

SeaBee Officer Promoted



RECEIVES NEW COVER—Cdr. Robert C. Engram, Asst. Public Works Officer, presents Irwin I. Shull (r), Commanding Officer of the local SeaBee Unit, a new cover with "scrambled eggs" symbolic of Shull's promotion to full Commander. Both men have been assigned new duties. Engram will report to Davisville, R.I., as Commanding Officer of Mobile Construction Battalion No. 4. Shull is presently in Washington serving as NOTS Liaison Officer. He relieved Peter Kim.

Norway Sponsors Full Year's Study of Propellants by Dr. H. C. Christensen

Dr. Hans C. Christensen, who was pictured with his family in last week's Rocketeer, is here for one year of study at NOTS under the sponsorship of the Norwegian Ministry of Defense on a scholarship from the Norwegian Technical and Research Council.

Mrs. Christensen states, it that all members are bi-lingual except 22-month-old Jeanette. The entire family is impressed with the friendliness of our NOTS people, she adds.

Cubs To Collect Toys For Pomona Kids Home

On Sunday, Dec. 6, from 12 noon until 4 p.m., some forty uniformed Cub Scouts from Pack 1341 will canvass the housing areas for toys.

This is an annual pre-Christmas procedure with toys collected being sent to the Home for Retarded Children at Pomona.

Toys should be in good condition and residents are asked to place the boxes or bags outside their front door in order to speed up the collections.

All varieties of toys, from bicycles to dolls, puzzles to trucks or rocket ships, are solicited.

He made his escape across the Pyrenees to Spain in the company of five American airmen late in 1943, followed by two months in Spanish prison camps. On his release he was sent to England where he enlisted in the Norwegian Army and was assigned as an experimental officer to the British Ministry of Supply where he began his first work in the solid propellant field.

Dr. Christensen first visited NOTS in September, 1957, and returned last June to begin his year of work here. His wife, Veronica, and their four daughters and son only recently flew from Oslo to join him, arriving the first of November.

The two oldest daughters, Tuppenny, 14, and Therese, 12, are in Junior High; Michael, 11, is in the sixth grade and attends the Rowe Annex of Murray School; Bernadette, 9, is in the third grade and attends Richmond School.

One advantage the family has,

Thrift Shop To Be Open For Holiday Shoppers

Marge Ashbrook, Chairman, announces that the Thrift Shop will remain open during its regular hours through the first three weeks of this month. Hours of operation—9-11 a.m. on Tuesdays and 7-9 p.m. on Thursdays—provide a time when residents may purchase usable clothing, household items, furniture, books, magazines, chinaware, gadgets and toys at low cost.

CAP Military Ball

Members of the China Lake CAP Cadet Squadron 84 and the Inyo-Kern CAP Composite Squadron 82 will observe the 18th Anniversary of the Civil Air Patrol with a military ball to be held at the Anchorage tonight at 7:30.

A cake-cutting ceremony will highlight the anniversary event which will be followed by dancing for the members and their guests.

RAPEC...

(Continued from Page 1) system. The booster employed in RAPEC I is a unique concept which utilizes space in the propellant grain perforation that was previously used only during the firing of the propellant grain.

Patent Applied For  
By utilizing this grain perforation space the booster alone will eject a pilot and his seat to a height approximately equivalent to the present A4D aircraft ejection system. This allows utilization of available space for a sustainer propellant grain to eject the pilot and seat an additional 200 feet. This gains low-level capability which the existing ejection system does not possess. A patent has been applied for on this unique concept.

Glass was also responsible for the design of the test equipment as well as some of the processing equipment employed in developing RAPEC I. With the assistance of Robert L. Rappuchi, Reliability and Evaluation Engineer, he has also carried the major part of the responsibility in qualifying the unit for release.

Richard J. Zabelka, Design Engineer, was responsible for the initial design of the metal components which are employed in the rocket catapult before beginning work on RAPEC II which is to be used in escape systems of supersonic aircraft. Zabelka was also responsible for early free-flight tests of the RAPEC system employing a test stand and not designed to recover both seat and dummy with a minimum of damage.

NOTS not only designed, developed, and qualified the rocket catapult but has been given the task assignment to construct the first 181 production units scheduled to be installed in A4D aircraft in late December.

