

Unitarian Fellowship To Hold First Meeting

The Unitarian Fellowship will hold its first meeting after a summer recess at 7:30 p.m. this Sunday, Sept. 11, in the Chapel Annex located at 95 King Ave.

The program is intended as a general introduction to Unitarianism and to the local Fellowship. All interested persons are invited to attend.

POOL CLOSED SATURDAY

The swimming pool at the Commissioned Officers' Mess will be closed all day Saturday, September 10, due to decorating for Roman Night.

WACOM Holds Membership Tea

WACOM will spin the Wheel of Fortune for the coming year starting with the annual Membership Tea to be held Tuesday, September 13, from 3-5 p.m. at the Commissioned Officers' Mess.

To Outline Programs

Eight mobiles depicting the programs for each month will be the center of attraction. The programs to be presented next year promise to be gay and exciting with artistic decorations. Club members are eligible and cordially invited to attend.

IWV Scouts Navigate Storied Rogue River



NAVIGATING THE ROGUE — Members of local Explorer Post 291 shoot through one of the Rogue River's scenic, exciting rapids in a rubber boat during their recent tour of the history-encrusted waterway in Oregon. The 90-mile trip took three days.

BY MRS. THERESA GONZALES

Eight members and four commitments from Explorer Post 291 recently returned from a thrill-packed 90-mile boat trip down Oregon's famous Rogue River.

The group left China Lake early on a Saturday morning in three vehicles loaded down with camping gear, boats, and eager Explorers. The first stop was at Susanville, where the group camped for the night. Sunday afternoon found them at Grants Pass, where the boats were inflated and put into the river.

The first leg of the journey took the group through the relatively quiet waters out of Grants Pass through Hell Gate Canyon, which opened the way to the wilderness beyond, and through Dunn Riffle, which introduced the boaters to the first "white water." Following a brief stop at Indian Mary Park, they proceeded downriver to the old mining town of Galice, where they made camp.

The next day took them past Alameda, to the beginning of 34 miles of canyon. At Rainee Falls, which drops 12 feet over the rocks, the boats were lined through without mishap or loss of gear. Then came the Bar, the famous Horseshoe Bend, Kelsey Falls, and Battle Bar, where U.S. troops fought off the Indians in 1856. At Winkle Bar, the group camped near the remnants of Zane Grey's cabin.

Next day the boaters were challenged by Missouri Bar, China Bar, and the hazardous Mule Creek Canyon. The calm waters flowing out of Mule Creek Canyon offered a brief respite, for next came the dangerous Blossom Bar, acknowledged as the most hazardous "white water" on the river. Negotiating this stretch of the Rogue provided a real test of boating skill and experience.

Boaters Finish Trip

The remainder of the journey took the group through the Big Bend of the Rogue, past Brushy Bar, to Illahee, which was the scene of the last Indian and white battle in the area. From Illahee, the strong sea breezes blowing up river slowed the progress of the boats and discouraged the paddlers from continuing to the

coast. Journey's end found them at the small river town of Agness, 30 miles from the coast. At Agness, the boaters enjoyed the generous hospitality of Lucas Lodge, where they spent the night at the camp grounds and repacked their gear for the trip home.

Participating in the river trip were Explorers Steve Kus, Rodney Lubben, Scott Hamel, Richard Gonzales, Larry Burton, David Bischel, Frank Bachinski, and Bob Thompson, and Post committeemen Rod Lubben and John Gonzales, China Lake; Tony Bachinski, Ridgecrest, and Robert Thompson, Inyokern. The boaters made the trip in a rubber boat, owned by Larry Burton, and two Navy assault boats.

The assault boats were loaned to the Post by the Navy Underwater Demolition School at Coronado, in accord with Navy policy of cooperation and assistance to senior scouting groups. Arrangements for obtaining the boats were spearheaded by Carl Hamel. Post Advisor is Dr. Carl Heller.

The majestic scenery, abundant wild life, and the thrills of shooting the many rapids combined to make this a most memorable trip. This type of activity is typical of the adventure, comradeship, and wholesome experiences offered to boys and adult advisors by Explorer groups.

AID TO FLIGHT OPERATIONS

Automatic picture transmission system is latest weather set-up for aircraft carrier units in Southeast Asia. Presently only USS Oriskany and USS Constellation have the equipment aboard. System's receiver picks up signals from two weather satellites, Essa II and Nimbus II. Information received is used to make flight operations safer for U.S. pilots.

Catholic Picnic Tickets Available

Those who haven't yet bought tickets to the Catholic parish family picnic, and don't want to miss out, may still buy them before and after masses this Sunday, or from any of the committee members listed in the Sunday church bulletin.

