



*Life is a collecting of experiences.
May this special season add
memorable moments to be
treasured in the years to come.*

Modest Gain Shown In Litton Sales

Litton Industries' preliminary sales of \$582,161,000 for the first quarter of fiscal year 1972 ended October 31 showed a modest gain over the \$565,498,000 reported for the same period a year earlier.

Preliminary net earnings for the three months ended October 31, 1971, were \$11,927,000, compared to \$11,658,000 for the comparable period of fiscal year 1971.

Earnings per share, based on outstanding common stock and common stock equivalents with a dilutive effect, were \$0.31, compared to the similarly computed \$0.30 for the same period a year earlier.

Three of Litton's four major product groups, Business Systems and Equipment, Defense and Marine Systems, and Professional Services and Equipment, all recorded higher sales and profits for the first period of this new fiscal year.

NEWS & OPINION

VOLUME 10, NUMBER 12

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MONDAY, December 20, 1971

Clay Williams Named VP Of Operations

Clay Williams has joined Data Systems Division as vice president of Operations. He succeeds Jim Gregory who has moved to Litton's corporate office.

"I am very glad to be a part of Data Systems Division," Clay said. "I have watched its growth and it has a success pattern that is unequalled in Litton, in my opinion, and I am delighted to be a part of it."

A Litton employee since 1963, he comes to DSD following six months with the Litton Ship Systems Division where he was vice president and general manager of their Mississippi facility.

Previously he was with the Guidance and Control Systems Division where he "held all sorts of jobs." He started as an engineer at the Woodland Hills plant, progressing to senior engineer and then to project engineer before moving to the G/CS Duluth, Minn., facility in March 1965. At Duluth he moved up from Test manager to Manufacturing manager, to manager of Quality Assurance, and then to general manager of that facility. Returning to Woodland Hills in August 1968, Clay continued to advance, going from director of Manufacturing to vice president of Operations. He



Clay Williams

was named vice president of Contracts and Programs Management in May 1970, a position he held at the time he left G/CS.

Prior to joining Litton, Clay was with Autonetics where, as an engineer, he worked on "ships inertial navigation systems for the Polaris submarine, and also on the guidance and flight control systems for the Hound Dog missile."

He holds a bachelor's degree in electrical engineering from Northrop Institute of Technology and has done graduate work in electronic systems design at the University of Rhode Island and in management systems at UCLA.

Clay is a member of the American Society for Quality Control, the American Ordnance Association, IEEE, and the Society of Automotive Engineers where he was a member of the manufacturing executive committee.

"I've also been very ac-
(Continued on Page 3)



Pony Lee (right), manager of the AN/TSQ-73 Program, points out features of the AN/TSQ-73 system to Gen. J. L. Throckmorton (far left), Commander in Chief, Strike Command, during Gen. Throckmorton's recent visit to DSD. Others in photo are (l-r) Col. C. S. Book, Special Military Assistant to the Commander in Chief; Bob Murray, director of the Army Tactical Data Systems (ARTADS) office; and CW-4 Jake Rothgeb, AN/TSQ-73 Project Officer, ARTADS. Hidden (in white hat), Capt. D. A. Merrill, Commanding Officer, Joint Integration Task Force.

Five ROTC Cadets Receive DSD Leadership Award



Awarding each cadet \$625 in savings bonds from Data Systems Division is President Dr. N. A. Begovich. Honorees are (l-r) Jeffery Carlton, University of Wyoming; Bruce Murphy, University of California at Berkeley; Floyd Matthews, Washington University; Joseph Anderson, Clemson University; and James Archer, Virginia Polytechnic Institute.

Five outstanding Reserve Officer Training Corp cadets received the 1971 Army ROTC Leadership Award from Army Chief of Staff General William C. Westmoreland in ceremonies November 29 at the Pentagon.

In addition to having his name engraved on a trophy on permanent display in the office of the Army Chief of Staff, each cadet received a certificate denoting his selection and a monetary award from DSD.

... Clay Williams

(Continued from Page 2)

tive in scouting for a number of years," he said. "Both of my boys are Boy Scouts; my oldest is an Eagle Scout. Before I went to Mississippi I was San Fernando Valley Council director of exploring which meant I was in charge of all the Explorer posts—there are 146 in the Valley."

He and his wife, Floellen, live in Northridge with sons Greg, 16, and Scott, 11.

In conclusion, Clay added, "I think Data Systems Division has a very bright future—and a lot of work to do."

Data Systems instituted the award program last year to recognize outstanding performance among ROTC cadets. Criteria for selection are the results of the platoon evaluation rating (leadership qualities), platoon peer rating, and military proficiency rating (which consists of the physical combat proficiency test, field problems test, comprehensive test, map reading and compass test, and the rifle marksmanship test).

In Mississippi

Cuccias Heads New Post

Frank Cuccias has returned to Data Systems to accept the new position of director of Ship Electronic Systems/Mississippi, it was announced by Dan Dudas, vice president of Ship Electronics.

In making the announcement Dan said Frank's responsibilities would include operation of the Land Based Test Facility in Pascagoula, along with the test and evaluation of the electronic systems for the LHA and DD-963 programs.

"Division-wide cooperation and support of these crucial activities will be necessary for successful execution of these programs," Dan said.

Frank was deputy director of the LHA program for six months prior to leaving DSD in September 1970 to join the Varo Corporation in Garland, Texas. He is a retired Navy captain whose Navy career began as a pilot and progressed through command and staff positions. Prior to his retirement in 1963, he was director of the Maintenance Engineering Division, Bureau of Naval Weapons, responsible for providing engineering weapons systems support to the U.S. Fleet, and for coordinating activities with industry.



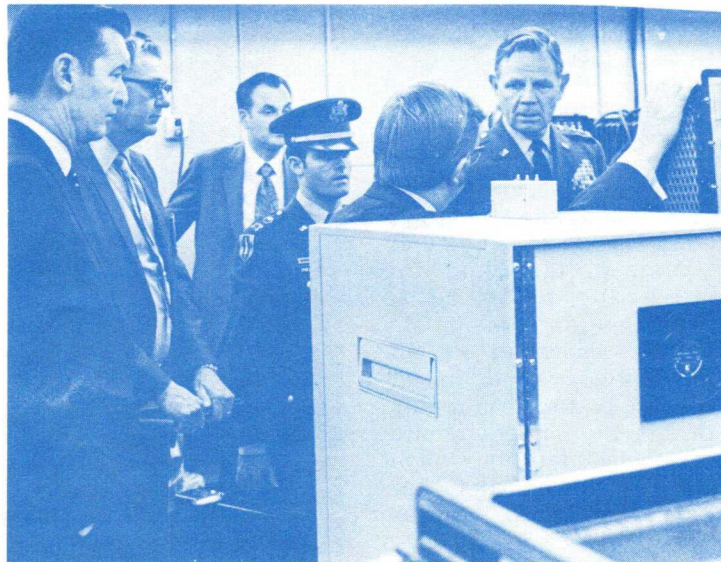
Frank Cuccias

He joined the Guidance and Control Systems Division in 1963 where he held a number of management positions including P-3A Program manager and assistant director of the LTN-51 program. In 1969 he became assistant to the president of the newly formed Aero Products Division.

