Women's Softball season, three teams remained in competition. A playoff was held for the Rebels, league first place team, against the All-Stars. The All-Stars won by defeating the Rebels in two out of three games.



The Rebels team included back row, from left—Gay Seitz, Florine Henton, Sue Brennan, Connie Silverman, Sam Halpern (manager) and Sandie Powe, (front row, from left) Roseann Hindman, Bonnie Berney, Ruth Owens, Janet Silverman and Jewell Blue. Not pictured is Edye Allen.



Members of the All-Stars team were (second row, from left) Kris Marks, Jan Eversole, Karen Smith and Maggie Dorman, (front row) Pat Ricciardelli, Kim Jacobs, Carm Hornstein and Ellen Betts. Not shown: Pam Maccinile, Carolyn Smith, Sharon Train, Diane Wilkins.

Soccer Club Invites Youth To Join

Boys and girls, ages 6 through 18, are invited to take part in the Balboa Park Soccer Club's summer program of soccer instruction, according to Gene Goodwein of DSD. Gene is counselor for the group.

Clinics are being held every Tuesday and Thursday evenings from six to eight p.m. at Balboa Park (north of the baseball diamonds). Registration of the 1972-73 soccer season, part of the West Valley Youth Soccer League, is now

underway.

Contact Gene for any additional information at 780-2415.

Hole-In-One

Retired Litton employee Elizabeth (Betty) Thieman of North Hollywood shot her first hole-in-one July 16 on the third hole at the Studio City Golf Course.

Mrs. Thieman, who has been a member of the DSD Women's Golf Club for 6 years, worked at Litton in the production department from 1961 until 1970.

Service Awards

FIVE YEARS

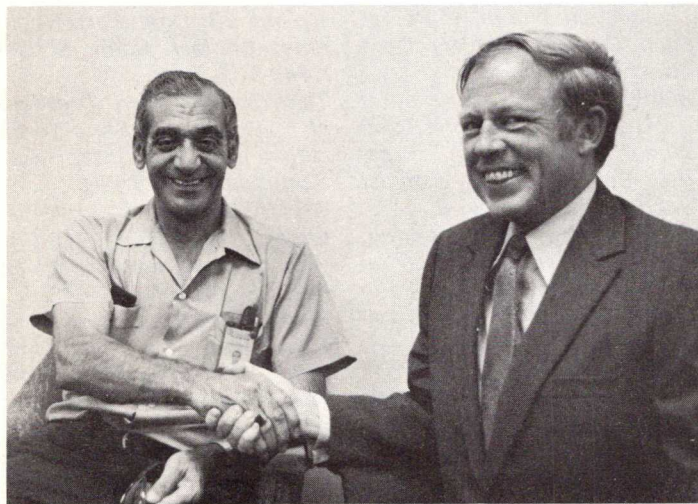
Arthur Argott
 Jack Arnspiger
 Sydney Fish
 Carol Koenig
 Margaret Koerner
 Stanley Kubert
 Ruth Labgold
 Edward Legler
 Ray Mandry Jr.
 George McCarthy
 Nicholas Rallis
 Martin Rappaport
 Hugh Roberts
 Dione Rothged
 John Thorlsen
 Rose Tribich
 Raymond Ward
 Harry Williams