The picnic will be held this year on Saturday, September 17, from 4 to 10 p.m. in Inyokern Park. A variety of entertainment for all age groups is being planned.

A number of would-be chefs have volunteered their skill at flipping burgers, turning hot dogs and lading up sloppy Joes to give hungry picnickers a choice to go with the salad, beans and other picnic fare.

Also, thirst quenchers will be available, and the ladies of the Rosary Sodality will have desserts for sale. Their dessert stand will be part of the drive to raise funds for a set of Stations of the Cross for the Oratory.

SHOWBOAT

FRIDAY SEPTEMBER 9 "A BIG HAND FOR A LITTLE LADY" (95 Min.)

Henry Fonda, Joanne Woodward

7:30 p.m. (Suspense/Comedy in Color) A compulsive gambler gets into the annual cut-throat poker game held by the territory's five richest men, and the strangest story you'll ever see unfolds. It's fun-filled yet tense, this no-limit draw poker. (Adults, Youth.)

Shorts: "Daffy Dances" (7 Min.) "Dorothy on Wheels" (10 Min.)

SATURDAY SEPTEMBER 10

MATINEE "THE BRAVE ONE" (100 Min.)

Michael Ray

1:00 p.m. Shorts: "French Rabbit" (7 Min.) "Capt. Kidd No. 2" (16 Min.)

EVENING "BAMBI" (80 Min.)

Disney Cartoon Feature

7:30 p.m. (Cartoon in Color) The coveting adventures of an impish little deer as only Disney can tell it in breathtaking color. Bambi will steal your heart! (Adults, Youth, and Children.)

Short: "Flash, The Teenage Otter" (48 Min.)

A true-life film filled with adventure and oddity as Disney catches the otter in his natural habitat. A featurette.

SUNDAY-MONDAY SEPTEMBER 11-12

"ARABESQUE" (105 Min.)

Gregory Peck, Sophia Loren

7:30 p.m. (Mystery/Comedy in Color) A professor of ancient languages is forced into spying on a fellow countryman by a foreign minister and the plot explodes with action when Sophia tries to aid him. Wild, wacky, romantic spy-spoof thriller. (Adults, Mature Youth.)

Short: "Piker's Peak" (7 Min.)

TUESDAY-WEDNESDAY SEPTEMBER 13-14

"PARADISE HAWAIIAN STYLE" (91 Min.)

Elvis Presley, Suzanna Leigh

7:30 p.m. (Musical in Color) Elvis sings and swings his way as a helicopter pilot for a Hawaii charter service, and the girls hula their way to him like a magnet. Thrilling 'copter scenes of the islands never seen before as Elvis searches for a downed partner in the colorful canyons and beaches. 10 songs—100% of girls. (Adults, Youth, and Children.)

Shorts: "Nearsighted-Far Out" (7 Min.) "Ladders Up!" (10 Min.)

THURSDAY-FRIDAY SEPTEMBER 15-16

"NAMU, THE KILLER WHALE" (91 Min.)

Robert Lansing, Lee Meriwether

7:30 p.m. No synopsis available.

Shorts: "Magoo Breaks Par" (7 Min.) "Wonderful Scotland" (18 Min.)

Old Navy Ship Honored On 25th Birthday



USS BUTTERNUT celebrating 25 years of continuous active commissioned service was assigned to the operational control of the Naval Ordnance Test Station, Pasadena, on December 14, 1957 to provide logistical support for the Polarix Pop-up Program. She operates in the support of NOTS in weapon evaluation.



PARTICIPATING IN the USS Butternut Silver Anniversary festivities are (l-r) Tom Frandsen, Captain, USNR, and popular TV personality; Janice Jackson, Miss White Hat; Lt. D. L. Solomon, Butternut Commanding Officer; and Captain G. H. Lowe, OinC, NOTS, Pasadena. —Photos by PH2 Ralph Robey

Four More For Clifford



CONGRATULATED — CS2 James E. Clifford of Oklahoma City is congratulated by LCDr. Fredrick H. Elliott, Commanding Officer, NOTS Enlisted Personnel, on his four year re-enlistment. Clifford has been at NOTS for two years and is a 14-year Navy veteran.

