



Volume 19-1

February 1981

THE PRESIDENT'S MESSAGE FOR THE NEW YEAR

Taking a look back at 1980 one sees a year of growth in sales and personnel but at a somewhat slower rate than the last few years. We moved into several new facilities but still have to accomplish some significant upgrading of our older buildings. After a year of frustrating delay in obtaining building approval for a new facility, the final approval was recently received from county officials. We will be breaking ground shortly for this 110,000 square-foot building just west of our main plant.

I am happy to report that our program managers made excellent progress in controlling the major programs, but continued success of the Company depends on meeting our delivery commitments. Last year we also added new management staff and our new organizations are rapidly settling down into smoothly operating units. We now have the necessary management strength and are consolidating into a more efficient organization. This year we must concentrate on working together, improving productivity through better ideas and communication, and reducing cost of operation by careful management of resources. I look forward to the New Year with confidence based on the quality of our staff, our excellent reputation, and our sound market position.



Editor's Note

For the past eighteen years the NEWS has been written to inform you of company events, but more than that to tell of the good that so many of you do and have done; to show the kindness of people working together; and with a little humor added in now and then for a lighter moment in the day. We hope you like the new format of the NEWS as it starts its nineteenth year.

QUALITY CIRCLES

A new movement is rapidly taking root throughout industry, business, and government. Employees and Management are communicating and using an approach which allows everyone to become involved in creating a better work environment. This approach is called:

- QUALITY CIRCLES -

This new direction in communication and participation has stemmed from the growing acceptance of the fact that the CREATIVE POTENTIAL and CAPACITY of any organization for generating ideas and solving problems is greatly increased if all employees are given a means to contribute. Consequently, the major premise of Quality Circles is that you the "EMPLOYEE" (whether supervisor, assembler, or manager) should be given the opportunity to participate in communicating, identifying, and solving problems that affect the performance of YOUR WORK GROUP.



Participants and Quality Circle Leaders of SBRC's first Quality Circle Leader/Facilitator Training Session were: Front Row, Left to Right: QC Leaders Terry Wilcox, Mary Garrett, Betty Palato, Billie Reed, Hazel Gaither. Back Row, Left to Right: Gene Cramer, QC Coordinator; John Baratiak, QC Facilitator/Trainer; Andrew Sharpe, QC Leader; Bob Feldtkeller, QC Leader/Facilitator; Jack Weber, QC Leader; and Ken Jordan, QC Administrator.

QUALITY CIRCLES have come to Santa Barbara Research Center and are growing. Our hope is that soon many will have an opportunity to join and be a part of a Quality Circle.

More information about QUALITY CIRCLES will be published in future issues of this Newspaper. In the meantime, if you have questions, or if you want more information, please contact Training and Development.

COST AND PERFORMANCE IMPROVEMENT PARTICIPANTS ARE HONORED

The SBRC News - published in the interest of the employees of
SANTA BARBARA RESEARCH CENTER

Editor — Howard Campbell

Staff

Tom Ball - Miriam Cranney - Grace Lewinski - Greg Krueger
Larry Shaw - Tom Sullivan - Steve Walker - Adviser Ed Ward

Management treated twenty-seven CIP participants to a fine dinner at the Holiday Inn on January 15 in recognition of their submitting approved CIP suggestions during 1980. After personally thanking the participants, Dr. Talley reviewed SBRC's 1980 accomplishments and stressed how critical cost savings are to all of us.

The CIP "winners" names for the first three quarters have been featured in earlier NEWS issues. For the fourth quarter are Bill Abshere, Dan Crandall, John Cryar, Tricia Martinez, Al McKay, Sheryl Rosness and Publications' Tom Sullivan, whose CIP led to the acquisition of a new larger press that printed this edition. Tom's detailed study showed a savings of over \$20,000 a year by being able to print inhouse a high volume of larger printing that previously had to be purchased from outside vendors.



Dr. Talley enjoys a conversation with Tom Sullivan and Tom Jackson, whose earlier CIP resulted in an annual savings of \$3,600.

YOUR BENEFITS

New updated pages for your Employees Benefits Program book have been mailed to you. Please read them carefully. For any questions, visit the Benefits Office or phone Ext. 2502.

SAVINGS PLANS VALUES

Equity Funds -	1.844
Fixed -	1.714

INCOME TAX FORMS

A small supply of Federal and State Tax forms are available in Sharon Guy's office; Rm D-205, Bldg 759

The Performance Improvement minded people are multitudinous. Eighty-six 1980 PIP participants who are helping make things run smoother at SBRC were honored with a luncheon at Ricardos on January 12 as guests of Dr. Talley and Management. Among the guests were the fourth quarter participants: Brenda Alexander, Jane Bates, John Bennett, Dorothy Borchardt, William Brockmeier, Harold Brown, Rick Buckelew, Beatrice Burquez, Linda Cahill, Carolyn Chambliss, Roger Cole, Jon Colman, David Cushman, Bonnie Donovan, Fred Erickson, Pamela Erickson, Jackie Esquivel, John Evans, Joy Forbes, Mark Frakes, John Fritsche, Judy Hess, Carla Johnson, Eugene Keech, Paul Kenyon, James Kreider, Robert Mace, Dara Manker, Leonard Martin, Frank Martinez, Tricia Martinez, Al McKay, Catherine Miller, Lawrence Mugg, Karl Neumann, Roderic Osgood, Richard Rodriguez, Sheryl Rosness, Robert Seward, Gertrud Straede, Lupe Valadez, Pamala Villarreal, Irene West, Jacqueline Wheeler, and Shirley Wills.

NEWS

SANTA BARBARA RESEARCH CENTER

Volume 19-2

March 1981

GROUND IS BROKEN FOR SBRC'S NEW MAIN FACILITY

On Thursday afternoon, February 12, it was a festive occasion with bright yellow canopies covering the speakers' platform on the knoll at the corner of the new main building site, and the refreshment tables below. With the adjacent area crowded with SBRC employees and many friends and leading figures from the Santa Barbara and Goleta communities, President Robert Talley and Congressman Robert Lagomarsino took shovels in hand and turned the first symbolic shovels of soil in the ground breaking ceremonies.

As a culmination of many years of planning and negotiations, thus the ground was broken for the Santa Barbara Research Center main facility, marking another milestone in the growth of SBRC, now the largest industrial employer in the Santa Barbara area. The new one-story-plus-basement building to begin construction next month with move-in planned for mid-1982 will bring our total



floor space to more than a half-million square feet of administrative offices, modern laboratories, manufacturing and support facilities.

President Robert Talley called the ground breaking the beginning of a long-range plan to consolidate our activities that are currently housed in 23 different leased locations in the area. "This new facility symbolizes both the healthy state of the company today and our commitment to the future economic prosperity of the community," Dr. Talley said. He noted that SBRC, which celebrated its 25th anniversary four years ago, now has a total employment of almost 2,000 people. (Cont)

NEW FACILITY GROUND BREAKING (Cont.)

This new building, centrally located among SBRC's existing facilities in the Santa Barbara Research Park, will have the address of 6865 Cortona Drive. In planning the new facility, Dr. Talley said that extra attention has been paid to environmental considerations, and noted that the building will have its own water and fire protection systems, which include a large water reservoir.