TEN YEARS

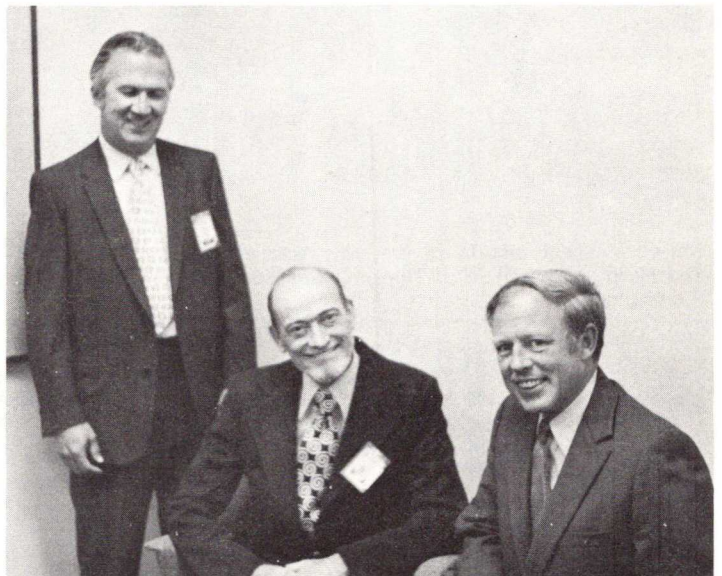
Maureen Aragon
 Herman Bever
 David Campbell
 Dona Diamond
 Rudolph Field
 Glenn Henderson
 Larry Isaak
 Paul Jennings
 Richard Johnson
 Benny Martinez
 Joseph McDermott
 David McRobie
 Ed Peyronnin
 Gilbert Polsky
 Robert Schnitker
 Glenn Smith
 Marylynn Teeters
 Wilfred Yoshimasu



CONGRATULATIONS—Irv Korn, director, Systems Development Lab, and Jack Harding, vice president, were on hand to give a pin to Daniel K. West (center), engineer, Test and Evaluation, for his 15-year anniversary.



THANKS—Joseph N. Territo (at left) was congratulated by Jack Harding, vice president, when he received his 15-year pin.



SPECIAL OCCASION—John Murphy (standing), supervisor, was present to add his best wishes to Donald W. Svenson, engineer, Systems Analysis, for 15 years of service. Jack Harding, vice president, presented a pin to John.



10 YEAR DSDER RETIRES — J. Paul Whistler, Power Systems Department, was guest of honor at a luncheon to celebrate his retirement. Those present included, at head table, (from left) Tom Collins, supervisor of Power Systems Group; Lee Perkins, manager Power Systems; Paul; Mrs. Jane Whistler; Bill Ballard, manager Memory and Power Systems Department; and Clet Isbell, director Electronic Engineering.

Photo Trophies Awarded

Focusing on good camera techniques and creative photography, judges selected the winners of the Litton Camera Club's Annual Photo Contest.

Competition was stiff and following the contest many of the entries were taken to California State College at Northridge to illustrate a lecture by Earl Thiesen. Earl, former LOOK Magazine photographer, is a teacher and consultant to the Litton Cam-

era Club. He, along with Phil Tabbi and J. Siegel were judges.

The Camera Club is inviting DSDers to join. They have beginning and advanced groups available. An outstanding program in the techniques of the camera and dark room has been arranged for the coming year.

The Camera Club meets the first Wednesday of each month at 6:30 p.m. in the Recreation Cottage.



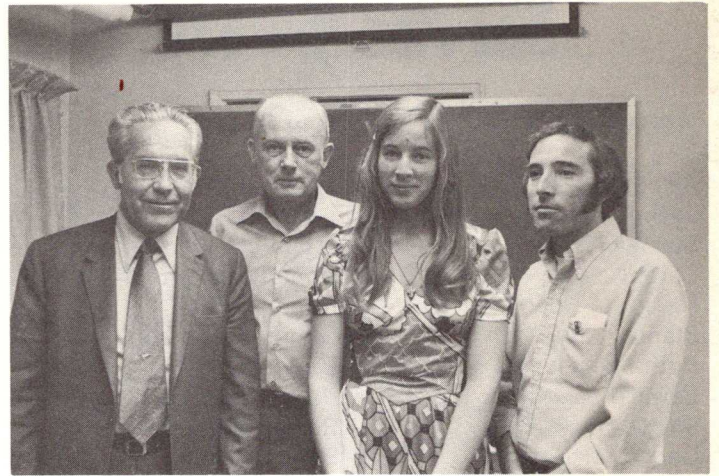
Choice for best picture of the year was of "two in a teacup" by Ted Harper (at left). Earl Thiesen, judge and instructor, presented the trophies.



The winners in the annual photo contest were (from left) first place—Ted Harper; third—Marj Early, and second place—Joe Early. Marj's photo was the money seen in the display and Joe's was the sweet roll, color photo.