CROSSWORD PUZZLE

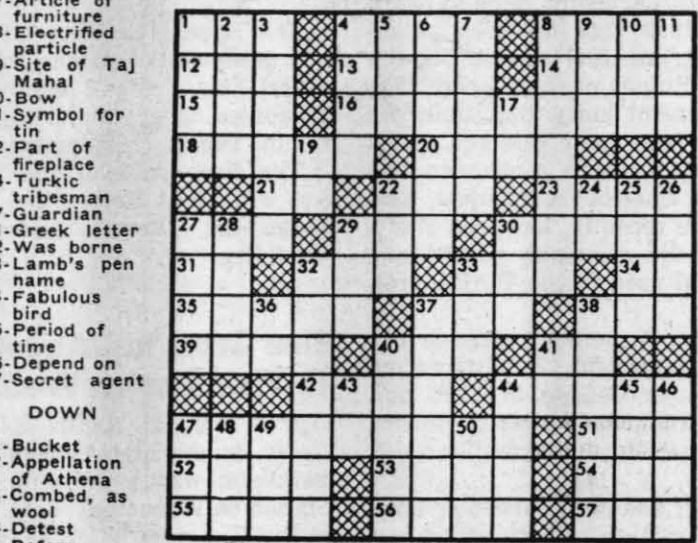
Answer to Previous Puzzle

ACROSS

- 1-Moccasin
4-Cure
8-Harvest
12-A state (abbr.)
13-Region
14-Sicilian volcano
15-Comparative ending
16-Boastrous woman
18-Dipper
20-Competent
21-Babylonian deity
22-Possessive pronoun
23-Keen
27-Youngster
29-Beverage
30-Ermine
31-Symbol for silver
32-Man's nickname
33-Existed
34-Preposition
35-Engine
37-Article of furniture
38-Electrified particle
39-Site of Taj Mahal
40-Bow
41-Symbol for tin
42-Part of fireplace
44-Turkic tribesman
47-Guardian
51-Greek letter
52-Wave borne
53-Lamb's pen name
54-Fabulous bird
55-Period of time
56-Depend on
57-Secret agent



- 6-Inflate (pl.)
7-Young sheep
8-Temporary rulers
9-Greek letter
10-Girl's name
11-Stroke
22-Sick
24-Maiden loved by Zeus
25-Roman statesman
26-Short jacket
27-Tibetan priest
28-Keered up with interest
29-Swiss river
30-Mournful
32-Small mat for drinking glass
33-Marry
36-Initials of President
37-Glass container
38-Burial
40-Keener
41-A continent
43-Hebrew letter
44-Server
45-Above and touching
46-Pungent
47-Lift with lever
48-Fish eggs in harem
49-Room in house
50-Lubricate



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Traffic Circle, Housing Roads To Be Repaired

Main roads of the China Lake community are scheduled for rehabilitation and repair during the month of September as part of the third increment of a current contract calling for over \$50,000 worth of work, according to Lt. John Rathbone, Assistant Resident Officer In Charge of Construction.

Part of the work will be the rebuilding of the Switzer traffic circle pavement near the Main Gate. The circle, at Halsey and Knox, is to be closed for four days starting at 7 a.m. Tuesday, Sept. 13, and including the following Friday.

Maintenance work on housing area main streets is to continue through early October, but will mean only constriction of traffic along the routes, including Halsey, Blandy, Hussey, Knox, Lauritsen and Richmond, said Lt. Rathbone. The maintenance is to consist of either a one-inch asphalt overlay or a slurry seal coat on the pavements.

Contractor for the work is the Asphalt Construction Co., Inc., of Lancaster.

"Our purpose right now is to bring all the China Lake roads along to the point where only periodic maintenance will be required to keep them in top shape," commented Lt. Rathbone.

Gym and Pool Are Closed for Paint

The Station Gymnasium and Pool will be closed from September 7 to September 19 for painting.

The showers, locker rooms, steam bath and weight lifting room along with all other gym facilities will be closed during this period.

The handball court will remain open.

TEMPERATURES

Table with 2 columns: Date, Max. Min.
Sept. 2 ..... 96 57
Sept. 3 ..... 98 57
Sept. 4 ..... 101 59
Sept. 5 ..... 100 59
Sept. 6 ..... 99 65
Sept. 7 ..... 97 63
Sept. 8 ..... 97 55



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More Old Ship Photos On Page 6

Polarography Studied at NOTS As Tool For Oceanography

Gerald Whitnack, Electrochemist, Develops Method

After thousands of years of man's halting and cautious exploitation of the surface waters of some of the earth's vast seas and oceans, his attention is at last turning downward into their depths. There, he finds that mystery far outweighs knowledge.

Much of this mystery involves the nature of ocean water itself, but newly emphasized techniques in chemical analysis now being developed around the world — and notably here at NOTS — promise to shed some light in this area.

Polarography is the name of one of the most promising techniques for analyzing a "reading" sea water — a technique of electrochemical analysis that can measure parts per billion of a chemical element. It has been around for some 49 years, but has just since 1959 come in for widespread use, and Gerald C. Whitnack, research chemist in the Research Department's Chemistry Division, is one of Polarography's authorities.