In the late afternoon sun, Congressman Lagomarsino gave an informative talk of Washington activities, congratulated the employees on the new addition and expressed his best wishes for the future.

With the employees and guests partaking of the ample refreshments following the formal ceremonies, SBRC's own musical group, "The Sun Downers" - Jim Orr, Laura Carloni, Ron Kluss and Don Kovek - lent a gala touch to the end of a big day at SBRC.



Ride Sharing

To help you with transportation needs, the Lompoc Van Pools and Car Pools have openings available. Contact Sharron Guy or the following people for more information regarding rides.

<u>Work Shift</u>	<u>Van Pools</u>	<u>Ext</u>
7:00-3:30	Dan Wear	4496
8:00-5:00	Mark Caswell	2425
<u>Car Pools</u>		
7:00-3:30	Carla Johnson	4406
7:30-4:00	Bill Ulmer	3115
8:00-5:00	Bill Strickland	2141

SBRC 1981 TWILIGHT GOLF SEASON PLANNED

The 1981 SBRC Summer Twilight Golf League is now being organized by Georgia Cervantes and John McCormick. Wednesday and Thursday nights have been reserved at the "Ocean Meadows" Golf Course (formerly University Village Golf Course).

Tournament play starts April 1st with 20 weeks of league play culminating with the Championship Tournament on August 13. The league will be team play with 24 two-man teams; 12 two-man teams playing on Wednesday and on Thursday nights. A modest entry fee of \$10.00 will be used for prizes. All those interested in playing please call Georgia (Ext 4493) or John (Ext 4407) for information and registration forms. Start swinging and plan to have a good time.

The Twilight League has had many memorable moments. Remember the two years that motion pictures recorded the highlights: Lionel Altman with snorkel and foot-fins coming out of one of the water channels with a handful of golf balls; Dr. Don Bode in a sand trap with his lovely secretary serving him champagne with bottle and champagne glass; Lloyd Scott hitting a tee shot - the ball went up, a parachute popped out and it floated to earth; Dean Upton caught changing his pants in the parking lot; the great Stan Benda coming home the 1969 Tournament Champ; and the fellow who hit a ball so far out of bounds that when he finally found his ball he'd lost the golf course. Those were the days...but it can happen again.

Remember Your Badges



If you have sometimes forgotten to wear your badge while at work, chances are you have met Jerry Strausser. Jerry, a Plant Protection Officer, has worked at SBRC for several years and has, among his other duties, the task of spot-checking proper use of employee badges throughout the Company.

Jerry, with notebook in hand, is often seen reminding employees not wearing badges that their infractions are tabulated in his records of individual building performance in terms of badge use. His records show that the personnel in the Pancake House, Oceanographics, the main plant and Goodell building have maintained high standards of compliance, while employees of some of the other facilities have not consistently done so well. We need to help Jerry in his task by being more careful.

Jerry's affable manner and the cooperation of employees have helped to ensure widespread compliance with SBRC's badge rules. More importantly, Government security inspectors have complimented SBRC for the high level of proper badge use.

1981 GO-CLUB COMMITTEE IS FORMED

From a plantwide selection by vote, your GO-Club committee representatives have been chosen for this year 1981. At the first meeting, the representatives elected the officers for the year and started organizing their activities. In the photo front center are the new officers: Co-chairwoman Dolores Giorgio, Chairman Jim Knight and Secretary Nina Baratiak. Right behind Jim and keeping her eye on him is Advisor Sharron Guy.



Those standing and identified by the operations that they serve are from left: Jean Ring (Mfg), Manny Rey (Mfg), Nancy Tamura (SIRS), Sherry Hurst (PA), Adrienne Jackson (IRC), Neil Getman (Adm), Joe Byrd (PA), Irene McLenithan (SIRS), Frank Vazquez (Adm), Carlos Venegas (PA) and Tom Webb (SIRS). Committee representatives not present for the photo are: Joe Bauer (EOI), Don Campbell (IRC), Rick Harper (EOI) and Jean Morris (Adm), and perennial Treasurer George Miles of Finance.

The GO (Give-Once) Club is a voluntary group of employees' representatives formed to enable SBRC employees to make contributions to worthwhile local charities through regular payroll deductions. Last year after studying and evaluating the needs and merits of the many charities, the committee representatives recommended and donated on behalf of the SBRC employees the total of \$36,390.00.

Saving Plans Values

Equity Fund - 1.734

Fixed Income - 1.731

EMPLOYEES' ASSOCIATION PLAN A FULL YEAR OF GOOD ACTIVITIES FOR YOU

...by Jon Colman, President

The main objective of this year's Employees Association committee is to involve as many of SBRC's employees as possible among the assortment of programs. We will be continuously attempting to originate new ideas and to arrange for a broader variety of beneficial functions available to all employees. Beyond some of the standard EA events (such as the Christmas Dance, Children's Christmas Party, and the Company Picnic) a few of the recent suggestions have included a Casino Night, SBRC Rollercoade, and bus trips to Dodger baseball games.

An aluminum can drive has already been started. Receptacles have been placed in areas near the vending machines in various buildings and will be collected routinely. Profits from this operation will go toward either an educational fund or another charitable purpose. In addition, the Semiannual Blood Drive and Spring Dance are currently in the planning stages for upcoming months.

The EA committee members will welcome any and all worthwhile suggestions from fellow employees. If anyone has any questions as to how they can benefit from the EA or if they should want to volunteer their services to aid any of the events, don't hesitate to contact any of the committee members. We will be more than happy to hear from you. We will look forward to seeing you during the coming year.



Years Of Valuable Service

Melbourne Johnson, Associate Director of Product Assurance, completed 20 years in February. As Head of Reliability from 1961 to 1976, Mel has continued to be a key man in assuring the reliability of our products. His compilation of the history of the outstanding reliability of our space products did much to help win many proposals over the years.

Wally Kunimoto, Cryogenics Project Engineer, completed 15 years and has much of which to be proud; his part in designing and

developing the passive radiative coolers led to the many successes of our space instruments. Wally is also a noted authority and creator of miniature Bonsai trees that he grows at his Hope Ranch home.

These men and the following people are to be congratulated for their worth to SBRC.

10 Years: Margaret Miller, Laboratory Assistant in SIRS; and Jesus Reynoso, Administration Utility Worker.

5 Years: Linda Antles, Material Control Assistant in SIRS.

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SUPERIOR PERFORMANCE AWARDS

Selected as representative of the many SBRC people who perform outstanding and dedicated work, Rose Adair and Roy Beeck have received from President Robert Talley the Superior Performance Awards for 1980.

In Rose's twelve years with SBRC, from the early AIM-4H Fuze development program to the fabrication of test equipment for the DSU-15 and DSU-21 production models, she has played a vital role in many SIRS product lines in their early stages of development, such as the Fire Sensors, DSU-16 and AIM-H AOTD. Quietly and expertly she has consistently been a key performer year after year; on each program once the work has become routine, Rose has been assigned to newer products to help start them on their way.