These production units are being fabricated under the supervision of Alonzo Williams, Production Superintendent. Acceptance inspection will be performed by the Inspection Section headed by Donald J. Davis. Thereafter, production will be carried out at the Naval Propellant Plant, Indian Head, Maryland.

V. Don Perrin, Program Manager for RAPEC I, coordinated the tooling of the production activities and will coordinate the production efforts with the Naval Propellant Plant, the Naval Ordnance Plant,



SPORT FOR ALL AGES—Archery's appeal to people of all ages is reflected in the membership of the China Lake Bowmen's youngest, Joey Stone, 8, and eldest, Elam Sharp, 65. They will compete in their annual tournament on Dec. 13 at the archery field range off CLPP Road. The Junior Archers will hold their tournament at 1 p.m. at the Rowe St. archery range on Dec. 19. Trophies to be awarded in both tournaments are pictured. Junior trophies were donated by the Rocket Bridge Club.

Community Council Selects Directors

New directors of the China Lake Community Council, elected at the meeting held Nov. 24, are: Richard Frederick, president; William K. Webster, vice-president; Joe E. Smith, treasurer; Austin Ross, executive secretary and Marge Adloff, recording secretary.

The tenth annual dinner of the Council will be held at the Hideaway next Tuesday, Dec. 8. Attendance will be by invitation.

The next Council business meeting will be Jan. 12, 1960, in Room B of the Community Center, beginning at 7:30 p.m.

Macon, Ga., and NAD, Crane, Indiana, upon release of the rocket catapult for production. He also coordinated the documentation for the developing department with the Engineering, and Technical Information Departments.

With the release of RAPEC I, team members will be concentrating their efforts to complete RAPEC II and RAPEC III scheduled for release in fiscal year 1961.

Golfers May Sign Now For Pro-Amateur Meet

China Lake Golf Club President Cdr. M. O. Greaney has announced the Club's sponsorship of the first annual Pro-Amateur Golf Tournament to be held in this area. Scheduled to be held sometime in May, the event will be played under the jurisdiction of the P.G.A. and will be a best ball of foursome competition.

Prizes amounting to \$1,500 will be awarded to professionals and amateurs.

All entries and payment of entry fee of \$20 must be recorded no later than Sunday, Jan. 3, 1960. Details may be obtained by contacting Roger Lenhardt, Club professional, or Curt Bryan, Ext. 75334. A total of 90 amateurs will be accepted on a first-come basis.

Midgets To Race

Desert Empire Quarter Midget races will be held on the SNO&T Road Track next Sunday, Dec. 6, at 2:30 p.m. Time trials will start at 1:30. Helmet collections will be donated to the United Fund.

Did YOU Contribute to United Fund?

ROCKETEER

Budd Gott, Editor

Office, Housing Bldg., Top Deck

Phones 71354, 72082, 71655

Vol. XV, No. 48

U. S. Naval Ordnance Test Station, China Lake, California

Friday, December 4, 1959

TEMPERATURES	
	Max. Min.
Nov. 25	74 38
Nov. 26	72 43
Nov. 27	66 33
Nov. 28	67 30
Nov. 29	71 32
Nov. 30	68 26
Dec. 1	72 28
Dec. 2	69 32
Dec. 3	67 31

\$4 Million Hangar Completed at NAF

The anticipated final completion date of January 15, 1960 of the Naval Air Facility's new double-bay Hangar No. 3 complex will wind up the most recent large scale expansion project at the Naval Ordnance Test Station. Personnel and equipment started moving in Nov. 9.

Built at a cost of \$4 million, the entire project includes the 2 1/2 million dollar hangar, a new sewage disposal plant, enlargement of the heating system and communication and telephone systems, two miles of new access roads, auto parking lots and an aircraft parking strip consisting of 52,000 square yards of 10-inch concrete.

Size of Football Field  
The hangar bays measure 150 x 240 feet each, approximately the size of a standard football field. A center connecting unit measuring 138 x 240 feet houses laboratories, shops, training facilities, boiler and mechanical equipment rooms, administrative and engineering offices. A four-story radar tower projects above the roof of the center unit.

The structural steel and concrete two-story building is completely equipped with heating and cooling systems. A deluge system, for fire protection, will provide 61,400 gallons of water per minute, and a hydraulic freight or service elevator provides service 69 feet up to the top of the radar tower.