Whitnack recently returned from Europe where he was a delegate at the Fifth International Congress on Polarography, which was held in Prague, Czechoslovakia on July 4-9. He presented an invited paper authorized with R. Sassell entitled "Application of Anodic Stripping Voltammetry to the Analysis of Some Trace Elements in Sea Water."

Many Papers Delivered Approximately 100 papers were delivered by delegates from all the European countries, United States, Russia, Ja-



WATCHING FOR EVIDENCE — Jerry Whitnack, head of Code 50's Electrochemistry Lab, eyeballs cathode ray screen (left) for evidences of trace elements in water sam-

ple contained in glass cell to left of his right hand. Changes in electric current flow reveal how much of what kind of elements are present. —Photo by PH3 J. Willey

in electrochemistry and oceanography. The promise of polarography for the study of trace elements, organic or inorganic elements, that may point to deep ocean current patterns, mining possibilities, food cycles, fish farming knowledge, and many other areas of vital importance.

Techniques Described Whitnack describes the technique in a 1961 Michelson Laboratories Technical Article in this way: "Polarography may

be defined as an analytical method based on the electrolysis of a very small amount of solution in a cell containing one small, easily polarizable electrode and one large, non-polarizable electrode. The current obtained in the process is a function of the concentration of the reacting substance and the voltage necessary to produce a reaction at the electrodes."

At NOTS one of the most interesting and fruitful applications (Continued on Page 4)

### Five Code 40 Men Receive Awards



PRESENTED AWARDS—Four Quality Step Increases and one 20-Year Service Pin were presented to employees of Code 40 recently. Receiving the Quality Step Increases

from left to right are: Jimmie M. Craig, Clyde Hazen, Jud Smith and Phillip Sprankle. John Carr, right, received the 20-Year NOTS and Federal Service Pin.

### Polarography Is Being Studied at NOTS

(Continued from Page 1) tions of polarography has been in the quantitative analysis and study of the electrochemical behavior of propellant and explosive ingredients. Industry is currently using polarography in varied ways, including analyzing for zinc in rubber, tetraethyl lead in gasoline, copper and lead in dyes, zinc and titanium in paints, manganese and iron in soils, and trace elements in plant material, food, and animal tissue, Whitnack explains.

Of the several techniques involved in polarography Whitnack has been using the "Single Sweep" and the "Anodic

Stripping" methods for inquiries into the nature of the ocean's waters. In the "Anodic Stripping" technique the trace elements in sea water are concentrated on the surface of an electrode, thereby increasing the sensitivity by a factor of about 100. A good deal of the data on trace elements has been carried out with this technique and Mr. Sasseli did much of the analysis work with Whitnack in his laboratory from January through the summer of 1965.

"He learned polarography very quickly and was soon able to work up the analysis of sea water samples with excellent

results," says Whitnack.

#### Nearly 20 Years at NOTS

Gerald Whitnack came to NOTS in 1947 from the Central Research Laboratory of Monsanto Chemical Company, where he was employed as an analytical chemist. His first job here was as head of the Applied Analytical Research Section of the Research Department. He has spent 25 years in the field of polarography and has written more than 40 papers on the subject and presented many lectures.

Professor Jaroslav Heyrovsky of Czechoslovakia was awarded the Nobel prize in chemistry in 1959 for the discovery of polarography and today this electroanalytical technique is one of the most powerful tools of the analytical chemist.

Whitnack is intensely interested in making polarography a quick, convenient, and accurate way to study the phenomena of the ocean's water, and is at work reaching for further advances in the technique. "Possibly one of the greatest advantages of polarographic analysis lies in the potentialities it offers for continuous measurement "in situ," he says, and envisions a continuously flowing sample of water moving through a polarographic cell in the laboratory or on board a research vessel.

"It appears," Whitnack concludes, "that a great future exists for the field of polarography in helping to solve the basic chemical problems of the research man of tomorrow."

### Oasis Garden Club Plans Annual Tea

The Oasis Garden Club of Indian Wells Valley is having their annual Membership Tea on Thursday Sept. 15. The Tea will be at the home of Edna McKenry, 411 Balsam St. in Ridgcrest. The hours are from 1-4 in the afternoon. All interested persons are invited.

### Melvin Silverman Is Student Rabbi From East L. A.

China Lake's Hebrew congregation will move into the High Holy Days beginning with Rosh Hashana next week with a new student rabbi, Melvin Silverman of East Los Angeles.

Silverman, who will lead the congregation when it meets on the first and third weekends of each month, graduated from UCLA with a B.A. in English literature and a minor in psychology. He attended Hebrew Union College in its Rabbinic program. He has served as a probation counselor at Central Juvenile Hall in East Los Angeles while teaching in religious schools at several local temples, and has been registrar for the Edgar F. Magnin Religious School of the Wilshire Boulevard Temple.