In Ray's fourteen years with SBRC, he has applied his technical skills to prototype assembly in experimental and development work on radiative coolers, vacuum dewars and related products. In space instrumentations, where epoxy paints are used in exotic and environmentally demanding situations, his skills have been essential. On the many programs he has worked on over the years: the NIMS, MSS, VISSR, VAS, HI-CAMP and the Thematic Mapper, programs with exacting and demanding specifications, Roy has earned the praise of project engineers and program managers for his expert and diligent efforts.



SBRC Asst. Manager Jay Farnsworth and Special IR Systems Product Line Manager Norman Rigby join in congratulating Rose and Roy at the noontime presentation in the patio, along with a host of employees who attended to honor the award winners.

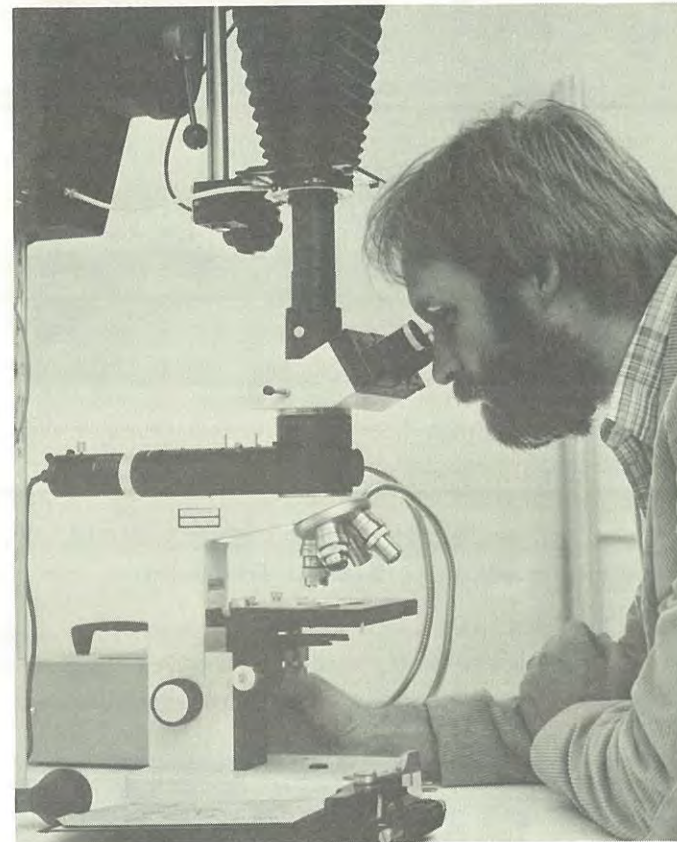
The Photographers

Talent, dedication and high technical competence mark our photographers, all top graduates of Brooks Institute. Photography-Illustration supervisor Greg Krueger uses the Leitz microscope with the MP-3 camera to photo a microminiature detector array that will be enlarged to fill an 8x10 color print in sharp detail. Matt Weinberg, our newest photographer, took this picture.

Organized, efficient, Lupe Martinez is the sunshine in the photo office, keeping a trim ship for the photographers and engineers.



Mike Burns, using a Speedmaster Densitometer, constantly monitors and charts the chemistry for correct balance that is all essential in the automated (and some computerized) color photo processors.



Mark Janorschke works through the nights so that engineers can have their prints and viewgraphs the next morning. Mark uses the color negative analyzer and Super Chroma color enlarger to blend the correct colors in producing the custom prints.



April 1963

April 1981

PUBLICATIONS - 18TH YEAR ANNIVERSARY



In its 18th year, Publications produced for company business and for customer contractual requirements over 6 million printed pages, 13,000 viewgraphs for engineering and sales presentations, 9,000 pieces of art work, and 38,000 photographic pieces for prints, viewgraphs and displays.

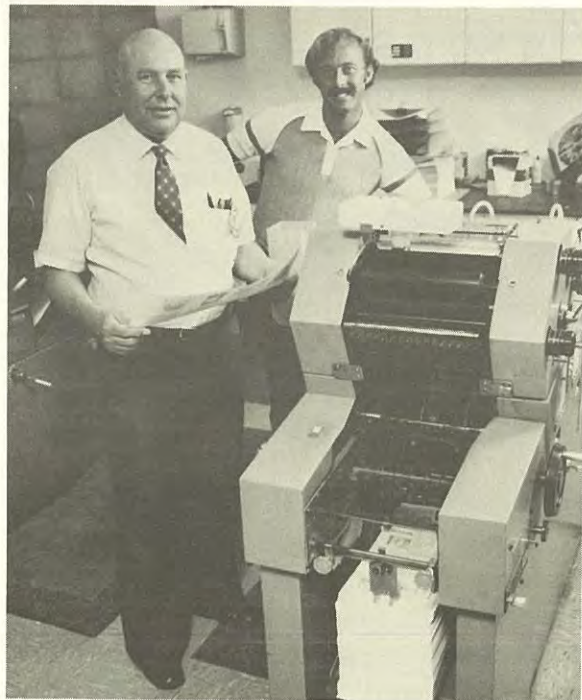
A far cry from April 1, 1963 when it all started with four people in an airport building, a wheezy old press and a wet-dry copier that made perhaps 36 or 37 copies a day for the engineers.

The night Howard Campbell met Tom Ball up at Brooks Institute in 1974 was the best thing that ever happened for them, for Publications, and for SBRC engineers.

Taking the baton from Mike Verbois, now vice president at Brooks, Tom has more than proven his worth in building a team of top photographers, and with them one of the best automated color processing labs in Santa Barbara. Now Tom takes the baton from Howard as Head of Publications. Howard is doing a Walter Cronkite on April 30, 1981. He's going sailing.

Pure gold. Miriam Cranney, the heart of Publications, the best friend the engineers ever had and they appreciate it, has been with Howard all the way.





April 19, 1963 the first SBRC NEWS appeared. It featured some SBRC men presenting papers at an IRIS. Frank Malinowski spoke on the wonders of the Nimbus Five-Channel Radiometer (co-author Robert Hummer); Allen Sochel on the then sensational Surveyor Canopus Sensor (co-author Gene Peterson); Jim Young on the Wire Grid Polarizer (co-authors Andy Graham and Gene); and the father of Infrared Components Dr. Don Bode told of the very newest detectors "Copper versus Mercury Doped Germanium." Except for Bob Hummer who did so much for our outer space successes, all these good men, bless them, are still here at SBRC.

In 1967, a professional printer came to apply for Publications work. We had acquired our first good press and when told that we printed 100-plus setups a day, he fainted and fell off his chair. Revived, Tom Sullivan became a mainstay in Publications, quietly keeping production on an even keel when crash deadlines had to be met. Steve Walker, another highly versatile printer, joined us this past year.

On the newer 9400, well-liked Fred Morelli prints for the people in EOI. Fred takes a pride in finding the best settings for print quality.



Since 1969 printer Jerry LaPisto has been our "Mr. Do-it." If you needed something extra done, you just asked Jerry. Early on he sped up securing needed supplies, and for several years took good action photos for the NEWS. He and Frank Vazquez turn out the high-speed high-volume printing on the 9400. Both have always gone the extra mile in working overtime and on weekends to help people meet their deadline commitments.