Public Works Supervised  
Local inspectors of the construction have been Joseph P. Mumaw, Donald Fishback, and William Williams, 11th Naval District Public Works Office Inspectors who are permanently assigned to the Contract Division of the Station's Public Works Department.

When the relocation of personnel is completed, Naval Air Facility and some Aviation Ordnance Department personnel will share Hangars No. 3 and 2. VX-5 personnel will occupy Hangar No. 1.

Sponsored by the Bureau of Ordnance, the hangar construction was under the cognizance of the Bureau of Yards and Docks, with Captain J. A. McHenry, CEC, USN, as Officer in Charge of Construction. He designated Capt. T. J. DuMont, NOTS Public Works Officer, as Resident Officer in Charge of Construction. Lt. T. N. Tate is the Assistant Resident Officer in Charge of Construction.

The facility was designed by Murray Erick Associates, structural engineers of Los Angeles, California, and was constructed by Diversified

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RAPEC - Rocket Catapult Escape System Ready for Fleet Aircraft

The successful development, completion and release of the Rocket-Assisted Personnel Ejection Catapult (RAPEC I) is a result of outstanding teamwork in research and development at NOTS. From conception to completion in less than two and one half years, RAPEC I developed into a self-powered, mechanically initiated, two-phase, solid-propellant booster and rocket designed to eject a pilot and seat from an A4D aircraft at accelerations within the physical tolerances of the human body to a height sufficient for the pilot's parachute to deploy safely.

In the past the greatest percentage of accidents among Navy pilots occurred during takeoffs and landings. It was therefore necessary to develop an ejection system capable of ejecting the pilot at low levels and particularly at ground level. RAPEC I has the capability of allowing the pilot to safely eject from his disabled aircraft at ground level.

This ground-level ejection capability will result in a direct saving of numbers of aircraft in that greater effort can be made to save and land the aircraft if the pilot is assured an opportunity for safe escape when it becomes apparent that a safe landing or ditching is no longer possible.

Indoctrination of fleet squadrons in the use of RAPEC I has been in process for several months through the field service unit of the office of the Experimental Officer.

Propulsion Development Dept. Team  
The RAPEC program has been administered by Norman L. Rump, Task Manager, and Robert G. Sampson, Head of Propulsion Analysis Branch. Before his promotion to Head, Propulsion Systems Division, Rump served as Project Engineer for RAPEC I.

James C. Metcalf, Project Engineer for the past year, has been responsible for coordinating the overall program for RAPEC I. He has served as liaison in coordinating the program with BuOrd, BuAer, Douglas Aircraft Company, as well as with the production and test activities.

Cecil A. Glass, Senior Design Engineer, was initially responsible for the booster phase of the two-phase (Continued on Page 4)

Air Force Pilot Tells RAPEC Team of Catapult Ejection

NOTS contribution to the development of life saving devices are as effective as its contributions in the development of weapons for warfare. This topic highlighted a



Capt. Robert F. Brockman

conference between Air Force Captain Robert F. Brockman of George Air Force Base and RAPEC project personnel Thursday, Nov. 19, at the China Lake Propulsion Laboratory.

Key members of the team that developed RAPEC (Rocket-Assisted Personnel Ejection Catapult) met with Capt. Brockman to obtain a first hand report of the flyer's experience with the XM-10 catapult which employs the concept of the NOTS-developed RAPEC.