The new student rabbi is an avid ocean swimmer and enjoys outdoor sports, as well as fiction writing. His wife, Mar-



MELVIN SILVERMAN

garet, is a native of England. The congregation will also be headed by a new group of officers including Ruth E. Schuyler, president; Louis Davidove, vice - president; Naomi Amos, secretary, and Martin Landau, treasurer.

The Rosh Hashana new year services are to begin at 8 p.m. Wednesday, Sept. 14, in the Chapel's East Wing, which will open an hour in advance. The following days services are to start at 10 a.m. and continue through the day and evening.

Yom Kippur, on Friday, Sept. 23, will be marked by Kol Nidre services starting at 8 p.m. Services are to be conducted through the following day and into the evening.

### Cactus Squares Schedule Classes

The Cactus Squares club is sponsoring a beginners square dance class starting Wednesday, Sept. 14, at 7:30 p.m. in the Community Center.

The first three classes are free and designed to acquaint persons with square dancing. They will be followed by 21 consecutive Wednesday nights, to completion of the course.

The Cactus Squares and their caller and instructor, Ivan Hall, urge all interested parties to attend.

### Welcome Aboard



LCDR. WALTER R. PETERSEN is new at NOTS where he will be Air - to - Surface Weapons Officer with Code 40. He was lately Operations Officer with VA-76 at NAS Oceana, Virginia, and previously served as Assistant Catapult and Arresting Gear Officer on the USS Forrestal. LCDr. Petersen is a native of Dundee, N.Y., and attended the Rochester Institute of Technology in that state. His naval service has brought him 14 Air Medals, the Viet Nam Service Medal, the Armed Forces Expeditionary Medal (Dominican Republic) and others. He and his wife Betty and their children Rebecca, 7, and Craig, 4, will make their home in the desert at 117 Coral Sea Circle.

### Astronomers To Tell Lakers Of Convention

A report on activities at the 18th annual convention of the Western Amateur Astronomers will be given at the meeting of the China Lake Astronomical Society on Monday, September 12, 7:30 p.m., in the society's clubhouse at 401 McIntire Street.

Seven members of the local society attended the convention at Millbrae, near San Francisco. Their report will be illustrated with slides and films taken during the convention.

Astronomical and educational facilities in several parts of the Bay area were visited, and the pictures will include a number of scenic views. The public is cordially invited.

The meeting will also include a "star party" tentatively set for September 16, and field trips during the next few months.

### Picnic Equipment At Sandquist Spa

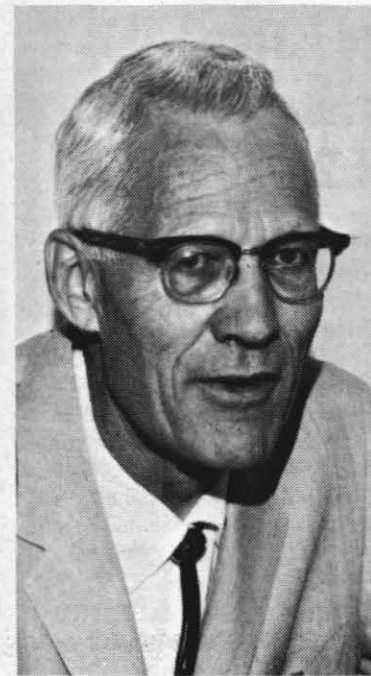
Barbeques, tables and play-ground equipment are available for family outings or group picnics at Sandquist Spa.

Reservations for group parties and picnics should be made with Mr. Lewis Hayton, new Sandquist Spa Manager, at the Community Center.

# 165 Years Of Police Knowledge



J. E. DOWD  
Assistant Chief  
Over 20 years police work.



R. H. BODWELL  
Associate Head  
A native of Burlington, Vermont, Bodwell came to NOTS nearly 20 years ago from the Lockheed Company in Burbank. He has been with the Security Department for several years.



LT. S. R. McMULLEN  
Security Officer  
Came to NOTS in February 1966 to assume duties as Head, Security Department. He enlisted in the Navy in June of 1943 as an Apprentice Seaman. In March 1963 he was commissioned a Lt. (j.g.).



V. A. "SLIM" CUMMINS  
Chief of Police  
Chief Cummins is a long time employee of the NOTS Police Department. He has attended the Academy of Police Science in San Diego, Calif. The Academy is rated as one of the tops in the nation.