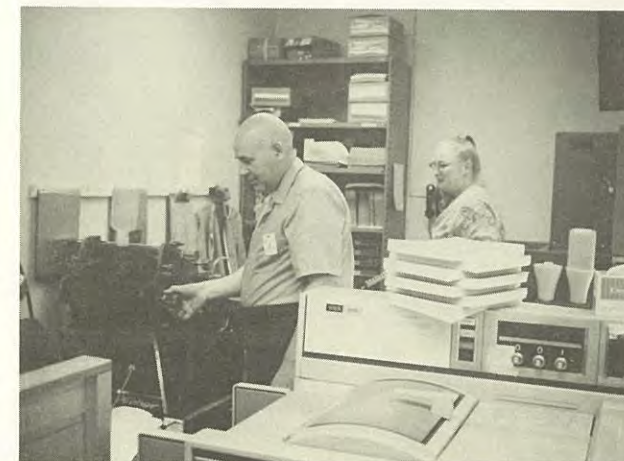


Illustrations now has a well-equipped room with four illustrator light tables. From 1971, Publications' quiet hero Larry Shaw turned out a prodigious volume of quality illustrations on one of Al Sawyer's drafting tables and a light box. When he went on vacation it took three illustrators to do his work. With Larry above is Jim Grobe, a very talented illustrator-artist. Bianca Brubaker, our newest illustrator, is doing well.

Our typists put out books, viewgraphs and fires for hard working engineers. Below are Diana Moreland, Jackie Wheeler and Dorothy Nelson with editor Rich Jensen. Sue Gagnon, our newest typist, is experienced in Publications and does fine work.



We've come a long ways since the early days. In 1968 Miriam and Tom in the print shop put out the Jupiter proposals over a Thanksgiving holiday. We were four and a part-time person. In 1970, moving to Room N-27 we were six and two part-time people. Beth and Nancy worked diligently side by side in helping produce 57 proposals, 148 reports, 804 viewgraphs that big year and Tom and Jerry printed 802,448 pages.



SPORTS NEWS TRACK AND FIELD



The first Annual Research Department Medley Relay Race was run May 27th at the UCSB track. Al Hoffman, Sports Chairman of the Employees Association, organized the event which involved 5 participating teams from the R&D Department. The "underdog" team, consisting of Kevin Riley (1/4 mile), Art Lockwood (1/2 mile), Steve Price (1/2 mile), and Jim Myrosznyk (1 mile), surprised all participants by literally walking away from the competition. The winning total time was 11 min 21 sec, which will be the time to beat in future events. If interest from other areas of the company is forthcoming, perhaps an "open" SBRC race can be organized to allow for stiffer competition. Those interested in entering teams for future events should contact Al Hoffman.

SOFTBALL

The Publications Vultures are looking for other softball teams for some informal Saturday or after-work games. If you have a group of 7 or more people who want to come out and pull some muscles, call Jim Grobe, Ext. 2200.

GOLF

Carolyn Nielsen of EOI shot a hole-in-one at the Industry Hills Golf Course on April 6. This amazing feat was accomplished on the 158-yard 13th hole.

BUILDING 777 UPDATE

For those who may not have noticed (or come face-to-face with a cement mixer at 8:00 in the morning), work on Building 777 is progressing on schedule. The first floor exterior walls and floor are complete and work is progressing on the second floor.

Occupancy during the second quarter of 1982 is the projected goal.



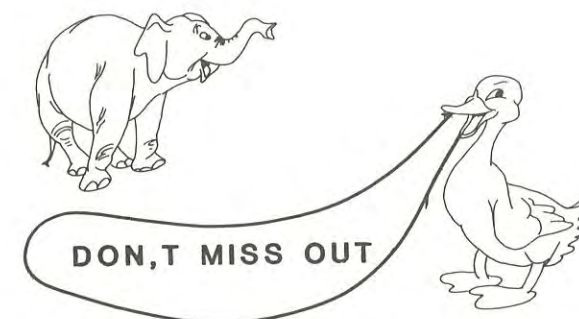
July 1981

YOU BELONG IN THE ZOO!!

Get ready for the big event of the year: the annual Santa Barbara Research Center picnic! This year's picnic will be bigger and better than ever; it will be held at Childs Estate Park, adjacent to the Santa Barbara Zoological Gardens, on Saturday, July 25, from 10:00 AM to 4:00 PM.

We have a delicious meal planned for everyone: tri-tips, baked beans, potato salad, green salad, and garlic bread, plus lots of popcorn, hot dogs, and soft drinks. For the competitive types, we have a volleyball tournament, a backgammon tournament, bingo, and the famous afternoon games! Volleyball team rosters must be submitted to Frank Nicolas (Bldg 773/MS 28) by July 17, and prospective backgammon types must submit entry blanks to Linda Tyler (Bldg. 771/MS 37), also by July 17.

The entire family will enjoy the zoo and its many colorful inhabitants. There is also a playground area near the picnic grounds where your children can enjoy the swings and climbing equipment. Everyone is free to enter the zoo throughout the day, as the entrance fee is included in the price of your SBRC ticket.



The best part is that you can enjoy all of this for only \$3.00 for adults, \$2.00 for youth (11 to 18 years), and children 10 years and under are FREE!! The last day for ticket sales is July 20. Bring the whole family and join us for a fun day at the zoo.

HAC OPINION SURVEY



On Tuesday, July 14, SBRC employees were bused to UCSB for the Hughes Aircraft Company Opinion Survey. The survey, conducted by Hay Associates, encompassed a wide range of subjects pertaining to SBRC and our individual perceptions of the "big picture." All questionnaires will be confidential and handled only by Hay, Inc., personnel, and the results will be made available to all employees some time in the fall, according to Hay representative Steve Dutton, who administered the survey.

PIP/CIP REPORT

During the second quarter of 1981, the following five employees received credit for approved CIPs:

Daniel R. Crandall
Ralph W. McCollum
Joseph Ortega
Ronald E. Starr
Pamela J. Villarreal

Total CIP savings for the second quarter totaled \$24,166.

During this quarter, 54 PIPs were approved. The following 63 employees participated in the Performance Improvement Program the past 3 months:

Barry L. Acquistapace	Gary J. Lieber
Stella D. Anthes	James A. Lookabaugh
Dorothy A. Anthimiades	James Morrison
Ronald D. Armstrong	Ken L. Nelson
Ronald B. Bengs	Joseph Ortega
John R. Bennett	John A. Pasch
Kim H. Bloeser	Anthony J. Paul
Rebecca L. Bogart	Rose A. Pille
William L. Boyes	Julian Pineda
H. Jay Brown	Earl W. Pugh
David C. Brumble	Frieda Rothchild
Richard L. Careyette	Richard D. Ruiz
Pierce F. Clarke	Nancy J. Sell
Russell E. Curtiss	Catherine A. Shreve
Howard W. Davis	Leanna Smith
Wendy L. Douglas	Patricia E. Smith
Peter H. DuBrule	Mary E. Spears
Richard A. Dye	Craig L. Spinner
John G. Eisler	George F. Stark
Jackie Esquivel	Alice J. Stauff
Mark W. Frakes	Stanford A. Tharp
Mary A. Garrett	J. Dan Turner
Micheal L. Gensler	Concepcion Valverde
Mark T. Giroux	Lucy C. Vasquez
George S. Harms	Alice I. Westrip
Sandra K. Harvey	Tammy Whaley
W. Bert Hornback	George L. Whiteman
Carla D. Johnson	Diane L. Wiersum
Gladys E. Kimzey	Patricia R. Woods
Gary A. Korte	Laura E. Woodson
Donald K. Kovek	John R. Young
Kevin A. Lee	

To date Manufacturing personnel have submitted 67 PIPs. The other major organizations' submittal records are: Administration 10; EOI 11; IRC 3; Product Assurance 25; and SIRS 7.