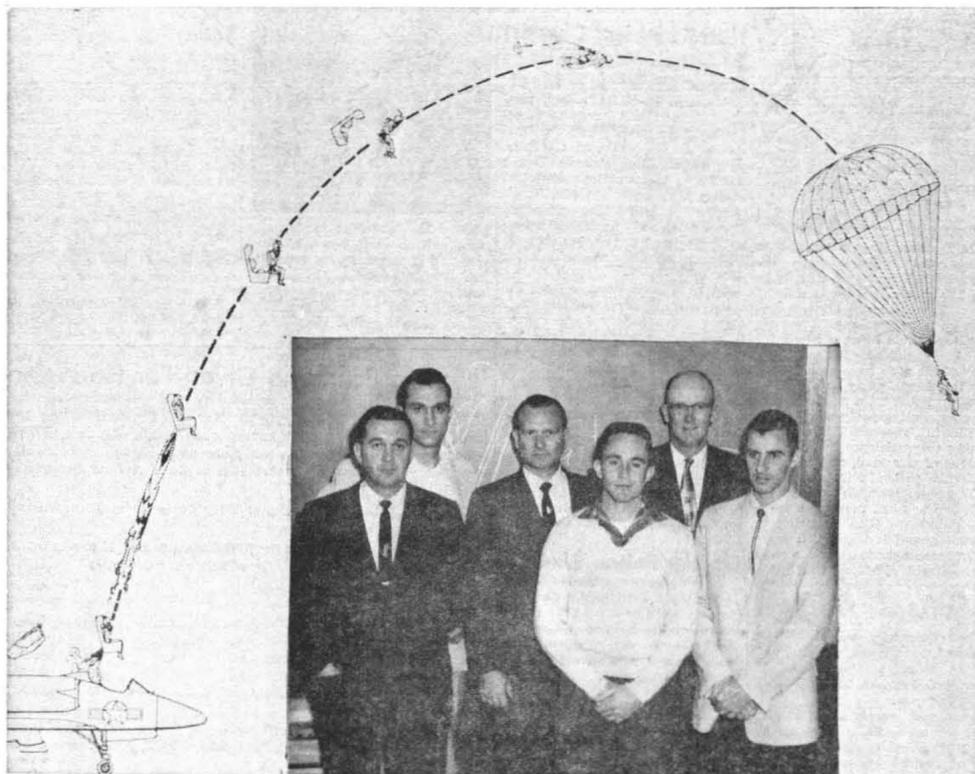
According to Capt. Brockman, his life was saved by the XM-10 when he was forced to eject from an F104 Starfighter he was flying when it flamed out over Saltdale in Fremont Valley on Oct. 28 this year.

The F104 engine flamed out at 25,000 feet. Unable to reignite the aircraft, Capt. Brockman had to eject while traveling at 260 knots at an altitude of 1500 feet.

Main points discussed during the conference were the pilot's mental and physical actions and reactions under stress with the operational characteristics of the recently developed catapult.

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RAPEC AND TEAM—A schematic drawing by the Douglas Aircraft Company's El Segundo plant which developed the seat system of the Navy's new rocket seat ejection system forms the background for NOTS key personnel of Propulsion Development Department who designed and developed the rocket catapult. RAPEC ejects a pilot up 200 feet where he becomes separated from the seat and descends safely in a parachute. Team members in front row (l-r) are: James Metcalf, Don Perrin, and Dick Zabelka; Back: Bob Sampson, Norman Rump and Cecil Glass.



NAF'S NEW LOOK—Dwarfing the former main Hangars No. 1 and 2 at the Naval Air Facility is the newly completed \$4 million Hangar No. 3 complex shown in foreground. Two bays, and the connecting center unit will house shops, laboratories and offices of NAF and AOD.

Names Make the News

Two hundred and ten names of Station military and civilian personnel appeared in last week's Rocketeer, according to Rocketeer reader Augie Schaefer.

Augie's breakdown is as follows: Some 24 NOTS people made the front page; 131 appeared on page 2; a total of 39 made page 3 of which 22 were Pasadena personnel; page 4 carried the names of 16 noteworthy China Lake people. Anyone care to check Augie's figures?

Commissary Shifts Non-food Stock To Navy Exchange

Several lines of non-food items have been deleted as authorized items for continental and overseas Navy Commissary Stores by direction of the Bureau of Supplies and Accounts.

To afford their continued availability, these items have been approved as stock items for all Navy Exchanges. At this activity, the transfer from the Commissary Store to the Navy Exchange became effective December 1.

Items transferred include paper cups and plates; disinfectants; cleaning fluids; plastic, wood or paper spoons and forks; insecticides; matches; household polishes and waxes; toilet soaps; sponges; straws; toothpicks; and facial tissues; cleaners that are spot removers for fabrics, upholstery and rugs.

Household cleaners such as scouring powders and window cleaners will continue to be sold in the Commissary.

Reasons given for transferring the above items indicate that by such transfer, maximum usage of manpower and space of Commissary Stores may be used for the availability of basic food items.

Although a slight price increase may be anticipated on these items when sold by the Navy Exchange, such increases shall serve to augment the recreational funds available for military and civilian personnel at NOTS.