Frank holds a BSEE from the U.S. Naval Academy and a master's in aeronautical engineering from the Massachusetts Institute of Technology.

On the hobby side, he describes himself as an "avid golfer." He also plays bridge, water skis and enjoys bowling.

Frank and his wife, Libby, have five children—Brian is in high school, Kevin and Karen attend the University of Santa Clara, and Bob and Joan are married.



Lt. Gen. Woodrow W. Vaughn (right), Deputy Commanding General of the Army Materiel Command, made an orientation visit to DSD on December 1st. In photo, George Miller (2nd from right), director of the TACFIRE program, describes the TACFIRE ET/ST (engineering test/service test) system. Others are (l-r) Tom O'Donnell, vice president, Marketing; Bob Murray, director of the Army Tactical Data Systems office; DSD President Dr. N. A. Begovich; and Capt. D. P. O'Neal, aide to Gen. Vaughn.

Program Set To Show Appreciation To DSD Inventors



Bob Angus (far left), DSD Patent counsel, gathered together DSDers who had patent applications filed in their names during 1971 to announce the new award program. In back row, those whose applications related to post and film memory systems are (l-r) Frank Uno, Roy Mandry, John Klacka, Pat Simonetti, Bob Fay, Mike Evans, and Ken Carter. (Missing was Bob DiMartino.) Front row, from left, Bob Angus; Bob Logan, whose application was on multiplication and subtraction logic; Chick Spindel, pattern recognition; Fred Erickson, magnetic deflection apparatus; Jim Pellegrino and George Kaelin, light emitting diode driving circuits; Bill Barraclough, for a process for making thin film resistors, and Dick Conrad, for an identification and polarization of MSI/LSI assemblies. Missing was John Pierce, whose application was for the ornamental design of the Programmable Automatic Tester.

Data Systems Division has instituted a program to show appreciation to its inventors.

Each employee who has a patent application filed in his name will be honored by the Division with a dinner for two.

According to Bob Angus, DSD Patent counsel, the employee may choose the date and the restaurant, and will be given \$40 for the evening.

"All employees who had patent applications filed in their names during 1971 have recently been notified of the new program," Bob said. "In the future, inventors will receive their honorary dinner when their invention disclosures are reviewed by the Patent Review Committee and applications are filed with the U.S. Patent Office."

New Safety Law In Effect

Safety is everybody's bag. If it isn't it should be. Here's another reason why.

New Federal legislation, namely the Williams-Steiger Occupational Safety and Health Act of 1970, makes it mandatory that the Division provide employees with safe working conditions. It also requires that employees comply with specific safety and health standards.

"A summary of the major provisions of the Act has been posted on employee bulletin boards throughout the plant," said Joe Landis, Security Department Plant Protection manager. "Periodic inspections will be made by the U.S. Department of Labor to ensure compliance with safety and health requirements."

At Data Systems, safety practices are the responsibility of the Fire and Safety

section of the Security Department, headed by Jim Brummett. They are also responsible for education of employees in safety practices and in the application of these practices to each employee's daily assignment.

Joe said that, "In order to continue to make DSD a safe place to work, we ask that each employee

- practice safety on the job at all times
- know the safety standards which apply to his work place
- learn all he can about safety and take training courses when they are offered
- cooperate in following directions, rules and regulations designed for their safety, including the wearing of protective clothing and equipment."

"We also urge all employees to call to my attention or to the attention of Jim Brummett any situation which they think might be a health or safety hazard," Joe added. "My extension is 2154; Jim's is 2866."



Jim Brummett (right), senior safety and fire protection engineer, explains to Mort Zeitlin of Maintenance how signs denoting the hoist load limits will have to be displayed to comply with new safety regulations. Looking on is Jim Watkins, safety and fire protection engineer.

Stock Quote

Employees paid	\$16.85
Company paid	4.21
Average price per share for November, 1971	\$21.06

Marine Corps Is 196 Years Old



Capt. Thomas Ashe of the Marine Corps Tactical Systems Support Activity in Santa Ana gets an assist from Bill Wagner, director of Marine Corps Programs, in blowing out candles on a cake commemorating the 196th birthday of the Marine Corps on November 10th.

MC Volunteer Unit Organizing

Military reserve officers may have the opportunity to obtain their retirement benefits (retired pay, medical coverage, PX, commissary, travel privileges) by attending weekly evening meetings to be held at Data Systems Division.

M. K. "Cap" Beyer of Systems Engineering has requested Marine Corps Headquarters for the neces-

sary forms to organize a Volunteer Training Unit. The proposed specialization area of the unit will be command and control systems.

In order to activate the program, a minimum of six reservists is needed. They need not be Litton employees. Interested reserve officers should contact Cap at 781-8211, X2401.

Al Shaw, Elmer Kassahn Retire



Al Shaw (left) and Elmer Kassahn are presented certificates of service upon their retirement by Ron Derry, manager of Production. Elmer, who has been with DSD since 1968, plans to move to Idaho next summer where he has an interest in his son's cattle ranch. He'll also hunt, fish and travel, with his sights set on New Zealand. Al, a DSDer since 1960, says "My wife has enough work lined up remodeling the house to keep me busy until 1986. But I'm going fishing and play some golf too. We have an 11 year old son to get through school yet so I'll probably take another job after a while; I've had a couple of offers."

DSDers Unlucky In CU Drawings

Data Systems employees struck out in the cash prize drawings held for Credit Union members who responded to the new car sales promotion.

All Credit Union members who financed the purchase of a new car with the Credit Union between September 1st and October 31st were eligible. Winner of the \$1,000 first prize was Karl Branch of the Environmental Systems Division in Camarillo. Alfred Belanger's name was drawn for the \$500 second prize; he is with the Aero Service Di-

vision, Hollywood. The five people who each won \$100 are Donald Spencer from AMTD in Culver City; Ming Young, Aero Products, Woodland Hills; Michael Santiago, Ritter-Ardes Division, Los Angeles; Philip Eddy, Guidance and Control Systems Division, Woodland Hills; and ex-DSDer Myron Berkson who belongs to the Credit Union under the "once a member always a member" policy.