SBRC SCHOLARSHIPS

Every year SBRC contributes funds to the Santa Barbara Scholarship Foundation, enabling selected local high school graduates to continue their education. This year five individuals received Santa Barbara Research Grants. They are: Kim Marie Innes, from Dos Pueblos High; Robin Olmstead, from Santa Barbara High; Andrew Laird Pearce, from Carpinteria High; Susan Lynn Jacobs, from Santa Barbara High; and Kevin Patrick Gibbons, from Bishop Garcia Diego High.

Any employee wishing further information on this worthwhile effort should contact Sharron Guy, Ext. 2600.

YEARS OF VALUABLE SERVICE

The following people received service pins in May and June: 5 Years - Emma Williams, Esther Aubrey, Carolyn Reed. 10 Years - Larry Shaw, Rupert Barber, Joseph Banach, Louis Dias, Hans Thielemann, Sharon O'Rand, Edward Reis. 15 Years - Courtney Manker, Bill Abshire, Robert Cooley. 20 Years - Art Eneim, Carl Wanless.

In addition to the above, George Burgess and Sidney Ackert were recently awarded their 25-year pins.



Al Herboldsheimer and Sid Ackert are shown with the flag they were instrumental in having installed at the Beaver complex. Check it out next time you're down there.

SBRC EMPLOYEES HONORED DR. PETER BRATT RECEIVES INVENTION AWARD



On 25 June, Dr. Peter R. Bratt, Senior Scientist in the R&D Department, received an L.A. Hyland Invention Award at an awards dinner given by Hughes Aircraft Company. At the ceremony, Peter received a check for \$5,000 and a certificate of appreciation.

This award was presented in recognition of a patent that resulted from his IR&D Project in 1974 and helped pioneer our way from one-at-a-time laboratory HgCdTe detector array fabrication to today's wafer processing methods. This invention, combined with Peter's many innovations to material and device technology over the past 17 years at SBRC, has contributed greatly to the Hughes Aircraft Company's ability to become a system supplier of the M-1 Tank Thermal Sight and the Infrared Imaging Maverick Seeker Head.

Congratulations Peter, SBRC thanks you.

RAY ROMAC ELECTED TO AIIE POST

On May 21, 1981, Ray Romac, Senior Industrial Engineer for SBRC, was elected President of Coastal Valley Chapter #184 of the American Institute of Industrial Engineers (AIIE). The chapter, which covers the coastal area from Thousand Oaks to San Luis Obispo, has 66 active members, all professionals in the field of Industrial Engineering.

The AIIE chapter is concerned with the continued advancement of its members in methods engineering design and improvement of manufacturing systems, supervisory skills, and labor measurement. This is done by drawing upon its members' specialized skills in their various industries, attending training seminars, and visiting other interesting companies.

Ray's responsibilities in the Industrial Engineering Department include all lab layouts and facilities planning, which will include the design and implementation of the manufacturing areas for the new Building 777.

SAVINGS BONDS NEWS

Series EE Bonds held until maturity now yield 9.0% per annum. For EE Bonds issued after October 1980, the maturity period is eight years; at the end of one year the annual yield for the period from issue to redemption is 6%; at the end of 2 years the yield is 6.5%; 3 years, 7.5%; 4 years, 8%; 5 years, 8.5%. For more information on this payroll deduction method of saving, call Sharron Guy at extension 2600.

SAVINGS PLAN VALUES

Savings Plan Values as of 29 May 1981
EQUITY - 1.8383161 FIXED - 1.8408967

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Editor - Thomas R. Ball

Writer - Richard U. Jensen

-STAFF-

Greg Krueger - Miriam Cranney - Lupe Martinez
Larry Shaw - Tom Sullivan - Steve Walker - Advisor Ed Ward

1981 CHRISTMAS DANCE

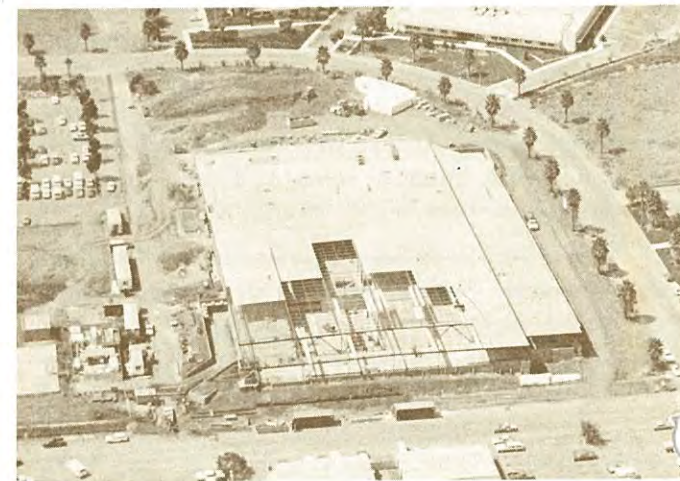
Volunteers are needed to help plan the decoration of the Earl Warren Showgrounds for the Christmas Dance. This large domed building represents quite a challenge so we would appreciate input from all on ceiling decoration. Suggestions have included parachutes, canopies and balloons so feel free to call with your innovations. Contact Wendy Weiss at ext. 2532 or Lucy Thoms-Harrington at ext. 2315 to volunteer for the Decorating Committee. Thank you!

GOLF NEWS

The SBRC Golf League season came to a close with the Wednesday and Thursday night league champs being determined on September 9th and 10th. The winners of each night will then be matched to determine the overall league champions during our final 18-hole league tournament and awards night at Sandpiper golf course on September 26th. Making a bid for the championship are the teams of Bill Veigle/Chuck Nockey, Wednesday champs, and Bill Ulmer/Jim Montano, Thursday champs. Georgia Cervantes and myself, John McCormick, wish to thank all the league players and substitutes for their cooperation, good sportsmanship, and fair play which have made this year's golf league both enjoyable and rewarding to all who have participated. Georgia and myself plan to run the league next summer along with organizing regular year-round monthly tournaments, so if you have not participated and wish to join in, please call us and make yourself known. The more the merrier.