Honored as the members receiving the most awards during the year were Ted Harper with another first, Joe Early in second place and Phil Pinkham third.



CAMERA CLUB OFFICERS—New officers for the coming year were announced during a recent meeting. They are (from left), Frank Rice, president; Joe Early, vice president; Shela Early, secretary; and Larry Johnson, treasurer.

CALENDAR

ART GUILD — Meets every Thursday at 7 p.m. in Recreation Cottage. Contact Dave Evans X4172.

BOWLING—Every Thursday at 6:30 p.m. at the Encino Bowl. Winter sign-ups start Thursday, September 14. Contact John Fornadley X2078.

COIN CLUB—Next meeting, Sunday, September 10 at 2:30 p.m. in the Recreation Cottage. Contact Joe Dougherty X2580.

DSD ORCHESTRA — Plays Tuesday evenings at 6:15 in the Recreation Cottage. Contact Elizabeth Bergal X3294 WH or Arnie Kahlenberg X2479 WH.

GEMCRAFTERS—Next meeting, Wednesday, September 13 at 7:30 p.m. in Bldg. 32 conference room. Contact Chuck Geyer X2483 or X4274.

MEN'S GOLF — Next tournament September 9 at Soule Park, Ojai. Contact John Muriillo X4020.

GUITAR CLUB—Meets Thursdays and Fridays at noon in the Recreation Cottage. Contact Marge Brittain X2094.

HAM RADIO CLUB — Meets Thursdays at 7:30 p.m. in Bldg. 32. Contact Herb Goodman X3119 WH.

HANDBALL CLUB — Plays every Thursday from 6-8 p.m. at Cal State Northridge. Contact Ron Barnholtz X4174.

ROD & REEL—Next trip September 23 from Port Hueneme. Contact Norm Scheer X4415.

TENNIS—Plays on Tuesdays at 7 p.m. at Cal State Northridge courts. Contact Ron Schonfeld X4159 WH.

WRANGLERS — Next ride Saturday, August 26. Call in your reservations. Contact Ed Peterek X4453 or X4451.

FLYING CLUB—Next meeting September 5 at 5:45 p.m. Bldg 47 training room. Contact Joyce Allmandinger, X3437 WH.

TOASTMASTERS — Meets first and third Tuesday of each month at 6:30 p.m. Contact Fred Appleton X4169 WH.

GUN CLUB—Trap/Skeet. August 25 Seniors at Marquardt Range, 7 p.m., August 26—Big Bore, Juniper Tree, 9 a.m.; September 8—Seniors, Marquardt, 7 p.m.; Sept. 9—Trap, Calabasas, 9 a.m.; Sept. 22 — Seniors, Marquardt, 7 p.m., Sept. 23 — Big Bore, Juniper Tree 9 a.m., Sept. 29—Juniors, first shoot of the season, Marquardt, 7 p.m. Contact Bruce Kamba X4357.

STOCK QUOTE

Employees paid	\$11.02
Company Paid	2.76
Average price per share for July 1972	\$13.78

FOR SALE

BUICK SPECIAL — '63 sta wgn, air, auto, clean, xlnl cond. \$450. Ray 349-2650.

FORD—'62 sta wgn, transp car, radio, auto, 2 new tires, new battery, good motor, orig owner. Only \$175. 346-6066.

VOLVO—'68 122-S sedan, 2 dr, radio, heater, 10-miles, 4-spd, stick, priced under Blue Bk. (805) 526-0528.

FIAT—'70 850 Spyder conv, new disc brakes, clutch, tune-up, rear tires, good cond, dk grn. \$1300. (Below Blue Book) 780-5598.

CHEVROLET—'68 Impala, 9 pass wgn, xlnl cond, air, pwr str/brakes, tinted glass, 10-miles. \$1575 (mid-Blue Book). J. Earle 888-9212 after 6 p.m.

VW BUG — '65, 75,000 miles, 1500 cc engine, 30,000 mi, showrm cond, good tires. \$750. 887-2031.