A. C. JONES  
Supervisory Detective  
Over 15 years police work.



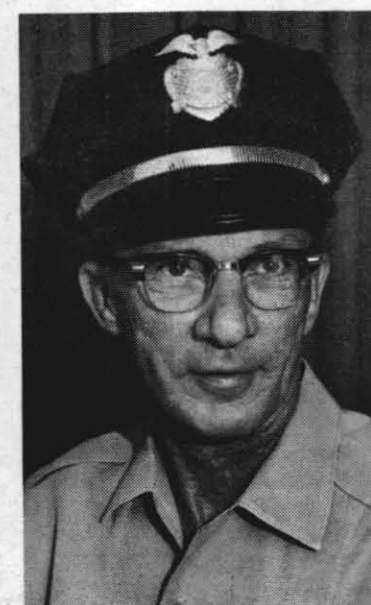
C.A.L. MITCHELL  
Detective  
Over 5 years police work.



K. L. BEAVER  
Supervisory Detective  
Over 15 years police work.



G. D. HUNSAKER  
Sergeant  
Over 7 years police work.



H. R. SMITH  
Sergeant  
Over 12 years police work.



J. R. PEARIA  
Sergeant  
Over 9 years police work.



D. L. WRIGHT  
Sergeant  
Over 6 years police work.



F. A. GRAHAM  
Sergeant  
Over 13 years police work.

## They Strive To Keep NOTS Safe

BY DAVID L. KIMSEY

The 14 men on this page are the supervisors of the highly trained NOTS, China Lake Police Department. In all, there are 78 people assigned to this department which includes an efficient police force with a chief, assistant chief, detectives, juvenile officer, sergeants, police women and patrolmen that not only compare with any metropolitan police, but include security and range guards as well.

For some unknown reason, many police departments of military reservations are looked upon by the general public as nothing more than a group of sentries with no other duties than to assure that the wrong people didn't get on the Station or into the wrong area. This is a far cry from the true purpose of these men and women.

Each NOTS officer and guard has been carefully selected for his knowledge and ability as a law enforcement officer. Many attend the nine week Police College in Bakersfield and several are sworn in as a Deputy Sheriff for Kern County. All must qualify in the use of small arms.

The department is assigned the responsibility of the enforcement of Federal and

State laws, County Ordinances, Station Regulations, the protection of life and property, and the protection of Government classified matter.

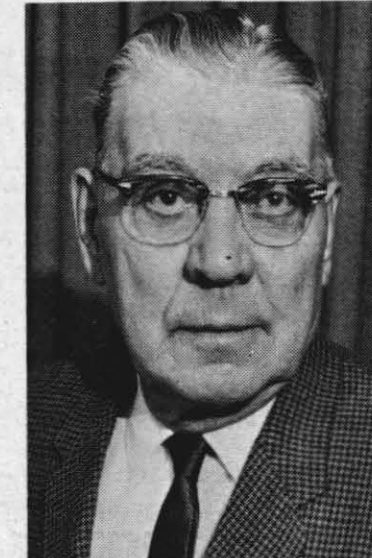
It conducts its own investigations from start to finish and on many occasions works hand-in-hand with the Federal Bureau of Investigation and the Office of Naval Intelligence, as well as the State, County and City police.

About the only difference you'll find between this police force and any other police force is that they have a wider scope of responsibility. Actually, they are two separate police groups (guards and police), rolled into one.

In order to provide complete security and protection of the Station and its residents, the department is divided into three eight hour shifts. The day watch from 7 a.m. to 3:30 p.m., the night watch from 3 p.m. to 11:30 p.m. and the morning watch from 11 p.m. to 7:30 a.m.

All in all the department is comprised of skilled, conscientious and courteous people dedicated in their desire to make this community a safe and secure place in which to work and live.

Detective G. E. Smith, over 10 years police work, was not present for photo.



R. F. CLINE  
Supervisor Detective  
Over 21 years police work.



A. B. ADAMS  
Sergeant  
Over 5 years police work.



REAR ADMIRAL Henry Miller, Chief of Information for the Navy, on a recent inspection tour of reserve units, presented an award to retiring Cdr. Douglas F. "Duck" George, Hollywood Naval Reserve Public Affairs Company 11-4, in appreciation of 25 years' participation in Navy activities. Cdr. George is well known at NOTS for his assistance in heading up a group of reserve public affairs specialists who aided in the first press exposure of the Sidewinder, as well as heading another similar group that assisted in press affairs on President Kennedy's visit.

# Silver Anniversary For USS Butternut

## NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

### Old "Tree" Ship Offers Memories Of 25 Years Ago

LT. DONALD L. SOLOMON reported aboard on April 3, 1966, as 17th Commanding Officer of the USS Butternut (AN-9). With 25 years of continuous active commissioned service, the Butternut enjoys the distinction of being one of the four oldest ships in the United States Navy.