BLDG B-1 UPDATE

Building B-1's structural system is scheduled for a completion date in late September and emphasis is being placed on an early occupancy of the West Bay. Construction is progressing rapidly to achieve a Christmas Break move-in of 14,000 square feet of light cleanroom manufacturing, along with the majority of the building's support and process systems in the lower level. During the next three months an accelerated schedule is being applied to complete all occupancy requirements for the West Bay and the installation of electrical, mechanical, and process equipment. This includes air conditioning, hot and cold water, chilled industrial water, deionized water, recycled water system, compressed air, liquid nitrogen piping, plus all process gas piping and storage. Occupancy of Central Bay, East Bay, and the remainder of the lower level is planned for the second quarter of 1982.



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-STAFF-
Greg Krueger - Miriam Cranney - Lupe Martinez
Jim Grobe - Tom Sullivan - Steve Walker - Advisor Ed Ward

EFFECTIVE PRESENTATIONS

Sixteen SBRC Managers and Supervisors recently completed a 3-day seminar in "Effective Presentations". They received instructions in organizational techniques, story boarding, and presentation techniques!

The course was presented by Ralph Carey and Jane Mayer of the Hughes Corporate Presentation office. This office develops standards of presentation and conducts seminars throughout Hughes, to orient Marketers, Managers, and Supervisors in accepted presentation techniques.

SERVICE PINS

The following employees received service pins during the months of July and August. 5-Year: Aram Mika, Robert A. Anderson. 10-Year: John Wills, Alan Herboldsheimer, John McMillan, John Toman, Bud Evans, Chris Hansen, Donald Kuyper, Francis Voisenat. 15-Year: Edgar Russel, Robert Bettex, Richard Kaltenhauser, Michael Slonaker. 20-Year: George Bunson, Norman Grant, Lonnie Northey. 25-Year: Samuel Guzik.

Savings Plan Values as of 31 August 1981:
EQUITY -- 1.7244862
FIXED -- 1.8908955

NEWS

SANTA BARBARA RESEARCH CENTER

October 1981

MLA...THE LOOK OF THINGS TO COME...

SBRC has a long and successful history of involvement with NASA's LANDSAT program. As the Thematic Mapper (TM) second-generation LANDSAT imaging system contract proceeds toward completion, preliminary studies are already underway for NASA's third-generation LANDSAT imaging system: The Multispectral Linear Array (MLA). The MLA program at maturity could very well amount to more than the total TM program.

NASA's Goddard Space Flight Center (GSFC) of Greenbelt, Maryland, will continue to hold the reins on such advanced LANDSAT sensor systems, while the daily operation of the Land-Observation System will transition to private sector operation. With such a large contract potential at stake, SBRC is more than just casually interested in the MLA.

Following a proposal to GSFC in December, 1980, SBRC was awarded a six-month MLA study contract ending December, 1981. The contract, under the direction of Herb Richard, Technical Officer, and Lou Ann Stanley, Contracting Officer, specifically covered the MLA optical design. However, the potential MLA hardware awards have provided incentive for SBRC to provide company support for a full-scale MLA system study, which goes beyond the contracted optical design. EOI's Aram Mika is managing the overall study, with Dr. Roger Withrington directing the Space Sensors Division optical design effort on behalf of the study.

In addition to the optics work, the six-month program includes delineation of the linear focal-plane array (FPA) with six spectral bands totaling more than 60,000 detectors, both visible and near infrared. This novel FPA concept will allow the MLA to operate as a "pushbroom" sensor. The adjective refers to the fact that, unlike the TM sensor with its large scanning mirror assembly, automatic FPA scanning takes place as the MLA flies along in orbit, continuously imaging a 185 km swath of earth on the extensive linear detector arrays. Fewer moving parts means enhanced reliability and image quality. Rich Thom of SBRC's IR Components Division is heading the MLA FPA study effort with support in the visible array area by HAC Carlsbad Industrial Products Division under the direction of Dr. George Hershman. Potential hardware contracts include not only MLA instrument development but also a separate infrared detector array contract.

In spite of stiff competition from other recognized leaders in the aerospace industry, the SBRC/HAC participants in the MLA study midterm review at GSFC on 11 September came home with the feeling that the NASA audience was very pleased with the technical depth of the presentation.

The MLA presentation team included Lloyd Candell, EOI manager, Aram Mika, MLA study manager, IRC's Rich Thom, EOI's Art Chapman, Dick Cline, and Jim Hesson, and HAC Space Sensor System's Dr. Brent Ellerbroek.

FUZE NEWS

A new 14.4 million dollar Navy contract was recently awarded to the Missile Fuze Lab of SBRC for a quantity of DSU-15A/B target detectors. Deliveries will follow the present contract and will continue through June, 1983.

John Calandro, Missile Fuze Manager, and George Hudak, Program Manager, were pleased with this most recent award and expressed appreciation for the outstanding employee performance throughout this program. They also noted that if the fine effort demonstrated during all phases of the improved version of the DSU-15/B continued, it could help us maintain the competitive edge for future add-on contracts.

VENDOR HONORED

Cal-Tool Corporation has been awarded the SBRC Supplier Superior Performance Award. The award, presented to Cal-Tool president Robert Tucker by SBRC president Robert Talley, honored Cal-Tool for their support of the DSU-15/B program. Dr. Talley praised Cal-Tool at the presentation, saying "Cal-Tool has been an extremely effective vendor, willing to co-operate, exercising expertise, and providing quality parts with the minimum of effort."

A substantial number of detector cases, forward plates and aft plates used on the DSU-15/B program were fabricated by Cal-Tool; the company is currently producing the external case for the DSU-15A/B program.



CRIME PREVENTION TIPS

If, after watching Hill Street Blues (or the LA News), you're worried about being the victim of a violent crime, the Santa Barbara County Sheriff's Department has some good and bad news for you. The good news is that Santa Barbara is fairly low on felonies and you stand a far better chance of being in a traffic accident than a felony victim. The bad news is that we live in an area with a high rate of crimes against property: The unincorporated county areas alone average between 6,000 and 7,000 thefts and burglaries each year. According to the Sheriff's Department we can greatly reduce the chances of being victimized by a property-related crime by heeding the following suggestions:

1. Always lock your doors and windows even when leaving for "just a minute."
2. NEVER leave a house key available; under a doormat, in a flower pot, or on the ledge of the door. **THESE ARE THE FIRST PLACES A BURGLAR WILL LOOK.**
3. Exterior doors, should have a "deadbolt" lock with a 1-inch strong metal bar extending into the door frame.
4. Sliding doors and windows should all have "ventilation" locks as well as auxiliary locks to bolster security.
5. Be sure to include good locks for garage, cellar, patio, or other doors that lead out through storage areas or a spare room.
6. When on vacation, use timers so that lights, radio, and T.V. go on and off throughout the house to indicate someone is home.
7. For longer trips be sure to stop mail and newspaper delivery or have a neighbor collect them daily.
8. **IN SHORT--MAKE YOUR HOME LOOK "LIVED IN."**
9. Install a wide-angle lens viewer in the front door. Never open the door without knowing who is there.
10. Consider alarm systems or trained security dogs for additional protection.
11. Whenever you move to a new home, have the locks changed.