There will be another chance to win Credit Union giveaways at the annual meeting on January 29.

The "Little Sizzler" Instant Hot Water heater

The ideal gift for the outdoorsman

NOW AVAILABLE FOR \$25.00 plus tax
(Regular price \$39.95)

Instantly heats cold water from any source *steaming hot* without a storage tank or an electrical hook-up!

Orders may be placed at Employee Relations in Bldg. 43 or any DSD Petty Cash Office (Bldgs. 21, 32, 45, 47, 59, CC). Upon payment, water heaters can be picked up at the Haskell Ave. entrance of the Bldg. 48 warehouse on Tuesdays or Thursdays between 3:15 and 5:15 p.m. Culver City orders will be delivered to that facility within two days.



Ballard On Mayor's Committee

Roy Ballard, executive assistant in Marketing, has been appointed a member of the Aerospace Technology Applications Committee by Mayor Sam Yorty.

The Committee will "act in an advisory capacity, or, if appropriate, directly regarding any matter relating to the aerospace and technological industries of the Los Angeles area in which the City might be of service or become involved."

"The Mayor is concerned about the number of professional and skilled persons, particularly from the aerospace and technologi-



cal industries, who are being forced to leave Los Angeles or seek work in which their talents are not being utilized," Roy said. "We're looking for ways the Mayor, the City, government agencies or civilian businesses can employ such persons."

Data Systems Division Executives Answer Questions

(Editor's note: Last month, a summary of DSD President Dr. N. A. Begovich's address to management was reported. Following his address, members of the audience asked questions. Here are some of those of general interest as answered by DSD executives.)



Jack Harding
vice president
Engineering

Q. What percent of DSD business is hardware vs software?

"I would say, 25-30% software, the balance hardware."

Q. Performance implies good morale. Have you considered recognizing an engineer of the month for achievement and performance?

"Yes, about two months ago we discussed the pros and cons of this. I was probably one of the ones that was influential in not doing it because of the difficulty, in an organization of some 1,500 people, of sorting out a single person each month when there are so many people who are doing an outstanding job. Frankly, I felt that we would lose more by not recognizing the right individual than we would gain by recognizing one of the many contributors."

Q. When will DSD start paying professional sal-

aries for professional performance?

"I am very proud of the salaries we pay DSD employees. We are very careful to check every year with competing companies in the area. Our Industrial Relations people have a thorough survey that I would be glad to show and talk to anybody about. We do pay professional, competitive salaries."

Q. What incentives can you offer the employees at this time?

"I guess one incentive we can offer employees is that we still are able to promote employees. Obviously the wage freeze ties our hands as far as doing anything from a salary standpoint right now. I guess you have to have confidence in us that we are going to recognize, from a monetary standpoint, those employees who do an outstanding job."

Q. Do you plan to raise the exempt overtime ceiling?

"No, there is no plan at the present time to change the overtime ceiling."

Q. If costs are to be controlled, are you going to provide the unit manager the authority and responsibility of his budget? Will he be able to stop others from cutting into his work order?

"A very valid question. We are setting up right now to provide the section manager or the department manager with real-time visibility on his programs. We do not have a system at this point where the unit engineer has the intrinsic authority to preclude expenditures in another area of engineering on his program. We are going to strengthen the muscle of the unit engineer to bring to the functional manager's attention the expenditure of money."



Dr. N. A. Begovich
president
Data Systems Division

Q. Have you considered modifying the parking situation, particularly around Bldg. 48? Eliminating reserved parking? If a person is so important to have the nearest parking spot, he or she should be there first.

"It isn't necessarily a matter of who is important. If a person's job requires that he use his car to make trips to other buildings, it wastes a lot of time if he has to look for a parking place each time he returns."



Ken Walsh
vice president
Administration

Q. What is the plan for consolidation of facilities in '72?

"We are not going to have a single facility. At the present time, I think we have 37 buildings. We are in the middle of a study—Irv Korn and his group (Systems Effectiveness) are helping us. We are trying to establish a pattern of communications

so we can get people together who should communicate with each other, who should work with each other. We are going to be moving out of Bldg. 31, and fully occupy Bldg. 32. We have a very, very difficult goal, as far as square footage per person, to meet. I need all of you to help me, and to help the Division, to meet that goal. We are going to better utilize the buildings we have in Van Nuys, moving out of some of those south of Strathern such as Bldg. 47. Those are the consolidation plans we now have—better utilization of the facilities we have and grouping people together more intelligently."

Q. Do you realize that space cutting will cost us much more in low morale and low performance? It is possible that the edict from corporate is not realistic and should be negated.

"Yes, we did argue the point that you just can't squeeze and squeeze and squeeze. We will try to give you good, intelligent facilities. We're asking for help from everyone on suggestions as to how we can accomplish that. As I mentioned before, we've asked for a study from Engineering."

Q. In the military, the commander doesn't eat until his troops are fed. How many times last year did you and/or your staff eat any Stouffer food, particularly from the machine? When can we get a better, good system?

"This is a problem that has been personally brought to my attention. Dr. Begovich has given me a personal goal to try and improve the service. As a matter of fact, he and I went out the other noon and cooked a hamburger in the microwave oven. It was as good as McDonald's hamburgers."

Posed By Management Members At Annual Meeting

We have two vendors in the plant, by the way, Stouffer's and Serv-o-mation. Serv-o-mation is in Bldg. 21. We have about six or seven ideas that we're pursuing. We're asking for bids on different food services and I'm going to establish a committee made up particularly of those people who have been most outspoken about the food. Would the individual who wrote this please see me tomorrow and he can become vice chairman of the committee. I'm serious, please do."

Q. Do you really believe that the bonus vacation week after five years service violates either the spirit or the intention of President Nixon's directives?

"My own feeling is that that is a bad interpretation, an interpretation we checked, cross checked, and appealed, and they simply said that that's the way they are interpreting it. However, for you people who are in this position, we are accruing your vacation. I think that is one of the first things that will be unfrozen, and we are doing everything to be sure you don't lose your vacation."

Q. The corporate position during the freeze was to grant bona fide promotions. How come you froze them?

"We did not freeze bona fide promotions. If you have or know of a case where I did freeze a promotion and didn't know it, will you please come by and talk to me about it?"

Q. What is your assumption on what the corporate position will be on raises after the 90-day freeze?

"At this point we don't know what the ceiling for the Southern California electronics industry will be. I suspect the ceiling is going to be around 5% but I'm guessing, just like you are.

