

Here September 11



THE CHERRY CREEK SINGERS, "Dynamic Pop-Folk Ballads," will appear at the Station Theater along with The Beach Boys on Wednesday, Sept. 11. The two groups will present a concert at 8 p.m. Reserve tickets are now on sale at the Station Theatre box office for \$2 each from 10 a.m. to 7 p.m. daily. The event is open to residents of Indian Wells Valley.

'Guys and Dolls' Final Tryouts Tonight at Burroughs High

Final tryouts for "Guys and Dolls," the fall production of the local division of Bakersfield College, will be held tonight. All China Lake residents have been invited to participate in the show which is to be staged Nov. 22 and 23 for three performances.

SHOWBOAT

FRIDAY — **HERO'S ISLAND** (94 Min.) James Mason, Neville Brand
7 p.m.
(Adventure Drama in Color) A family and a friend inherit an island and attempt to start life anew. They almost lose their new home to ruffian fishermen until a pirate shows up. Different.
(Adults and Young People)
SHORT: "Stowaway Woody" (7 Min.)

SATURDAY — **TARZAN'S ADVENTURE** (88 Min.) Gordon Scott
1 p.m.
SHORT: "Mice Mike" (7 Min.)
"Iron Horse No. 11" (16 Min.)
— **EVENING** —
"CALIFORNIA" (75 Min.) Jock Mahoney, Faith Domergue
7 p.m.
(Historical Western) The people of Monterey, California unite to apply for admission to the United States as sympathizers aid Mexican troops against them. A colorful study of history complete with flashing swords.
(Adults and Young People)
SHORT: "Gumshoe Magoo" (7 Min.)
"Wonderful Africa" (18 Min.)

SUN. - MON. — **"LOVER COME BACK"** (107 Min.) Doris Day, Rock Hudson, Eddie Adams
7 p.m.
(Comedy in Color) Lovely Ad Agency executive fumes when a handsome competitor steals her new account so he tries to make up by selling a non-existent product for her. Here's a wowl!
SHORT: "Fast and Furryous (Roadrunner)" (7 Min.)

TUES. — **"THE YELLOW CANARY"** (93 Min.) Pat Boone, Barbara Eden
7 p.m.
(Mystery) Drama of a singer who becomes an idol and let's it go to his head until his infant son is kidnapped. A different role for Pat. Has solid, suspenseful interest.
(Adults and Young People)
SHORT: "Teahouse Mouse" (7 Min.)
"Main, U. S. A." (10 Min.)
"Main Street, U.S.A." (10 Min.)

WED. — **SPECIAL SERVICES PRESENTS**
Concert by **BEACH BOYS** and the **CHERRY CREEK SINGERS**
On Stage — 8 p.m.
THURS. - FRI. — **"THE CARETAKERS"** (98 Min.) Robert Stock, Polly Bergen
7 p.m.
(Drama) Young doctor has a policy battle with veteran head nurse regarding treatment of borderline mental cases. To use or not to use group therapy is the question with Polly as "Guinea Pig."
SHORT: "Greedy Gobby Gator" (7 Min.)

Basil Rathbone, Rise Stevens, Jose Greco to Star in Concert

For those who like Shakespeare, enjoy the opera and thrill to the excitement of Flamenco dancing, a brilliant season has been planned by the NOTS Civic Concert Association.

Basil Rathbone, Rise Stevens, and Jose Greco were revealed as the stars of the 1963-64 season.

"In and Out of Character," an evening of poetry, theatrical lore, and scenes from Shakespeare as interpreted by Rathbone will open the concert season on Wednesday evening, Nov. 13.

He will read selections from Edgar Allen Poe, Houseman, Browning, Elizabeth Barrett Browning, and Shakespeare.

"I try to show in 'In and Out of Character' that you don't have to be sick to be a good poet or dramatist, though you might think so from the day-to-day happenings in our entertainment worlds," Rathbone says.