In addition, the Sheriff's Department conducts Operation Identification and recommends the following steps:

1. Mark your valuables with your California Driver's License number preceded by the letters "CA."
2. Post Operation I.D. stickers in your doors and windows to warn housebreakers to stay away.
3. Burglars don't want marked merchandise because it is difficult to fence and evidence of guilt if they are caught.
4. So mark your items as conspicuously as possible without defacing them.
5. Photograph those items that cannot be engraved (Jewelry, silverware, antiques).
6. Operation I.D. also facilitates the return of stolen property when it is recovered.

For more information, contact your nearest Santa Barbara County Sheriff's Department office.

SHROUD OF TURIN UPDATE!

Pictured at right are Sam Pellicori, a member of Dr. Paul Norton's microelectronics processing engineering staff, and Professor Luigi Gonella of the Polytechnic Institute of Experimental Physics in Turin, Italy. Professor Gonella is the technical interface between the scientific team of which Sam is a member, and the custodians of the Shroud of Turin. Sam was the principal investigator for the ultraviolet fluorescence studies, reflectance spectroscopy, and photo microscopy. Professor Gonella was here to discuss how the results of the Shroud research team were received in Italy.



YOUR GO CLUB

Your 1981 Go Club Committee has been busy with monthly meetings. Through July 1981 the following allocations have been disbursed:

After School Project	\$500.
Alpha Training Center	\$1500.
Community Center on Deafness	\$2500.
Drug Abuse Prevention Center	\$1000.
El Concilio De La Raza	\$2000.
Guide Dogs for the Blind, Inc.	\$2500.
Hospice	\$1500.
PTA Creative Arts Co-Op	\$250.
Scholarship Fund	
Rape Crisis Center	\$2100.
St. Vincent's Special Olympics	\$1590.
Salvation Army	\$2000.
Santa Barbara Rescue Mission	\$2100.
Shelter Services	\$2000.
Work, Inc.	\$1000.

If there is a non-profit organization you want your committee to consider allocating funds, please notify one of the following representatives: Joe Bauer, Arthur Brown, Joe Byrd, Don Campbell, Neil Getman, Rick Hayser, Adrienne Jackson, Bob Mace, Irene McLenithan, Jean Morris, Beverly Nusser, Manny Rey, Jean Ring, Nancy Tamura, Frank Vazquez, Carlos Venegas, Tom Webb, Wendy Weiss.

Thank you letters have been received by the 1981 Go Club Committee from Council of Christmas Cheer, Drug Abuse Preventive Center, Helpline, Hospice, PTA Creative Arts Co-Op, Rape Crisis Center, St. Vincent's Santa Barbara Council for the Retarded (Alpha Training Center), Santa Barbara Rescue Mission, Shelter Services for Women, Inc., and Work Inc.

Go Club annual membership drive is October 19-23. Watch bulletin board for more details.

HIGH SCORE FOR SBRC IR&D PLAN

by Dr. Donald Bode

The IR&D workers at SBRC should be proud of the score they achieved on the 1981 Technical Plan. These annual reports from major government contractors are reviewed by teams of DoD and NASA scientists and engineers throughout the country. The scores are then collected and tabulated by Dr. Frances Rensvold at Andrews Air Force Base.

SBRC has just been informed that our score for the 1981 Technical Plan is 8.39 out of a possible 10. This is the highest score SBRC has ever achieved. Using a histogram of 1980 scores as a guide, there would be only 6 out of the 125 companies in the United States that would exceed SBRC.

The SBRC IR&D Team is to be commended for their achievement.

EVENING STUDY PROGRAM

As part of SBRC's Evening Study Program five new courses are being offered to any and all interested employees. These courses are open to all employees who believe they can benefit from the program and have the necessary educational background. Enrollment is limited so apply early; if enough interest develops for a particular course, a second session will be scheduled.

Training and Development is offering the following courses: EFFECTIVE TIME MANAGEMENT, HOW TO ACCESS THE VAX 11/780, INTRODUCTION TO ELECTRONICS ATEP 168, HOW TO ORGANIZE AND WRITE REPORTS, PROPOSALS, PRESENTATIONS.

For further information, contact Training and Development at ext. 4152.

PIP/CIP REPORT

During the months of July, August and September 1981, the following employees received credit for approved CIPs: Dorothy A. Anthimiades, Pierce F. Clarke, Mary J. Freche, H. Chris Hansen, Richard N. Hope, John A. Pasch, Edward R. Royka, and George F. Stark.

Total CIP savings for the quarter totaled \$46,121. Employees with approved CIPs will be treated to a dinner in January.

In addition, during this quarter there were 52 PIPs implemented with 46 employees participating. Processing of CIPs/PIPs will be expedited by sending them through the organization coordinator in your area. The coordinators are:

Product Assurance	Bud Evans
Administration	Dottie McKiddie
IR Components	Adrienne Jackson
SIRS	Fritz Malek
EOI	Marian Robinson
Manufacturing	Shirley Wills

The following employees had approved PIPs and will be honored with a luncheon in January: Salvatore (Sam) Abate, Irene N. Agius, Brenda Y. Alexander, V.K. (Andy) Anderson, Dorothy A. Anthimiades, Wilson N. Aquino, Ronald D. Armstrong, Jean V. Baker, Jane E. Bates, David C. Brumble, Rosalie Camacho, Carolyn K. Chambliss, Pamela J. Conner, C.P. (Pat) Coulson, Stephen C. Cox, Daniel R. Crandall, Lawrence V. Culliver, Nola M. Ebrahim, Carrie J. Ericksen, Fred D. Erickson, Tina L. Esquivel, Wilma D. Fangauf, Florence Fong, Thomas F. Grace, H. Chris Hansen, Ramona M. Hernandez, Gregory A. Hughes, David J. Ivory, Carla D. Johnson, Judith A. Kolanek, Richard W. Kraemer, Joanne D. Llamas, Bruce J. Macauley, Elizabeth E. McCormick, Kathleen M. Mezo, M. Jean Morris, Denise Northrup, Dean O'Donnell, Joseph Ortega, John A. Pasch, Jean L. Ring, Richard L. Rodriguez, Sheryl K. Rosness, Leanna Smith, Dolores L. Wallace, Emma M. Williams.

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CASTLES IN THE SAND

by Gary A. Korte

The 8th Annual Sand Castle and Sand Sculpting Contest, sponsored by Santa Barbara Bank and Trust and the City Recreation Center, was held Saturday, October 10th at East Beach. There were categories for both non-profit and professional organizations in each of two divisions: Sand Sculpture and Castles. Lemar (left) and Gregg Luke, both SBRC employees, entered the "professional" sand castle category. It took three hours to build their "Lukehurst Castle", for which they won top honors in their category and received the Mayor's trophy. Great Job, Guys!



HOLIDAY NOTES

The annual Christmas Tree Project affords us the opportunity to share our blessings with those less fortunate than ourselves. The Christmas trees to be placed in each facility will have a colorful box nearby for donations of packaged and canned food. The Employees' Association will present the donations to the Council of Christmas Cheer for distribution to local needy families.

Two paychecks will be issued on Wednesday, December 23, 1981. One paycheck will be the check normally scheduled for distribution on Friday, December 25, 1981. The second paycheck will be the check normally scheduled for distribution on Friday, January 1, 1982.