We will be working on a performance evaluation program which ties your performance and your meeting your goals back into your compensation and your raise."

Q. Performance yields promotions; o.k., good. How about proportional merit increase allotments for group, section, etc. outstanding performance?

"I think, within performance evaluation and your own directorates, you will be given individual and group recognition for your performance in meeting your goals. The whole group may not get it but I think those instrumental in meeting the goals will. Performance evaluations will be carried on even though we are under this freeze with the assumption that we will be allowed to give you merit increases. We are planning to extend merit reviews based on performance evaluation to all levels of the organization including the technical, office, production and maintenance people."

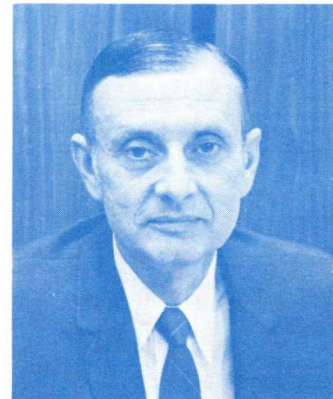


Dan Dudas
vice president
Ship Electronics

Q. If we're really interested in controlling IFCs (Indicated Final Costs) why does DSD persist in carrying the added burden of functional organizations as opposed to project organizations?

"I think a simple answer is that we aren't rich enough

in either contract dollars or people to have a project organization for all programs. If you projectize the people you can't keep them all efficiently employed all the time. In slack periods when the need for people is down, they cannot be re-grouped and diverted to another project and you can't queue other project work up to them. Also, you can imagine what the problem would be in trying to tear down the project structure every time a project phases out. So basically the reason we have to use, in effect, a matrix organizational approach is to maximize the return on our critical people and reduce program cost by avoiding organizational redundancy. I think history has proven, not only here but throughout the industry, that that's the most economical way to do it."



George Breitwieser
vice president
Program Management

Q. Why does Data Systems Division continue with DSPs (Division Standard Practice), EPs (Engineering Procedures), etc. that are purely black box production oriented with no recognition on system development techniques?

"I think if you review the totality of the DSPs, there are some that relate to how we conduct the systems business. There are DSPs which describe the charter

of the Program Management office, there is a DSP which describes the systems design process that's very systems oriented, there is a DSP which describes the subcontract procurement actions on large make/buy decisions and how those proposals are evaluated. So in some instances we do have systems oriented procedures and I certainly think we need more."

Q. If we are to measure performance at the section manager or group leader level, how do we measure performance of Program Management?

"I think there are many ways to measure Program Management people. There are certain milestone tasks they have to perform in terms of work statements, system definition, budget control, monitoring releases—all the various parts of a program plan that they have to put together that can be tracked against. The customer is a good monitoring agent in measuring Program Management people in terms of his interfaces with our Division, how he rates our people, and the success to which our Program Management people can get add-on extensions of our contracts and keep the customer satisfied. In addition, each one of our Program Management areas has a whole matrix of management by objective goals which are quantified in terms of dollars, numbers, overheads and budgets."

Jim Gregory
vice president
Operations

Q. Is the Operations Van Nuys role to be one of R&D prototype effort and the production effort to be performed at Lubbock, Texas?

"The answer is yes, and if you took E-2C out of Van Nuys at this point in time, that's exactly what we are today."



Scenes from the 1971

HOLIDAY DINNER DANCE





Off-site Data Systems Division Employees Write

From Tokyo, Japan

This will be the fourth consecutive Christmas my wife and I have spent in Japan, so we are beginning to understand the mood of the people during holiday season.

First, a few words about present-day Japan. The country is in the incipient stages of a rampant wage/price inflationary spiral and as a result, prices are very high. Beef is \$7 per pound. Our apartment (small by U.S. standards) rents for \$1200 per month. A man's suit costs \$200, and women's clothes are commensurably expensive. Dinner in an average restaurant is \$15 per person and up.

Japan is still a man's



Paul Gray
Marketing Representative

world, and women are relegated to a secondary position in almost every category. Most of the marriages are still arranged and very few Japanese women pursue a career.

The department stores in Tokyo and other large cities display elaborate and ele-

gant decorations for the Christmas season, and the people have assimilated the custom of buying presents during this time. The big holiday though, is the first of the year, which all Japanese observe at their homes and later in the day at a temple. By custom, all debts are paid, clothes and houses repaired, and preparations are made to begin a fresh new year. This holiday period lasts about ten days and all businesses are either closed or operated on a

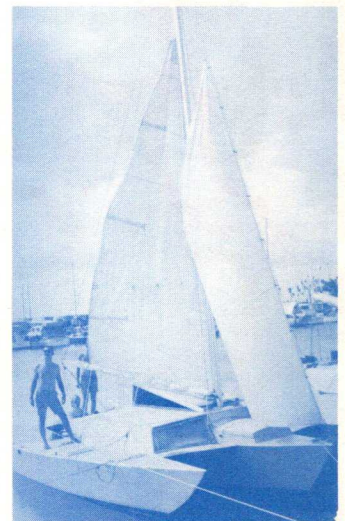
very reduced scale.

Regardless of what is said in the press, the Japanese people are very friendly to America. The demonstrations so vividly displayed on TV are conducted by a very small minority of the radical left and are observed with curiosity and dismay by the average citizen. All in all, it is a lovely country with delightful people.

Claire and I wish all of DSD a wonderful Christmas and a Happy New Year.

From Hawaii

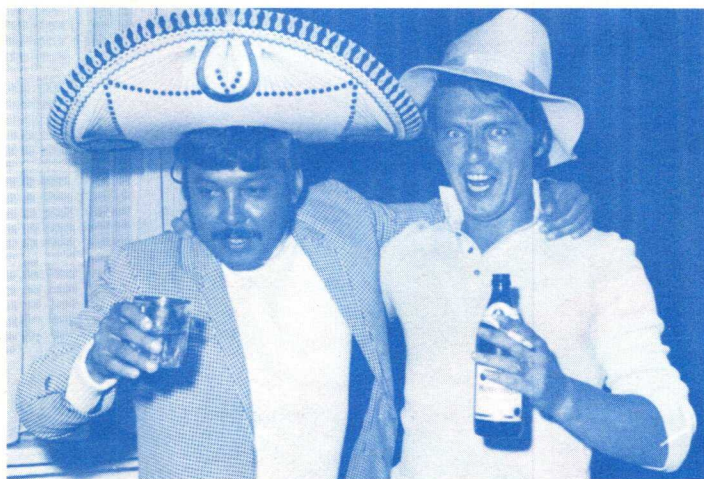
Hawaii is unlike the "mainland", as we call it, in many ways, but Christmas is celebrated much the same in spite of many cultural and religious backgrounds. Christmas trees are air flown here and bought as quickly as they arrive. Traditional wreaths on Hawaiian doors are, with a few exceptions, made from the native Koa pods . . . Hawaii is ideal for water sports. I've learned to scuba dive and enjoy the beauty beneath the water as well as on land . . . There is no winter as you Californians know it; the difference in the amount of rain determines the seasons here . . . Our Christmas day will be spent aboard our boat, the Piver Trimaran. That's me, glasses, mus-



Field Engineer Jerry Le Lesch
tache and tan.