# Sport Slants

By Chuck Mangold, Athletic Director



NAVY ALL-STAR IN ACTION—Navy's halfback Jerry Jones heads for pay dirt in the United Fund Thanksgiving Day game. Navy All-Stars posted a 21-13 victory over the Marine All-Stars in the second annual classic which netted \$1,000 for the lagging United Fund Drive.

The powerful El Toro Marine football team will meet NOTS here this Saturday, December 5. Game time at Kelly Field is 11 a.m. There will be an admission charge of fifty cents for this game. All proceeds will go to the United Fund.

**Probable Starting Lineups**

El Toro	NOTS
Reece LE	McClinton
Felner LG	Kahapea
Pepper LT	DePriest
Smith C	Rauchman
Landberg RG	Troxel
Peters RT	Weaver
Eranner RE	Olson
Blaine QB	Joplin
Boyer LH	Peterson
Brashean RH	Jones
Bennys FB	Garrett

**United Fund Football Game**  
The Navy All-Stars downed the Marine All-Stars 21-13 in a hard fought football game played for the United Fund before 2,000 fans Thanksgiving Day.

The Navy scored in the opening minutes of the first quarter on an 8-yard end run by halfback Jerry Jones. Pete Peterson, Navy's fine quarterback, scored on a 2-yard plunge over center near the end of the first quarter to make the score 14-0.

In the third period Phil Pierson, Marine end, picked up a blocked punt and scampered 41 yards for the first Marine score. With 3 minutes left to play in the third quarter Jerry Jones broke away with a 28-yard run to score Navy's final touchdown. The conversion was good making the score 21-6. The Marines scored once more in the fourth quarter when quarterback Charlie Dotson threw a 39-yard pass to right end Hank Fabrizious on the five-yard line and he went over standing up.

Fifty-one prizes were given away at halftime, thanks to the very generous Ridgcrest merchants, the



PROJECT PILOT—Captain Howard O. Casada, USMC, relieves Capt. R. E. Howard, Jr., Sidewinder Development Group Project Pilot in the Air-to-Air Weapons Division of Weapons Development Department. Reporting from the Naval Air Test Center, Patuxent River, Md., where he was assigned for the last two years as Project Pilot with the Electronics Test Division, Capt. Casada, his wife, Mary Ann, and six-month-old David, Patrick will be living at 512-B Essex Circle.

# BHS Football Season Ends

The final games of the football season were played by Burroughs High School varsity and "B" teams Friday and Saturday, Nov. 20 and 21. The Burros lost to Victor Valley here by a score of 21 to 7 and the "B" team tied Victor Valley on their field with a 12 to 12 score.

Final tallies of the season show five wins and four losses for the Burros, and two wins, two losses and one tie for the "B" team. The season ended better than expected for the Burros, according to Coach Jim Riley, considering the slow turnout at the beginning of the season.

The formal protest filed by Coach Riley following the October 23 Palmdale game was honored by the Golden League officials in favor of the Burros. The rhubarb was due to a breach of ethics on the part of Palmdale officials for failure to notify the local team of a change in game time from 2:30 to 8 p.m.



Joe E. Huff, Head of the Facilities Branch, Process Development Division, Propulsion Development Department, leaves the Station this weekend after nearly 10 years, and with over 35 years devoted to the Federal service.

Huff was transferred to the Long Beach Naval Shipyard in 1943 upon its opening from the Norfolk Navy Yard where he had worked for 20 years.

He has worked at Pilot Plant facilities since transferring here in 1950 as a Chief Quartermaster. Location for their next home has not yet been selected by the Huff family, consisting of wife Irene and daughter, Pamela, Jo, 12, although the retiree says that he does hope to do a lot of hunting and fishing.

**"Thanks" Expressed**  
In recognition of first aid and medical supplies transported to the Mexican Red Cross Station of Mercy at Ensenada, Mexico, by local residents, Capt. W. W. Hollister recently received a letter of "special commendation of achievement." Signed by the doctor-director of the aid station and by the president of the Mexican Red Cross Ladies Committee, the letter expressed appreciation for the truckload of supplies received on October 27, much of which was collected from Indian Wells Valley residents.

**First Flight**—Mary Lynn McIntosh def. Mary Lou Kummings 1-up; Jay Mueller def. Edith Hurst 1-up; Ruth McInnis def. Elaine Pollock 1-up; Carolyn Kruse def. Carolyn Proksch 2-1; Mary Delaney def. Priscilla Kuhn 2-1.