OPINION SURVEY RESULTS IN

Management recently received from Hay Associates the results of the employee opinion survey. This information is currently being reviewed and a report to all employees is being developed. The initial report will be released in early January.

NEWS

SANTA BARBARA RESEARCH CENTER

December 1981

MERRY CHRISTMAS

DR. TALLEY'S COMPANY WIDE MESSAGE

In a series of talks during the last week of October, SBRC President Robert Talley brought the employees up to date on the current status, future plans, and general outlook of both the industry as a whole and SBRC in particular. Dr. Talley noted that SBRC is a "balanced, high-technology aerospace company in the optical and infrared fields..., big enough and well enough established to be successful as a well-rounded company." Looking at the future, Dr. Talley noted that the Reagan Administration's emphasis on defense and the economy has both good and bad aspects in our field: the increased spending on defense will benefit those programs so oriented; however, these benefits will be at the expense of "civilian spending including NASA programs." There will be "an increased emphasis on competition in production programs like Common Module and Target Detectors."

In the area of Facilities, Dr. Talley noted that partial occupancy of Building B1 will begin in December (over Holiday Shutdown), with completion in May of next year. The SBRC property in Santa Maria is in escrow and plans call for construction of a 50,000 ft² facility there within the next few years.

Company sales and earnings "again exceeded the plan for 1981, but this will be harder to achieve in future years as major programs drop down." Dr. Talley stressed that "more efficient use of resources shows up in overhead reduction. We must fight to work smarter." The current staffing level is around 2,000, and "programs are looking better as problems are solved."

Highlights of the year include: protoflight Thematic Mapper shipped on schedule, and the contract has moved to SBRC; one VAS and one



VISSR flown; all Common Module programs on schedule; successful test program on fire sensor in aircraft, and award on first contract; shipment of the 20,000th DSU Target Detector; and highly successful detector technology that led to a grade of 8.4 on the IR&D program, placing SBRC above 95% of the rest of the country in overall results.

TM PROTOFLIGHT

The Protoflight Thematic Mapper was delivered to NASA/Goddard Space Flight Center at the General Electric facility in Valley Forge, Pennsylvania, on October 1, 1981, completing an extensive interaction and test program that extended over 12 months. The instrument will be integrated with the LANDSAT-D spacecraft by GE, with the launch date scheduled for July 1982 from the Western Test Range.

Delivery of the Protoflight TM within the schedule required for the LANDSAT-D spacecraft represented an extraordinary achievement on the part

(continued on page 2)

TM PROTOFLIGHT (Cont)

of the SBRC-Hughes team. This achievement has been recognized with numerous compliments from the customer.

A complete set of bench test and calibration equipment was delivered at the same time. This equipment will be used by GE to demonstrate and monitor the performance of the TM. The test equipment is being operated by a team of five SBRC personnel led by Jim Love, Manager of Field

Test Operations. Others presently at GE are Connie Akers, Yas Ban, Bob Burns, Tim Wise of SBRC, and J.J. Moore of HAC.

The Thematic Mapper contract was awarded in 1977 for delivery of three instruments. The first two, the Engineering Model and the Protoflight, have now been delivered; the remaining instrument, the Flight Model, is scheduled for October 1982.

CHRISTMAS FOR KIDS AT SBRC



Four hundred and thirty-seven children and their parents attended this year's Children's Christmas party on Saturday, December 5, in the Patio/Luncheon area. There were clowns, balloons, cookies, popcorn, gifts, and stockings.

Santa chose to switch roles this year, so while he baked cookies at the North Pole, Mrs. Santa received messages from each child for him to respond to. One little tot said she didn't care about presents, but would Mrs. Claus PLEASE relay to Santa that she loves him very, very much. There was much sunshine inside and out.



20,000th DSU DELIVERED

On November 5, 100 invited guests joined Dr. Talley and the management and employees of SBRC in ceremonies recognizing the successful delivery of 20,000 DSU-15 and DSU-21 Active Optical Target Detectors to the U.S. Air Force and U.S. Navy. The DSU-15 and DSU-21 are part of the AIM-9L and AIM-9P Sidewinder Missiles. Among the guests were U.S. Air Force and U.S. Navy personnel from the Air Staff at the Pentagon, Eglin Air Force Base, Hill Air Force Base, the Naval Weapons Support Center at Crane, the Naval Weapons Center at China Lake, and AFPRO personnel from Hughes and SBRC. Other guests were from several Hughes Aircraft divisions and a large contingent of subcontractors and suppliers from both DSU programs.

Dr. Talley presented three plaques during the recognition ceremonies. One was presented to Terry Garcia as an appointed representative of all employees working on the DSU programs. The inscription read "The President and Management of Santa Barbara Research Center congratulate and commend the employees whose dedication and efforts made possible the successful delivery of 20,000 DSU-15 and DSU-21 Active Optical Target Detectors to the United States Government as of the month of September, 1981. Your continued effort will enable us to achieve even higher accomplishments and recognition in the years to come." The plaque is to be installed in the DSU manufacturing building as a permanent display of the Company's appreciation. Dr. Talley also presented plaques to Matt Anderson, Fuse Department Head at NWC, and to Lt. Col. Reggie Jones, USAF, Logistics Program Manager for Air-to-Air Missiles at the Pentagon, in recognition of the assistance and cooperation provided by the U.S. Navy and the U.S. Air Force in accomplishing this major milestone.

The day-long ceremonies included cake and coffee for guests and employees, luncheon for the invited guests, and tours of SBRC manufacturing facilities. An evening cocktail party wound-up the festivities. On Friday, November 6, a joint U.S. Air

Force - U.S. Navy program review was held with the military personnel to present overall status of the DSU-15 and DSU-21 programs.

All those who had a part in this effort are to be commended for their dedication. Well done!

SERVICE PIN AWARDS

During the months of September, October and November the following people received Service Pins: 5 Years — Rosie Davis, Robbie Fletcher, Mark Bandoni, Maria Plancarte, and Adrienne Jackson. 10 Years — Yvonne Preis, Rose Hernandez, Carlos Nuno Rocha, Peter Villa, Phillip Olsen, Robert Jensen, Daniel LaPorte, and Fritz Malek. 15 Years — Lena Langdon, Charles Zarbano, Fred Neitzel, and Thomas Webb. 20 Years — Peggie Hughes, Ruth Avila, James Milligan, Keith Coulter, and Betty Gordon. 25 Years — Donald Bruner, Edward Kalman, Thomas Everson, Howard Hicks, Ralph Wilkerson, Margaret Roberts, and Howard Broughton.

CONGRATULATIONS TO ALL!

BENEFITS UPDATE

— Savings Plan —

Savings plan values as of October 30:

Equity	1.8142986
Fixed	1.9701749

The Hughes Medical Plan Claims Office has relocated due to expansion.

Please make sure to mail all medical claims to the new address at:

HUGHES AIRCRAFT COMPANY
Medical Claims Department
Building 691, Mail Station P-103
P.O. Box 3310
Fullerton, CA 92634

Medical Claim inquiries may be directed to the claims office by phoning:

TIELINE: 8*670-3201

Further information regarding your employee Medical benefits may be obtained by calling the SBRC Benefits office on Extension 2502.