Aloha and Mele Kalikimaka (Merry Christmas) to all from the Le Leschs.

From Europe



Field Engineer Louis "Marty" Martinez and German friend.

I'm with the Litton Gypsy Division in Europe, and this letter is coming to you from Copenhagen, Denmark — groovy. This place is almost as great as California!

I'm sending a recent picture of me and a German friend starting the annual German Fasching celebration. Fasching starts on the 11th month, 11th hour, 11th minute, and lasts until Ash Wednesday when they bury the Fasching spirit. It's an event like the Mardi Gras, and it dates back to the Middle Ages.

Everyone celebrates this time of year in different costumes and dances, depending on which part of Germany you're in.

I hope to be home before March 14 because that's the date of the annual celebration of my forefathers in Guadalajara, Mexico, and they want us to jump into the downtown bullring. (Marty is a sky diver with a record of over 200 jumps.)

Merry Christmas and Happy New Year to everyone back at the home base.

From Southeast Asia



Field Engineer Dennis Palmer
At this writing, I have been deployed on board the USS

Constellation CVS-64. This is my eighth month of sea life after having crossed over from the USS Midway CVA-41. I speak with the feelings of all men who must endure these hardships at this time of year.

Holidays are non-existent in an environment such as this. The thoughts of our families and friends, and the memories of past holidays do exist. It is these thoughts and memories that make this time of year special to us. May we extend to all of you the heartiest of holiday blessings.

About The Holiday Season In Distant Places

From West Germany



Field Engineer Art Bolster

Rufus Overlander and I decided to collaborate in writing about Christmas over here.

Lindau, West Germany, is a small summer tourist town located on the shore of the Bodensee (Lake Constantine). Across the Bodensee, one can see the snow covered mountains of Austria and Switzerland. The scene is reminiscent of Christmas cards painted by Currier and Ives.

Adventzeit, (Advent, 28 November), marks the be-



Field Engineer Rufus Overlander

ginning of the Christmas season. Families have purchased wreaths of pine boughs, and on this date, place the first of four candles on the wreath at one of the compass points starting the "countdown" to Christmas. As each week passes, another candle is added to the wreath at one of the remaining compass points.

Unlike the United States, children continue to go to school until 24 December. Observing the children, one

can sense that they are on their best behavior in anticipation of Heilige Nikolaus Tag (St. Nicholas Day, 6 December), a day on which, if the children have been good during the year, find small presents in their boots which were placed outside the door the night before. If St. Nicholas feels that a child has not been his best during the year, he puts a switch in the boot to be used appropriately.

A great hustle and bustle of shoppers hurrying along the snow-covered sidewalks making Christmas purchases can be seen, while decorating crews hang Christmas lights above the main street much like those in the United States. Christmas trees are put up and

decorated with candles, ornaments and tinsel.

At last, Weinachtsabenb (Christmas Eve) arrives, yet there is much to be done, presents to be wrapped and put under the tree, while mama is in the kitchen preparing for tomorrow's feast—enough food for a small army, as it is traditional that all relatives join together for Christmas.

On Christmas Day, all the relatives arrive from miles around for the occasion, exchanging presents, eating with much wine and beer drinking, and talking of the past year, and of the year to come.

Please add that Rufus, I and my family wish everyone at Litton a Merry Christmas and a Happy New Year.

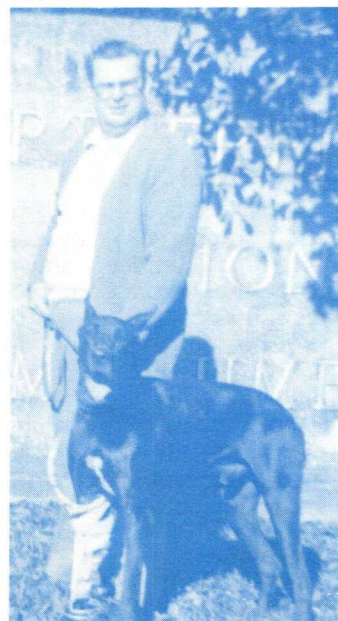
From St. Simons Island, Georgia

The holiday season here on St. Simons Island, Georgia is much like it is anywhere else in the country.

The first community in this area was Frederica, founded jointly by Governor Oglethorpe and the Wesley brothers. The background of the community is largely religious, and the people here celebrate Christmas in activities associated with the many churches. For example, Christ Church, founded in 1736, will have several activities, concluding with a special service on Christmas Eve.

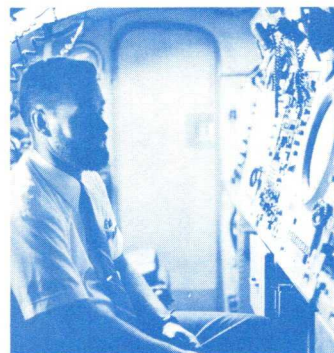
My family, being active in our local church, will celebrate our Christmas with church related activities, hoping that we can have the true spirit of Christmas in our home during the coming holiday season.

We wish you all a happy holiday season from the Hiatts.



Field Engineer Dick Hiatt

Christmas Week 1970



Field Engineer Dick Fenn

Christmas week 1970 on board the USS Kitty Hawk in the Gulf of Tonkin was a memorable one. A turkey dinner was enjoyed by all on Christmas Eve due to heavy flight schedules on Christmas Day. On Christmas Eve, one of the helicopter rescue squadrons at Da Nang flew Santa aboard

with a small gift for the flight deck personnel.

A USO show was a welcome event during the Christmas week. Five talented (and beautiful) girls from Colorado entertained us for an hour and a half.

Home-made trees were in evidence everywhere, usually resembling a poor replica of Charlie Brown's favorite tree.

Christmas at sea can be a lonesome event, but the arrival of three-week-old fudge and chocolate chip cookies (usually well crushed) seemed to brighten everyone's spirits.

These are a few of the things I remember from Christmas 1970. This year I am fortunate to be spending Christmas at home.