**Second Flight**—Betty Ann Wilson def. Peggy Adams 1-up; Alice Roby def. Bernice Rice 2-1; Layne Gambrell def. Vera Mead 3-1; Yvonne Treadwell def. Kay Bracken 2-1; Bernice Reger def. Helen Sellers 3-1; Mary Lee Grasley def. Barb Zernickow 3-1; Gerry Emberton def. Dovie Hampton 5-4; Mary Jane Brockman def. Dottie Dunn 5-4.

**Third Flight**—Mae Machowsky def. Janet Hahn 1-up; Anne Moore def. Trudy Schalow 2-1.

# Promotional Opportunities

Only persons currently employed on this Station may apply for the following positions, and up-to-date Forms 58 should be submitted when applying.

**Personnel Clerk (Gen.) (Typ.)**, GS-4, PD 30030, Code 656. Processing of personnel and classification actions, maintenance of files, preparation of reports, etc.

**Safety Program Specialist**, GS-8, PD 31721-1, Code 4504. Maintains and implements a comprehensive safety program in assigned area where many different explosives and propellant development projects may be in progress.

**Electronic Mechanic**, GS-4, PD 31270, Code 4544. Typing of technical reports and correspondence, timekeeping functions for the Division, control of classified technical reports, and maintenance of branch and section files.

**Mechanical Engineer**, GS-11, PD 31425, Code 4552. Process development studies on batch press extrusions, coordinate, design, install and test of new extrusion equipment, and supervision of per annum and per diem personnel associated with the batch press extrusion processes.

**File applications for above positions with Judy Newman, Personnel Bldg., Room 26, Ext. 72676, by Dec. 11.**

**Clerk-Typist**, GS-3, PD 13976, Code 5515. Receptionist, preparation and maintenance of records and reports, filing, typing.

**Clerk-Typist**, GS-3, PD 13627, Code 5545. Preparation and maintenance of records and reports, filing, typing.

**File applications for above positions with Pat Gaunt, Personnel Bldg., Room 31, Ext. 71648, by Dec. 11.**

**Clerk-Stenographer**, GS-4, PD 26964Am, Code 4035. Receive, route and prepare reports.

**Other Opportunities**  
Wanted: Engineering Draftsman—GS-4, 5 or 6 for 90-days employment. Salary range from \$3755 to \$5390 p/a depending on experience and/or prior Federal civilian service. Must be experienced in the architectural or structural engineering design fields.

**General Engineer**, GS-9—PD 945003 or GS-11—PD 945002; Code 4533. Plan experimental evaluation programs, coordinate these programs, analyze and interpret test results, and prepare reports of conclusions and recommendations.

**Clerk (Typ.)**, GS-4, PD 31270, Code 4544. Typing of technical reports and correspondence, timekeeping functions for the Division, control of classified technical reports, and maintenance of branch and section files.



RED CROSS VOLUNTEERS—Ten local women receive certificates of completion of a two-week Home Service course qualifying them as social welfare aids for the Red Cross. Shown in front row (l-r) are: Pauline Fleming, Susan McCann, Harriet Baeriswyl, Ruth Rundstrom, Home Service instructor from Bakersfield, Juanita DeHam, Rosemary Kuntz, and William L. Wright, Field Director from Edwards AFB. In back row are: Rosemary Fisher, Joan McGrath, Virginia Small, Ruby Nichols, and Carol Maple. This is the only chapter in the country which is serviced entirely by volunteers.

# What's Doing IN RECREATION

By Jean Cone, Recreation Director

The Women's Air Force Band will make their first appearance at China Lake tonight, December 4, when their 9-piece dance orchestra plays for the Adult Station Dance.

Dancing will begin at 9 p.m. at the Community Center. Admission of \$1.00 will be charged for men, women are admitted free. You are urged to come on time if you want to be sure of getting a good seat to enjoy the music of these outstanding women musicians.

Tables have been reserved in the former dining room area for the United Notes. Members attending the dance who wish to be included with the group will enter the main door of the Community Center and will then be directed to their tables. All single people over 21 are invited to come alone or come with a group for an evening of real dancing enjoyment.

**Children's Christmas Party**  
Save December 19, as that's the date of the annual Children's Christmas Party at the Station Theatre. Party time will be 2 p.m. and all children under 12 years old who have Station Theatre privileges are invited.