VISITORS WERE GREETED with musical renditions by the Fort MacArthur 72nd Army Band, conducted by Warrant Officer Thompson.

← PHOTOS BY PH2 RALPH ROBEY



EM2 C. M. STANLEY, Butternut White Hat of the Year, presents a bouquet of roses to Janice Jackson, Miss White Hat, sponsored in this event by the Independent Business Men's Association of Greater Long Beach, Inc. Miss Jackson is a Long Beach City College sophomore.



THE TWENTY-FIFTH ANNIVERSARY ceremonies were opened with the Pledge of Allegiance to the Flag by the visitors and officers and crew members of the ship.



TOM FRANSDEN, Captain, USNR, and prominent KNBC (Channel 4) television personality, chats aboard ship with Rear Admiral F. A. Brandley, Commandant, Eleventh Naval District, San Diego, Calif.



AT THE PODIUM, featured speaker Captain G. H. Lowe, Officer in Charge, NOTS Pasadena, relates an amusing anecdote evidenced by the smiles of Jos. K. Waddington, Executive Vice President of the Independent Business Men's Association and RAdm. F. A. Brandley, Commandant, Eleventh Naval District (seated left to right).



TRADITIONAL CAKE-CUTTING ceremony is performed by Janice Jackson, Miss White Hat.

# Twenty Receive Educational Awards

A total of twenty NOTS employees will be pursuing full-time graduate studies this coming year under the support of NOTS Fellowships, according to Dr. A. G. Hoyem, Education Director. Eleven will be on extensions of earlier grants, eight on new NOTS Fellowships, and one on a NOTS Senior Fellowship. The latter will be doing postdoctoral study and research; all others have the Ph.D. as their objective.

The eleven who have had their NOTS Fellowships extended are the following:

**Joseph S. Brugler** of the Aviation Ordnance Department is attending Stanford University and continuing studies in Electrical Engineering, specializing in Information and Control Systems Theory.

**Terence M. Donovan** of the Research Department also is attending Stanford and continuing studies in Materials Science.

**David B. Fenneman** of the Propulsion Development Department is attending the University of Illinois and continuing graduate studies in Physics.

**Lawrence J. Gray** of the Underwater Ordnance Department, Pasadena, is at the University of Illinois also, specializing in Physical Metallurgy.

**Peter G. Krueger** of the Systems Development Department will return to the University of California, Riverside, to continue his studies in Solid State Physics.

**Charles M. Merrow** of the Underwater Ordnance Department, Pasadena, will be continuing studies in Mathematical Analysis at the California Institute of Technology.

**Robert H. Nunn** of the Propulsion Development Department is continuing his graduate study in Mechanical Engineering at the University of California, Davis, specializing in Fluid Mechanics and Heat Transfer.

**Merle E. Ross** of the Aviation Ordnance Department is attending Montana State University and continuing studies in Electrical Engineering, with emphasis on Information Theory and Network Synthesis.

**Jeffrey M. Speiser** of the Underwater Ordnance Department, Pasadena, will return to his graduate studies in Electrical Engineering, and in Communication Systems especially, at UCLA.

**William J. Stronge** of the Research Department will be returning to Stanford to continue

his studies in the Applied Mechanics area of Mechanical Engineering.

**William H. Thielbahr** of the Propulsion Development Department will also be returning to Stanford for continuation of his studies in Mechanical Engineering, Thermoscience option.

The following are new NOTS Fellowships whose awards, like the extensions above, are for the duration of the 1966-67 academic year.

**Baldassare A. Bologna** will attend the University of Southern California and pursue graduate studies in Electrical Engineering. A member of the Guidance and Control Division of the Underwater Ordnance Department, Pasadena, his interests are control systems and network synthesis. He is a graduate of the University of Arizona where he was awarded a Bachelor of Science degree in Electrical Engineering and in Mathematics in June 1960. In June 1964 he received a Master of Science degree in Electrical Engineering from the University of Southern California, following part-time study under the Underwater Ordnance Department's Graduate Academic Program.

Mr. Bologna was born in Palermo, Sicily, and has been a NOTS employee since June 1960.

**Joseph S. Bottero** will attend Oregon State University for advanced studies in Physical Oceanography. Mr. Bottero has been at NOTS, China Lake, since July 1962, arriving shortly after receiving a Bachelor of Science degree in Mathematics from Portland State College. He is a member of the Weapons Planning Group where his work in weapons analysis is requiring specialized knowledge of underwater acoustics and of oceanography in general. Since arriving at NOTS he has been a regular student in the Station's UCLA Extension and Graduate Program.