NEWS & OPINION

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Santa And Magic Enchant Children At Holiday Party



And Some Gave To Toys For Tots



Coin Club Offers Program On History of Art Medals

"Art in Medals," a colorful slide program, will be presented on Sunday, January 9, at the Litton Coin Club meeting.

"The program will describe the history of art medals, how they developed from Roman coins, how fine art medals are made, and how they are presently collected," says Joe Dougherty, Coin Club representative.

The creation of the art medal began during the days of the Greek Empire, when

coins were engraved for their beauty. The owl of Athens and the Winged Victory of Samothrace are two ancient works of art that have bridged the centuries to serve as modern motifs.

The meeting will be held in the DSD Recreation Cottage at 2:30 p.m. There will be a raffle, a door prize, and plenty of refreshments.

For more information about the meeting, contact Joe at X2671.

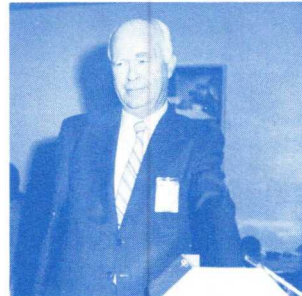
Gemcrafters Net \$450 For Orphans



Chuck Geyer and Esther Krohmer reach for winning tickets as Sandie Broeske writes down the winners' names and Elmer Kassahn looks on. The Gemcrafters spent over 100 hours of their leisure time creating prizes for the sixth annual fund raising drive. The \$450 has been sent to the Children's Gospel Home in Japan and the Sacred Heart Orphanage in Vietnam to help support the orphans and to cheer them on Christmas. The Gemcrafters would like to thank all non-members who contributed prizes for the drawing.



Marty Simmons proudly displays bolo tie she won at the drawing.



Pat Hickey draws first ticket.



TWILIGHT GOLF WINNERS — Sporting trophies are (from bottom, l-r): first flight, Leo Zovak, Kay Olsen, Ed Peyronnin; second flight, Bill Neubert, John Hazama, Bobby Sherrill; third flight, Ron Esser, Marlin Freel, Barry Ingber.



LUBBOCK BOWLERS OF THE WEEK — Bill Dunham, Test, won top honors in the men's division by bowling a 718 series. Virginia Eddens, Production, placed first in the ladies' division by rolling a 688.

DSD Sharpshooters Beat Telco Sportsmen

DSD's Gun Club, third place team in the National Industrial Recreational Association, beat the Valley Telco Sportsmen in a trap match by one point with a score of 220-219.

The competition was held at the San Fernando Range in Newhall, a range where none of the Club members had shot before.

The Gun Club's schedule for January is as follows:

- Jan. 8 — trap / skeet at Calabasas Range at 9 a.m.
- Jan. 14 — pistol at Marquardt Range at 7 p.m.
- Jan. 22 — big bore rifle at Juniper Tree at 9 a.m.
- Jan. 28 — pistol at Marquardt Range at 7 p.m.

The Gun Club gives discounts to members on shooting equipment. For more information about the Club's activities, contact Bruce Kamba, X2792.

CALENDAR

BASKETBALL — Intramural play on Friday eves. from 7:30-11 p.m. at Patrick Henry Jr. High in Granada Hills. Contact Dennis Stokka, 4331.

CAMERA CLUB — Advanced class meets Wed., Jan. 5 at 6:30 in the Recreation Cottage. Darkroom class meets Wed., Jan. 19 at 6:30 in the Cottage. Contact Dave Bronsen, X2670.

BOWLING — Every Thursday eve. at 6:30 p.m. at the Encino Bowl. Substitutes needed. Contact John Fornadley, X2795.

DANCE CLUB — Meets Tuesdays at noon in the Cottage. Contact Gloria Hayes, X2795.

FLYING CLUB — Meets Tuesday, Jan. 4 at the Skytrails Restaurant at 5:30 p.m. Jan. 23 Sailplane rides at Crystal Airport, then to New Cuyama. Contact Joyce Allmandinger, 887-3437.

GEMCRAFTERS — Meet Wednesday, Jan. 12 in Bldg. 32 Conference Room at 7:30 p.m. Trip to Black Canyon Jan. 15. Contact Chuck Geyer, X2483 or Sandie Broeske, 887-3072.

MEN'S GOLF — Tee-off time at 10 a.m., Saturday, Jan. 8 at Santa Anita. Contact Les Hughes, X2481 or Walt Lach, X4435.

WOMEN'S GOLF — Meets Saturday, Jan. 15 at Sunset

Country Club in Thousand Oaks. Tee-off at 11:30 a.m. Contact Ruth Owen, 887-2363.

GUITAR CLUB — Meets Thursday at noon in the Recreation Cottage. Beginning classes on Fridays at noon in the Cottage. Contact Marge Brittain, X4591.

ROD AND REEL — Bottom fishing out of Port Heuneme on Saturday, Jan. 22 at 6 a.m. Contact Bud Hausman, X4140 or Dewey Gail, X4015.

SNOW SKI CLUB — Next meeting Thursday, Jan. 6 at 8 p.m. in Bldg. 46. Contact John Mueller, 887-3474 or Patti Jones, 887-3635 for meeting information. Yosemite weekend trip Jan. 14. Contact trip chairman Tina Hobbs, 887-3474 by Wednesday before trip to make reservations.

TOASTMASTERS — Meet Jan. 4 and 18 at 6:30 p.m. at Fred-Ricks Restaurant. Contact Fred Appleton, X4051.

WRANGLERS — Rides scheduled for Sunday, Jan. 9 at 9 a.m., and Saturday, Jan. 22 at 9 a.m. Contact Ed Peter-ek, 887-2004.

DSD ORCHESTRA — Inconcert Tuesday eves. at 5:30 in the Recreation Cottage. Contact Romarie Singer, X4295 or Joe Camilleri, 390-6611, X6487.

Flying Club Wings Thanksgiving To Pala

It was a wet, autumn day when the Flying Club journeyed to Pala. But the smiles that greeted the pilots of nine aircraft carrying 32 turkeys and 2300 pounds of food for Thanksgiving was a welcome sight.

Besides delivering food to the Mission San Antonio de Pala, the aviators explored the grounds, the school, the craft shop, and spent time joking with Father Gino J. Doniney, who is originally from Venice, Italy.

One of the highlights of the trip was seeing two young Indians' expressions of ecstasy after their first jaunt in a private plane with pilot Mike Stambolis.

"I was so impressed with the beauty of the Valley," said Club member Romarie Singer. "So many Indians live in dry, desolate regions, yet this was one of the most beautiful valleys I've ever seen.

"The whole event was such a phenomenal success. Everyone cooperated. And Dave Abeler deserves special thanks for the use of the Can of the Month containers."