**Film Society Showing**  
The American early sound classic "Grand Hotel" will be shown on December 7 and 8 at the Community Center at 8 p.m. This film stars Greta Garbo, John and Lionel Barrymore, Wallace Beery, and Joan Crawford. "Little Match Girl" will also be shown. The total running time will be 125 minutes.

**Four-Wheel Drive Club**  
Approximately 25 four-wheel drive enthusiasts met at the Anchorage last week. Carl Rowles was selected to serve as President pro-tem and a committee was chosen to help plan group trips and form a four-wheel drive club. Working with Rowles will be Roy Raney, Chuck Thomas, and Earle Kirkbride. Plans for two trips are already underway. The first will be on December 6 to the Northern part of the Station. The second event will be a three-day trip to Saline Valley on January 1-3.

If you own a four-wheel drive vehicle, and would like to be included in the club or these trips call Carl Rowles, Ext. 77023, after 4:30 p.m.

**Off-Station Recreation**  
If you are going to be in the Ontario area between now and January 1, plan on seeing their famous three miles of lighted Christmas trees. Lights are strung on the graceful pepper trees lining Euclid Avenue, leading from the base of the mountains in Upland to the town of Ontario. Life-size Christmas scenes are placed in the downtown area.

**RAFT Club**  
The two big dance and fun-time events for all Club members during December will be the Happy Birthday dance on Saturday, Dec. 12, and the semi-formal Christmas Dance on Friday, Dec. 18.

**The Birthday Dance** will be to records and juke-box while the "Boys from Tekechapi" will make with the music for the Christmas Dance. There'll be the big tree and a special prize grab-bag. Everyone attending should bring a small, inexpensive gag gift for the exchange. Many of the girls have been asking for a real formal party, so here it is!

On November 20, a most successful roller skating party was held at the rink in Lancaster. All members wishing to participate in more excursions of this kind, and any who would like to lend a helping hand with transportation, do let us know. Each trip has had more of a turnout—with more than 40 going to Lancaster, and it was FUN.

Members interested in skiing—on snow—should check at the office.

**School Notes**  
The elementary school concert band and seventh grade chorus will present "Songs of the Season" at Murray Cafeteria Monday, Dec. 14, at 7:30 p.m.

Traditional carols and concert band numbers will be rendered by the 75-piece band under the direction of Theldon Myers, instrumental music instructor of the District. Marilyn Thixton, vocal music instructor of Murray School, directs the 80-voice chorus.

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# News From Pasadena

**Community Chest Drive In Final Collection Day**  
Today winds up the Community Chest fund drive at NOTS Pasadena. If you haven't been contacted look up your department collector today.

Thirty-seven agencies share your pledge which goes to help young people in search of wholesome recreation, for families in need of expert counselling, for senior citizens who need the promise of a bright tomorrow, and for sick and disabled people who need help and hope.

Give your "fair share of happiness."

**1960 Officers Named To NFFE, Local 1101**  
The National Federation of Federal Employees, Local 1101, has announced installation of new officers. The event took place on Nov. 19 at Washington Inn in Pasadena.

Installed were the following: President, Michael Cushing, of Los Angeles Ordnance District; 1st Vice President, Miles Hamilton, NOTS Pasadena; 2nd Vice President, Ann Smith, LAOD; 3rd Vice President, Waino Jarvi, ex-NOTS employee now with Fort MacArthur; Secretary, Charlotte King, LAOD; Treasurer, Mary Cushing, LAOD; and Guide and Guardian, Walter Lemke, LAOD.

**Attends CU Convention**  
Nadine Robinson attended the California Credit Union League annual convention in San Diego on Nov. 20-22 as the delegate from NOTS Pasadena Credit Union.

Mrs. Robinson, active in Pasadena Credit Union affairs for many years, has also been named to the San Gabriel Valley Chapter of the California Credit Union League which covers 98 credit unions in this area.

**Leaves For Industry**  
A graduate of USC with a B.A. degree in Physics, Phillips started employment at NOTS in June 1954. A general engineer, he has, among other accomplishments, served as NOTS representative to Naval Torpedo Station at Keyport, Washington, on a major torpedo program, and worked with the RAT development program.

Also a native Californian, Phillips was born in Pasadena. He and his wife, Roxana, make their home in Arcadia.