DATSUN—'69 510 wagon, air, roof rack, tape deck, trailer hitch, 45,000 mi, orig owner, 4 speed, xlnl cond. \$1295. 885-8865 eves.

MUSTANG—'69 Mark I (351 cu in), air, am/fm stereo, auto, pwr str/brakes (disc). Must see to appreciate. \$2095 firm. E. Oksas (805) 495-5655.

CHEVROLET—'66 Caprice, 2 dr, vinyl hardtop, r/h, air, pwr str/brakes, 10-miles, 396 V-8. 883-2495 eves.

HONDA—'72 red, 350 SL, street or dirt, only 3000 mi, runs great, looks good. \$650. Randy 997-0579 after 6.

HODAKA—dirt bike, good cond. \$200. 883-2495 eves.

AIR CONDITIONER — Whirlpool, 11,000 BTU, like new, paid \$250 new, asking \$150. 894-1552.

PUPS—AKC Reg. Doberman Pinscher, blk & tan and red & tan, champ stock, male & female. 656-4016 after 6.

WASHER & DRYER — Westinghouse (gas dryer), excellent buy, very good cond. Both for \$125. 368-4129 eves & wknds.

KAYAK—New Hansen fibreglass surf & fresh water, fully equipd, German paddles, seats, etc. Cost \$300, sell \$159. Ask for Glen 345-2233.

COLLIES—Reg. AKC champ pedigree, beautiful color (sable & white) whelped 6/30/72, all shots & papers. \$150 ea. J. Earle 888-9212.

BABY ITEMS — Crib & sheets (white), baby dresser (white), car seat, folding dr gate, net crib restraint, good cond. All \$40. 887-1114.

CAMPER SHELL—For Chevy pick-up truck. \$300 or best offer. 993-0909.

SKI BOAT—'71 Hondo, 17' 10" flatbtm, drag/ski boat, '72 454 cu in Chev eng, 2 Holley 660 carburetors, Wienand tunnel ram manifold, Casale V-drive, all S.S. adj cavitation plate, only 30 hrs on motor, runs perfectly, white w/red & blue striping. Over \$7500. invested, also incl Mr. Ed double-axle tandem trailer w/ U.S. mag whls, beautiful boat, make offer. 894-1460 after 6/wknds.

BOAT—'70 16' Sidewinder, 105 Chrysler OB w/OJ prop, all safety equipmt incl, American trailer, xlnl cond. \$2500. 881-2884.

TRAILER — Luggage 4x5, metal w/ weatherproof hinged cover. New \$240, sell for \$85. 887-2031.

TRAILER HITCH—For VW \$15. 887-2031.

BIKE — Raleigh girl's 24", 3-speed. \$25. 474-7784.

CRYSTAL—Early American, Coin Pattern, new, 12 sherbets @ \$2.00 ea, 12 goblets @ \$3.00 ea. 474-7784.

MISC—Old steamship trunk—5 drwrs, hangers & shoe comp, keys. \$35; R-C Transmitter-receiver for model plane \$35; scale, comb baby/household \$10; elec motor with belt drive, 115 vac, 4.4 AMP, HP ¼, RPM 1725, new \$20; pocket trans radio, Philco am/fm w/carry case \$10; roller skates up to 7 years \$3; Himalayan, CFA, ped, breeding quality, proven feml, bluept, good w/children. \$50. 887-2031.

SLIDE PROJECTOR—Argus 300, 35mm, cartridge loading, removable indiv slide inserts, clear lens, sharp focus. \$30. 346-2230.

NIKON—2 S, 35mm camera outfit, current market \$450 used. Incl Nikon 2 S body; 50mm fl.4, 35mm f2.5, 135mm f3.5, 85mm f2.0 lens. Fitted carry case, light meter, Nikon flash, variable viewfinder, compl \$350. 346-2230.

WILSON WOODS—1, 2, 3, 4 steel shafts, leather grips, top cond. \$25. 346-2230.