Alan Mills, Canadian folklorist and singer, will appear in a concert with Sam Hinton, ballad singer, in a program of "Songs of North America" on Dec. 4.

"Folk singers are tremendously popular this year," Dr. G. S. Colladay, sales campaign chairman said, "and we are presenting two of the best singers and most interesting personalities in this field."

Rise Stevens' 'First Choice' "Carmen, the glamorous and irresistible singer and siren, will be with us when Rise Stevens sings on Tuesday evening, Feb. 4," said Mrs. Robert A. Walker, members of the board of directors, in introducing the third concert.

Rise Stevens was the first choice in the audience survey taken last spring among all vocalists, Mrs. Walker reported, and the board of directors was able to sign up the world famous star of the Metropolitan Opera for this season.

Jose Greco and Company have made Spanish ballet world-famous and were the group that hundreds of last year's subscribers



BASIL RATHBONE
To Open NOTS Concert Season With 'In and Out of Character,' An Evening of Poetry and Theatrical Lore

The ticket sales campaign will continue until Sept. 25. All seats for the concert are reserved and the season ticket prices are \$12, \$10 and \$8. Last year's ticket holders will receive renewal cards in the mail, according to Lou Bagge, ticket manager, and are asked to renew by mail.

Violinist in Finale
Mrs. James Wiseman, Searles Valley sales representative and member of the board tells of Alice Shoenfeld German-born violinist, who will present the final concert on Wednesday evening Mar. 11. "The Board felt that we would very much like to present this fine violinist who has attained artistic maturity, but is not yet nationally known."

Miss Shoenfeld will appear as a soloist with the Shoenfeld Ensemble. They will play Beethoven's Septet in E Flat, the sonata in G minor for cello and harpsichord by Bach, and the Sonata in F major for violin and harpsichord by Mozart.



RISE STEVENS
'Carmen' Will Be With Us On February 4



JOSE GRECO'S FLAMENCO DANCERS

From _____

TO _____

PLACE STAMP HERE

Committee to Petition for FM Booster

The Community Council is planning to file application to the FCC for permission to operate an experimental FM booster station from Laurel Mountain. It is estimated that it will cost approximately \$500.

To help establish a need for such a booster, the FM Committee will circulate a petition, beginning this weekend, in order to sample the interest of residents in Indian Wells Valley.

The petition will state a desire to operate an FM booster because it would provide musical, educational and cultural benefits to our communities. Only one signature per household will be necessary.

The petition will be available from Community Council Directors, FM Committee Members, and in Bennington Plaza, Michelson Laboratory and Ridgecrest Shopping Centers.

Members of the FM Committee from whom the petition will be available are Bill Hattabaugh, Dick Hape, Claude Hyten, Lee Hughes and Harold Washmuth.

Pub Works Checks Heating Equipment

Public Works Department mechanics will inspect and adjust all heating equipment and appliances in Station housing starting this month, it was announced this week.

Since work is starting immediately, it will not be possible to contact each tenant for permission to enter. Station residents who object to having Public Works mechanics enter their residence for this work should call extension "7177" and so inform the Public Works Department.

If a call is not made, it will be assumed that permission to enter has been granted.

The inspections are being made to insure efficient and continuous operation of all heating equipment during the winter months.

FROM UNDER THE SEA TO THE STARS

Vol. XVIII, No. 35 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA Friday, Sept. 6, 1963

'Open' Community Study

Tell Effect on Road Maintenance, Utilities

Retroactive Pay If Necessary

Congressmen Agree Hike Will Take Effect Oct. 1

Washington (AFPS) — Regardless of a delay in final approval of the 1963 military pay bill (H.R. 5555), servicemen have been assured that the effective date of Oct. 1 will stand.

Both Sen. Richard Russell (D., Ga.), Chairman of the Senate Armed Services Committee, and Rep. L. Mendel Rivers (D., S.C.), of the House Armed Services Committee, told Armed Forces Press Service that any delay "would not alter the effective date of Oct. 1."