**ESO Discount Cards**  
Cards entitling employees to buy a variety of items at discount prices are available through the Employees Service Organization.

They may be picked up in Building 3, Room 3A51. Quick loans for Christmas purchases may be arranged at the Credit Union Office to enable employees to use the discount cards to their best advantage.

**League Schedule Given For Hoopsters**  
Pasadena hoopsters began season play in the Pasadena Department of Recreation Industrial League on Nov. 24. The hard-hitting NOTS team, who has chalked up an impressive record in past seasons having taken top League honors two years ago and placing second in season play last year, lost their first match to Lake Avenue Congressional Church 70-37.

On Dec. 1, they played Driver-Eddy Company at Muir. The score was not known at press time.

League schedule calls for the NOTS team to play 10 games this season. With two already played, the schedule is as follows:

Date	Gym	Hour	Team
Dec. 8	PCC	7 p.m.	Spanjian Sportsweat
Dec. 17	PCC	8:30 p.m.	Central Nazarene
Jan. 7	PCC	8:30 p.m.	Advance Body
Jan. 12	Muir	7:00 p.m.	Pasadena Police
Jan. 19	Muir	7:00 p.m.	Fire "B" Team
Jan. 26	PCC	8:30 p.m.	Driver-Eddy Co.
Feb. 4	Marshall	8:30 p.m.	Advance Body
Feb. 11	Marshall	8:30 p.m.	Central Nazarene

Play-offs will be held Feb. 15 and 16 at PCC, 7 p.m., with the final game on Feb. 23, 7 p.m., at PCC.

Managed by Norm McDonald, NOTS team members are: Ray Brooks, Jerry Gold, Lee Haynes, John Martin, Tom McKinney, Mort Metersky, Tom Paine, Ed Parks, Don Robinson, Rod Rotter and Don Ryan.

# Selections Told For Two Key Posts In UOD Systems Operations Division

Two personnel actions in UOD's Systems Operations Division have been announced by D. A. Kunz, division head, Frank G. White, who has headed the Field Branch for the past three years, has been reassigned to the position of Associate Division Head, and John L. Phillips, with the Field Branch for some years, has been selected for Branch Head.



John L. Phillips ... Branch Head



Frank G. White ... Associate Division Head

White fills a new position in the Systems Operations Division created because of the complexity of scope of programs now assigned the Division.

Currently the Station's project manager for the Polaris program, Frank White has been with the Station for 12 years during which time he has played a key role in several major weapons systems.

A native Californian, he was born in Los Angeles; completed high school in Tenafly, New Jersey; attended the University of Redlands from 1941-1943, taking three years out for military service, and returning to graduate in 1947.

He resides with his wife, Evelyn, and two sons in Arcadia. John L. Phillips has, since April, 1957, been the Underwater Ordnance Department project engineer for the Polaris program. During this time, he has guided the underwater launch phases of the program on a national basis.

A graduate of USC with a B.A. degree in Physics, Phillips started employment at NOTS in June 1954. A general engineer, he has, among other accomplishments, served as NOTS representative to Naval Torpedo Station at Keyport, Washington, on a major torpedo program, and worked with the RAT development program.

Also a native Californian, Phillips was born in Pasadena. He and his wife, Roxana, make their home in Arcadia.

**Promotional Opportunities**  
Electronics Engineer, GS-12, Code P3903. As senior instrumentation engineer, responsible for test instrumentation at San Clemente Island, including development, procurement and operation of complete systems; and generates specifications and designs for improved or new instrumentation systems in the fields of underwater instrumentation, optics, and electronics.

Engineer or Physicist, GS-13, Code P3092. As Head, Range Instrumentation Development Branch, represents Pasadena Division of the Test Department in the fields of instrumentation and is responsible for planning, management, and development of instrumentation to meet requirements of present and proposed programs at San Clemente Island. Performs liaison with BuOrd and other military and civilian agencies. Supervises other instrumentation engineers as required to provide systems coordination.

To apply for above positions, contact Nancy Reardon, Extension 103.

**8505 Consultant Leaves**  
GOES—After nine years with the Station, Steve Gaspar, Consultant in P805, leaves today. He has accepted a position with Lockheed Aircraft in Burbank as a Research Engineer. A Mathematician, he has been with P805 since it was formed in 1946.



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