"Dave Evans, chairman of the committee that planned and conducted the activity, and members of the Flying Club wish to express their thanks to all who contributed to the food collection for the Indians. It was gratifying and it has given the Club an activity that involves the entire Division," said John Kuzma, president of the Club.

Father Doniney expressed his "gratefulness to each organization and each employee" in a letter to John. "We will keep you in our prayers, that God may bless you and keep you safe in your flights."

Kull Converts Cans Into Art

A new art form has come into vogue in the marketplace. Kienholz started it, and Steve Kull, a Reliability data analyst, is following suit.

Steve, also a candidate for a BS degree in engineering at Pierce College, has found time between his work and his studies to recycle tin cans in a unique manner and mold them into what he terms junk art.

Using discarded coffee and dog food cans, Steve builds miniature airplanes, cars, ships, and people.

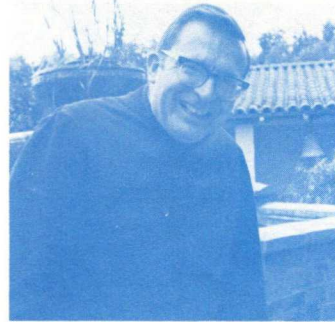
"My wife, Joanne, and I took a trip to San Francisco where we noticed metal sculpture displays in shop windows. I thought it would be great to make similar sculptures out of cans, nuts, bolts, nails, and other metal scraps," said Steve.

"Our first project was an airplane. It took eight hours of work to completely assemble it. We cut up cans to various sizes for the wing and tail, and cut wire strips to use for the fuselage.

"Now it only takes us three hours to build one. Joanne cuts up the parts during the day so they're ready when I come home from work, and I solder them together. She adds the machine guns, ladders, and spray paints it. After I come home from school, I mount the finished airplane on a white marble stand.

"I have one on display in the Sherman Oaks City National Bank. I brought one into the bank when I was making a deposit, and I saw several pieces of metal sculpture of a different nature on display on their tables. I asked them if they wanted to include my airplane in their collection, and to my surprise, they said yes.

"These projects have helped to develop a great working relationship between my wife and me," Steve added. "It is a good diversion from work and school, and it affords me the opportunity to express myself creatively."



Father Gino J. Doniney leads a tour of the Mission.



A Pala youth



JUST AFTER LANDING—DSD pilots posing at Pauma Airport are (l-r) Dave Evans, Wayne Murray, Walt Braddy, Bob Hinrichs, Mike Stambolis, George Lucas, Art Miller, Eugene Connell, and Gene Percy.



Visiting with Father Gino J. Doniney at the Mission are (front row, l-r) John Kuzma, Bob Holmes, Joyce Allmendinger, Art Miller, Leon Meggerson III, Sy Horowitz, Romarie Singer, (back row) Mike Stambolis, Eugene Connell, Walt Braddy, Father Doniney, Wayne Murray, Bob Hinrichs, Leon Meggerson, and Gene Percy.

Steve Kull shows how he constructed his model airplanes.



The Bargainmart

a free service to employees.

Next deadline / Thursday Noon, January 6

FOR SALE

VW—'69 auto, low mileage, new tires, clean, lk new, \$1250. 881-9844 daytime.
 FIAT—'70 850 Spider, conv, white w/black top, AM/FM radio, car cover, 27,000 mi., \$1450. 336-4100.
 MUSTANG—'65 V8, pwr steering, c/n, 50,000 mi., \$1000. 246-4560.
 CORVAIR—'66 Corsa, 327-350 hp, 760 CFM Holly, complete crown conversion w/suspension, disc brakes, roll bar, \$2500. 246-4560.
 FORD—'57 1/2 ton pick-up, new trans, new clutch, new radiator, recent engine overhaul, \$600 or trade for '64 or '65 Chevy SS Impala in same condition. 345-4758.
 FORD—'71 LTD stn wag, 9 pass, air, pwr steering, pwr brakes, towing package, trailer hitch, xlnt cond, \$3995 or offer. (805) 252-5393.
 BUICK—'64 stn wag, stick shift, pwr steering, \$245. (805) 522-2543.
 DODGE—'66 Charger, air, tape deck, good cond, \$750. 994-4235 after 5:30 p.m.
 CORVETTE—'65 327, 4-spd, AM/FM radio, two tops, xlnt cond, \$1895. 341-2077.
 PONTIAC—'63 Catalina, new paint, recent engine overhaul, reasonably low mileage, \$450. 889-7986.
 CHEVY—'63 wagon, air, overhauled trans, R&H, 79,800 mi, \$350. 346-4762.
 HONDA—'69 450, street model, good shape, \$650. 341-2077.
 HONDA—160cc, 46,000 mi, xlnt cond, \$250 or best offer. 363-3075.
 HONDA—'65, many xtras, '69 engine, \$165. Ken Sperling, 360-4162.
 CRAGAR—Mag-type wheels, make offer. 883-9619.
 MOTORCYCLE—'70 Montesa 360 capra, konis, very nice bike, \$600. 246-4560.
 TIRE CHAINS—New, never out of box, fit 6.40-13, 6.50-13, 5.20-15, 5.25-15, 5.50-15, and 5.60-15 tires. \$8. 788-9648.
 BICYCLE—16" sidewalk bike for boy or girl, \$10. 346-5152.
 BICYCLES—From Holland, 10 spd, first quality, new, \$85. 892-5338, 885-1649.
 PUPPIES—German Shepherd, 5 males, 1 female, 2 mo old, \$25/best offer. 347-9023.
 PUPPIES—AKC Labrador retrievers, black, mother & father large and exceptionally good temperament. Ready for Xmas. 345-9839.
 SKIS—Head standard 195 cm, custom tops, Soloman step-ins, used 2 seasons, \$45. 892-5338.