This means the pay raise would be retroactive if passage is stymied by other, more urgent bills in Congress.

It is likely, according to reports, that the committees will meet in September. But there exists a remote possibility that the committees will not get together until October or November.

As it now stands, the Senate and House have passed separate military pay bills that differ in some areas. A conference committee from each must meet to iron-out the differences before the bill can be sent to President Kennedy for signature.

Heads Personnel



RAY HARRISON has been named by Station management to head the Personnel Department. The appointment became effective Sept. 1. Harrison has served as acting head since the departure of R. W. Anderson.

Nurses, Waves Get Pay Angle Break

WASHINGTON — A provision in the Senate version of the pay bill giving officers living alone a financial break could be most beneficial to single nurses and waves.

The provision would give authority for officers without dependents in grades O-4 and above to receive quarters allowance when they are not occupying government quarters. About 2100 such officers could benefit, and Defense officials say that the largest group affected would be single women.

Colladay, Heyhoe Named To SecNav Community Committee

Two NOTS' employees have been selected to serve on a significant community study committee established by the Chief, Bureau of Yards and Docks, at the direction of Secretary of the Navy Fred Korth.

Named to serve on the eight-man committee were Dr. G. S. Colladay, Asst. Technical Director for Plans and Head of the Weapons Planning Group, and Ken W. Heyhoe, Assoc. Head of Staff for Management.

According to Secretary Korth the purpose of the committee is "to study the various possible alternatives to make some suitable form of private (home) ownership available for NOTS personnel.

The study will specifically include considerations of solutions reached by the Atomic Energy Commission at Los Alamos and Oak Ridge, and consideration of FHA financing.

The other five members of the committee consist of four Bureau of Yards and Docks Personnel and one BuWeps employee. BuDock's committee members are: Chairman Wilfred P. Tiencken, Real Property Management; R. G. Muench, Director Real Estate Div., Southwest Division; P. C. Killeen, Planning and Review Branch, Family Housing Group; T. W. Friedman, Facility Planning Div., Planning and Design Group; Abner Frank, Associate Counsel, Office of Counsel; while Allen W. Himes is the BuWeps representative.

In his directive which set up the committee, Secretary Korth stated, "To insure that all facets of the local problem are included, membership of the study group shall include personnel from NOTS."

Colladay and Heyhoe are well qualified for this role in the study group, since both served on the NOTS' "Open" Community Committee which reported its findings to Station Management and the Station Advisory Board in June of this year. Both are well aware of Station and community problems.

Although the study group has not yet announced its agenda, an initial meeting is being scheduled to be held at NOTS.

Personnel Utilization Survey Is Underway

A survey is being conducted at NOTS to determine if civilians in grades GS-1 through 6 and ungraded up through W-9 have skills which are not being utilized in their current assignments.

If you are a Career or Career Conditional employee, in the grades mentioned above, and believe you have skills or abilities which could be utilized to a much better advantage in some other position, you should complete the questionnaire handed to you today and return it to the Personnel Department (Code 658) by September 13.

In case you didn't receive your questionnaire, contact your Personnel Technician

(Editor's Note: This is the fourth article in a series being published to give the residents of China Lake the information available concerning the "open" community study.)

This article will discuss road maintenance and the operation of utility systems at China Lake, and what the probable impact of an open community upon them would be.

How these services were affected at the AEC cities will be reviewed, and the part that tax structures and private utility companies might play will be described.

The purpose of this series is to make as much information as possible available, so the citizens of China Lake will be in the best position to form an opinion about the desirability of an open community at China Lake.

Maintenance of Roads
The roads in the community area of the Naval Station are maintained by the Station. The equipment used in this maintenance had an acquisition cost of \$175,000. Major street improvements including resurfacing, street and crosswalk striping, and street sweeping are all accomplished by contract. The entire cost of road maintenance is borne by the Navy Department.