MARLBORO HOME—3 + family, 2 ba, medallion kitchen, built-ins incl washer & dryer, new roof & driveway, new paint inside/out, refrig air & evap cooler, cathedral beam ceilings, lge bdrms, pullman marble bas, wall size mirrors, fenced, shady pool-size yard (60-135), walk to schools, many xtras. Granada Hills. Asking \$33,750, terms avail. 363-4404.

HOUSE—3 bdrm, 2 ½, lovely trees, new carpets, drapes, big kitchen, nr Guidance, Topanga Plaza & schools. \$28,500. 340-7802 btwn 9 am & 9 pm.

POKER TABLE—Samsonite octagonal, compartmented, felt center,

folding legs, sturdy, xlnl cond. \$30. 346-2230.

FOR RENT

CONDOMINIUM—3 bdrm studio, Mammoth Lakes, slps 12. For info & reserv (213) 785-0979 or (714) 837-6719.

CABIN—Crestline/Lake Gregory, 3 bdrm, all-weather, walking distance to lake & village, furn except linens. \$15 per night, \$90 per week. Al Morriss 363-8734.

CONDOMINIUM — Mammoth Lakes, 2 bdrm, 2 ba, loft, slps 14, all bedding & utensils furn, heated pool, Jacuzzi, sauna, fishing, hiking & riding nearby. Approx \$125/wk. Schwedes 345-7529.

APARTMENT—1 bdrm, No. Hollywood, furnished, close shopping & park. \$115. 761-9777.

CHALET — Crestline/Lake Gregory/San Moritz area, slps 8, comp furn, \$16/day, \$100/wk. 886-0739.

MISCELLANEOUS

FREE—puppy, black male, 6 mo, all shots, half cocker but short hair, good disposition. 363-5496.

PAINTING — Exterior house, (working way thru school), estimates courteously given. 888-1328.

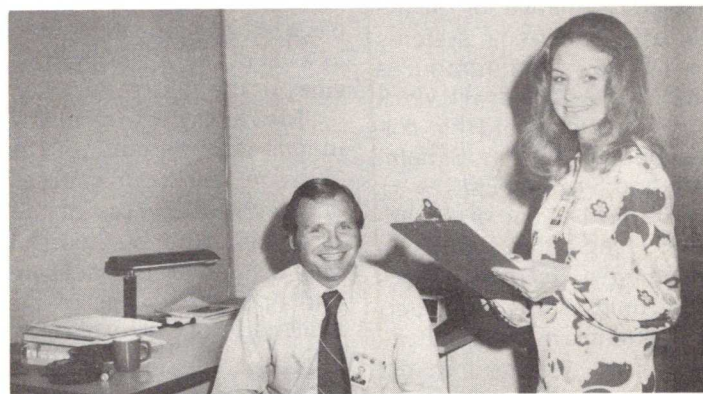
SUPPLEMENTAL INCOME — Unusual financial opportunity in off-hour sales. 894-1552.

CHILD CARE—In my home. Responsible, clean w/fenced yard, full or part time, wk days only. 892-0653.

WANTED — Old radios & radio parts. Bob Malinzak 923-0526 or Bill Russell 989-4086.

WANTED—Used washer and gas dryer. 656-4016.

WANTED—Water cooler for bottled water; car radio for VW Bug, 6 volt; Lionel train set, American Flyer; plywood 5/8" or larger; building blocks; toboggan; b/w TV. 887-2031.



MS TIMEKEEPER—The latest addition to our Timekeeping family is, and be careful men, the lovely Karen Jack, who checks the timecard of Dick Jones, senior financial administrator, Operations Finance.

DATANNOUNCEMENTS

Ben Benitez has been appointed manager, LHA Contracts for DSD at Pascagoula, Miss. In this capacity he will report to T. J. Doherty, director, Contracts. The consolidated DSD Ships Contract activities in California will be under Andy Jeffrey, manager. Byron Deming, Joe Walker and John Willett will report to Andy.

Within Financial Services, Duane Anderson has been appointed as manager, Cost Accounting. Duane was previously supervisor, Financial Controls in Financial Planning. With the consolidation

of Timekeeping and Payroll, Joe Farris becomes supervisor of Payroll and Timekeeping. He was formerly supervisor of Timekeeping. Ron Arslan is now supervisor of Billings and Collections.