CAMERA—Minolta SRT 101, f1.4 lens, make offer. 883-9619.
 VIVITAR—Zoom lens for Nikon, make offer. 883-9619.
 YASHIKA—"D" twin reflex w/ case & flash, xlnt cond, \$20. 347-5821.
 RUGS—Braided oval, two, 9 x 12, \$25 ea. 345-4758.
 SKI BOOTS—New, Montan 5 buckle w/micrometer adjustment, size 8 to 9, \$50. 892-5338.
 PIANO—Antique sq grand Steinway, rosewood, xlnt cond. 886-0542.
 ORGAN—Antique pump, needs rebuilding. 886-0542.
 COLLECTOR'S DOLLS—886-0542.
 TELESCOPE—3" refractor, fully equipped. 883-7249.
 SHOTGUNS—Two, Remington, model 1100, one 20 ga, 26" Imp cyl vent rib, xlnt cond, \$110; one 12 ga 26" skeet w/xtra 26" mod barrel, both vent rib, mint cond (almost new), \$195; includes carrying cases, cleaning equip, 9 boxes of 12 ga shells, 3 boxes 20 ga shells. (714) 595-1948.
 LADIES RING—Brushed white gold, w/2 carat pearshape Diamond, orig cost \$150, sell for \$50. 764-2140.
 FOX STOLE—White, makes xlnt gift, \$35. 346-5152.
 REFRIGERATOR—GE, apt size, white, good cond, \$20. 888-9212.
 CHAIRS—Two, occasional, pumpkin, upholstered, French provincial, fruitwood legs, \$90 for both. 764-2140.
 DRESSERS—Two nine-drawer w/matching night stands, blond, xlnt cond, \$65. 888-9212.
 COUCH—5' gold tweed, good cond, \$75. 472-7022.
 GAS HEATER—15,000 BTU, \$20. 472-7022.
 RUGS—One 9 x 12 & one 12 x 15, moss green sculptured design, both rugs bound & in good cond, \$100. 766-2131.
 SOFA—8' modern, beige, good cond, \$70. 346-5152.
 ANTIQUE LOVERS—Large selection of furniture, roll top desks & beautiful glassware, call for appt. (805) 526-3087.
 PIANO—Lingard, spinet type, walnut French provincial, mirror keyboard back, \$245. 887-1114.
 ACCORDION—Cantino, red & ivory, 120 bass, \$75. 882-9637 evenings.
 GUITAR—Acoustic, steel string, mint cond, new strings, 1 yr old, \$42.50. 787-1749.
 SPEAKER—Corner hi-fi, \$45. 346-5152.
 SKIS—Fischer Alu Combi, 200 cm, Gesi step-ins, \$60. 892-5338.
 SKI BOAT—18' SK glass hull, natural birch glassed deck, tuck & roll upholstery, carpeted, '67-

327 super stock Chev engine, in & out V drive, Nicson-Marbet equip, tandem trailer, a steal at \$2600 or see and make offer. 892-5338.
 HOME—Knollwood Golf Club area, view, 2800 sq ft, 4 + 4, pool, electrically controlled atrium entry, terrazzo floors, central air, refrig & dishwasher, valued at \$62,500, asking \$49,500. 363-3075.
 HOUSE—3 + 2, 16' family room, 16' paneled study, slate entry leads to spacious living room w/floor-to-ceiling brick fireplace, family-sized kitchen w/all built-ins including Nutone center, carpeting, drapes, shutters patio, forced air heat & air, near DSD in VN. 787-5168 evenings or weekends.

FOR RENT

HOUSE—Canoga Park, 3 + 2, large family & living room, 2-car garage, air, carpets, blockwall fence, sprinklers, freshly painted, unfurn, \$275/mo, water paid. J. Earle, 888-9212 after 6 p.m.
 LEASE/OPTION—Valencia Encantada model, 2135 sq ft tri-level, 4 + 2 1/2, located at 23927 Avenida Crescenta, Valencia, Calif, lease price \$265/mo. J. Jones, Lubbock, Texas, (806) 792-0651 or (806) 792-0021.
 APARTMENT—1 bdrm furn, adults, pool, spacious, 5 min from WH plant, \$135/mo. Call 340-3048 or see at 5204 Fallbrook, WH.
 APARTMENTS—No Hollywood, 1 + 1, large front upper, private balcony, sun deck, dining room, a/c, drapes, carpet. Also 2 + 2 & study, dining room, private patio, bookcase wall, air, drapes, carpet, built-ins, dishwasher, ground floor front. Adult bldg., lge pool, close to shopping, trans. 5453 Corteen Place. 788-9648.

CABIN—Crestline (Lake Gregory), sleeps 10, furn except linens, all weather, \$12/day, \$75/wk. 788-9648.
 CHALET—Crestline, Lake Gregory/San Moritz area. Sleeps 8. Completely furn. \$16/day or \$100/wk. 886-0739.

WANTED

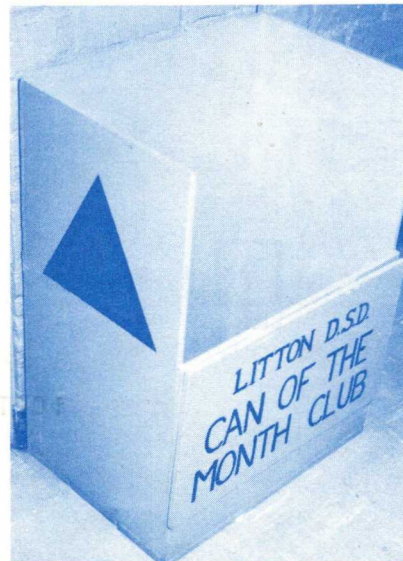
VOICE STUDENTS—Lessons by young professional recording artist, class or private, reasonable rates. 348-5925.
 LIONEL ELECTRIC TRAINS—347-5821.
 TO SHARE APARTMENT—Female in 20's, single. Split-level apt, close to Litton and SFVSC. Sandy, 360-9231 late evenings.

MISCELLANEOUS

LOST—Man's ring, white gold, diamond, reward. (805) 497-4327.
 LOST—At Litton dance, lady's amethyst ring. \$10 reward. Jane Farley, 784-3034.
 SUPPLEMENTAL INCOME—Unusual financial opportunity in off-hour sales. 894-1552.
 CLASSICAL PIANO LESSONS—In your home. Call John Boettger, 887-4001.
 FREE KITTEN—Lovable black & white, house broken, 899-2261 after 5:30 p.m.
 IRONING—In my home, Granada Hills area, \$1 per hour. 360-2832.
 ALL DAY TOUR WEEKENDS—Inclng gourmet lunch, no cost or obligation, air cond coach, call for reservations. 889-3463.
 PHOTOGRAPHY—Specializing in weddings, references. (805) 495-1647.
 MAKE MONEY—With researched strategic acreage, call for info. 889-3463.
 SCUBA DIVERS—New club forming in San Fernando Valley. G. Moore, 765-4087 after 6 p.m.

HELP WANTED

Many Can of the Month containers are empty. There are many elderly people who cannot buy food when their social security checks run out, so they turn to the Professional Service Corps of Venice for help. That is where your contributions go when you fill the orange receptacles. This month the Corps can also use toys and clothing for the needy. The containers will be in Van Nuys lobbies and guard stations until December 23. Won't you help add a little joy to someone's Christmas?





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