Mr. Bottero was born in Modesto, California, and he and his wife, Kathleen, have two daughters and a son.

**John L. Eisel**, in June of this year, received a Master's degree in Physics from the University of California at Davis, earned while on leave without pay from the Station. He is now enrolled at the University of Utah where he is pursuing advanced studies in Chemical Engineering to prepare for specialized work in that field when he returns to the Aero-



J. L. EISEL



B. A. BOLOGNA



M. L. STURGEON



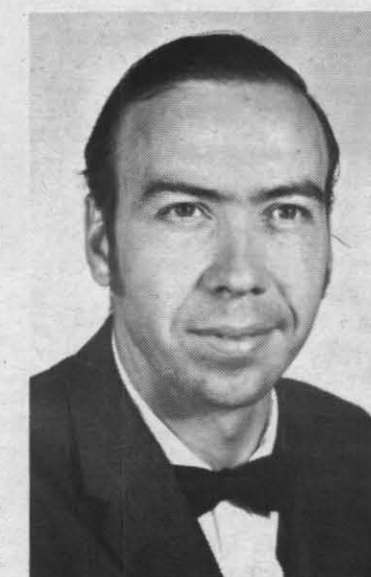
F. C. REED



J. C. MITCHELL, JR.



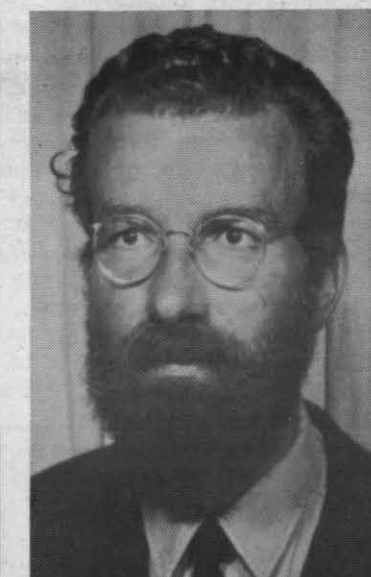
R. L. ROCKWELL



DR. W. R. CARPENTER



R. E. FRYER



J. S. BOTTERO

thermochemistry Group in the Research Department.

Mr. Eisel was born in Vallejo, California, is married and has one son and one daughter.

**Richard E. Fryer** will attend the University of California at Santa Barbara for advanced

study in Solid State Physics. He graduated from Eastern Illinois University with a BS in Physics in June 1962 and was awarded a Master's degree in Physics at Michigan State University in March 1964. He has been at NOTS since February

1964 and is currently a member of the Physical Optics Branch in the Research Department.

Mr. Fryer was born in Florida, Illinois, and is married. **James C. Mitchell, Jr.** will (Continued on Page 7)

### STATION LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

- Benchley—A Firm Word or Two.
- Berridge—Across the Common.
- Epstein—A Penny for Charity.
- Rascovich—The Eagle and His Egg.
- Sharp—The Sun in Scorpio.

- Non-Fiction**
- Axelrod—Tropical Fish in Your Home.
- Durbin—Southeast Asia.
- Edwards—The Tired Adult's Guide to Backyard Fun with Kids.
- Reynolds—Pioneer Circuses of the West.

Humiston—Fundamentals of Sports for Girls and Women.

Russell—The Secret Islands.

Smith—Men Against the Mountains.

### Kids Must Have Theatre Passes

Dependent children of military and civilian personnel between the ages of five and ten years are required to possess a pass for admittance to the theatre.

These passes may be obtained in a very few minutes from the identification section.

### Career Books Are Available At The Station Library

The bulletin board at the entrance to the Station Library currently features books on careers.

These titles are helpful for young people in choosing a career and in making plans for the education and training needed for a given career.

Material available in book form is supplemented by the vertical file containing many pamphlets and articles about careers.

### Deep Submergence Project Office Now Activated at Ballast Point

The Deep Submergence Systems Project Technical Office (DSSPTO) was activated in ceremonies at 10 a.m., September 1, 1966, at the Submarine Support Facility, Ballast Point.

"Home Port" The Navy will then activate a permanent "home port" and training facility for all Navy Aquanauts assigned to the Man-in-the-Sea program.

The technical office will be under the direction of Captain **Walter F. Mazzone, Medical Service Corps, U.S. Navy**, a native of San Jose, California.

Captain Mazzone served as physiological control officer during both of the Navy's previous two SEALAB experiments.

The technical office will provide curricula, schedules, and facilities for training present and future Navy Aquanauts. In addition, the new office will provide engineering, research, testing, and technical services for specific Navy operational requirements, and provide assistance during implementation of ocean engineering hard-

(Continued on Page 7)