Jerome Weissman has been appointed manager, DD-963 software baseline documentation effort. He will be involved in the application of appropriate engineering resources for the Ship Operational Programs and the MK-116 Separate Procurement System.

McEachen Presents Paper to IEEE

John McEachen has been invited to present his paper "Topside EM Environment Analysis In Designing The DD-963 Class Ship" to the Greater Los Angeles Chapter of the Institute of Electrical and Electronic Engineers (IEEE). John first presented this paper in July at the International IEEE Symposium on Electromagnetic Compatibility in Chicago. It was received with considerable interest.

The paper deals with Litton's development and use of an Interference Prediction Model (IPM) for examining the performance of all the radiating electronic systems on DD-963, and introduces the state-of-the-art work done by John and his colleagues in System Simulation and Systems EMC.

The IPM is one of a number of computer simulation techniques used by John's Electronics Modeling group to simulate mathematically electronic systems. Located within the Systems Development Directorate under Irv Korn and Barry Seid, the group models and evaluates communications, radar, sonar and other systems, individually or interconnected.

Primary tasks have been equipment and antenna performance analysis in support of the DD-963, LHA and Surface Effect Shop programs. Other projects to date have involved signal processing design and software development for Moored Sonobuoy Surveillance and other USW/ASW systems, analysis of Radar/IFF returns, and IRAD work in advanced digital voice processing and channel equalization.

John says he is enthusiastic about the group's capabilities and their value to

upcoming Litton programs. He regularly gives presentations to representatives of the military services and private industry. He recently briefed Israel Ministry of Defense personnel who visited DSD after learning of our modeling techniques through Joe Fischer, manager, Systems EMC.

Thanks Expressed

(Continued from page 2)
whom we can call upon when the department is short-handed for some of its courses. Dr. Miller's deep technical background, his devotion to his students, his infectious enthusiasm are such that we believe him to be one of our best lecturers and we hope to be able to avail ourselves of his services in the future.

"Please accept again my thanks for permitting Dr. Miller to teach our courses and let me express at the same time the gratitude of the School of Engineering and Applied Science of the University of California."

Real Liger Dies



Dead this month after a long illness is Shasta, the ligress who inspired the image of Linus, the Liger, DSD's Education and Training department mascot.

In 1962 Shasta was seen in a Salt Lake City zoo by a Litton employee. Since then, DSD training posters have portrayed Linus with his

characteristic striped back and legs with a lion's mane.

Shasta, the daughter of an African lion and a Bengal tigress, was born in 1948 and had lived in Salt Lake's Hogle Zoo since 1950.

Zoo director LaMar Farnsworth attributed cause of death to arthritis, kidney malfunction and old age. (At 24 years, a liger is considered as old as a 120-year-old human.)

Survivors include Linus, the Litton Liger; his wife, Lily; and their children, Lu-Ann, Leroy and Minus. No services will be held, as the deceased will be stuffed and displayed in the University of Utah's museum of natural history.

Eight At Litton Receive Degrees

Eight Litton employees were awarded degrees by West Coast University. From the Data Systems Division, J. R. Brock and Leon Meggerson Jr. received M.S. degrees in management science, and M.S. degrees in systems engineering were conferred upon John F. Burton, Raymond A. Pyles, Edward M. Semsak and Larry D. Webster. Kjell G. Rolland of the Guidance & Control Systems Division received an M.S. in management science.

Degrees were presented at commencement exercises in Scottish Rite Auditorium, Los Angeles.

Discounts To Ice Follies

A night at the Ice Follies has been planned for all DSD employees. The date is September 17, a Sunday night, at 5 p.m. and discount prices are available.

Shipstads and Johnson's spectacular event will be held at the Forum in Inglewood. Prices are \$4.25 for adults and \$2.75 for children 16 and under.

Tickets are on sale now from your Litton representatives: In Van Nuys, Peggy Vasquez, Bldg. 43; Culver City, Bill Whitney; Woodland Hills, Anna Polkowski, and in Canoga Park, Bldg 21 lobby.



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