The major revenue sources for street maintenance in an incorporated city are State rebates, or subventions, from taxes. These taxes, which incidentally are already being paid by China Lake residents, are:

- "In Lieu Tax" on motor vehicles.** The estimated per capita yield to cities from the "in lieu" tax on motor vehicles for 1962-63 is \$5.18. This revenue comes from the State 2 per cent tax on valuation of motor vehicles which is paid as part of the annual motor vehicle license fees. The total yield received by a city is computed by multiplying the per capita yield of \$5.18 times the city's population. The population for an incorporated area is determined by the latest Federal census, or, in the case of a new city by multiplying the number of registered voters by three.

The funds received from this source can be used for the regulation and control of highway traffic, street maintenance and construction, flood control, health, sewer maintenance, parks, street lighting and any State purpose.

- State Gas Tax.** The estimated per capita yield for cities from the State gas tax during 1962-63 was \$2.91. The total yield in the case of a new city (pending the next Federal census) is determined by multiplying the population (3 times the number of registered voters) by the per capita yield. Funds also

(Continued on Page 2)

U. Missouri Graduate New Commander's Aide

Ensign William R. Borgstadt, USNR, a University of Missouri graduate before entering Officer Candidate School, reported aboard Tuesday as the new Administrative Assistant to the Station Commander.

He relieves Lt. Robert H. Dolloff of the Supply Department, who has been acting Administrative Assistant.

He majored in accounting at Missouri and was a member of Delta Sigma Pi, a professional business fraternity. Before entering Officers Candidate School he worked for six months as a systems and procedures analyst for the Laclede Steel Co. at St. Louis, Mo.

His first assignment after receiving his ensign commission in April of 1962 was aboard USS Pickaway (APA-222) as Combat Information Center officer. He served aboard her until he received orders to report to NOTS.

Film Society Tickets Available Today

Tickets for the 1963-64 China Lake Film Society season will be available until 6 p.m. today at a desk outside the Navy Exchange Store, Bennington Plaza.

ENSIGN W. R. BORGSTADT
ative Aide, since Lt. (jg) William M. O'Mara received orders to report to UDT at San Diego. The new aide, a native of Con-

CROSSWORD PUZZLE

Answer to Previous Puzzle

ACROSS

- Shade
- Snake
- Word of sorrow
- Pintal duck
- By way of
- Gull-like bird
- Likely
- Doubts
- Large bird
- Note of scorn
- Cultivated land
- A continent (abbr.)
- Symbol for silver
- Condescending looks
- Waver in opinion
- Place in line
- Idle talk
- Possessive pronoun
- Communists
- Uncouth person
- Girl's name
- Dutch town
- Temporary bed
- Heals
- Baker's yeast
- Lean-to
- Parent (coll.)
- Exist
- Vegetable
- Pronoun
- Number
- Chief artery
- Distant
- Announcements
- Youngsters
- Mature
- Woody plant

DOWN

- Former Russian ruler
- Urged on
- Openwork fabric
- Symbol for tellurium
- Declare
- Country of Asia
- Equality
- Near general sorrow
- Movable part of motor
- Journey
- Supercilious person
- Marshes
- Symbol for gold
- Downy duck
- Parent (colloq.)
- Piece of cut lumber
- Exist
- Ship channel
- Ethiopian title
- Mountain pass
- Fat about the kidneys
- Tidy
- Swindle
- River in Siberia
- Rivets
- Protective ditch
- Girl's name
- Ship's prison
- Horse's neck
- Hair
- Gaelic
- Goal
- South American wood sorrel
- Preposition
- Pronoun
- Etruscan

Dist. by United Features Syndicate, Inc.

For Use in Authorized Service Newspapers Only.

CHAPLAIN'S MESSAGE

Concern in School Days

By CHAPLAIN MARK E. FITE



About this time each year parents feel the emotional reaction connected with their children going to school.

It is good for parents to be thus concerned for it would be a difficult community or world in which to live without it.

This counsel applies equally to parents as well as to children. Inevitably the time comes when our own human insight is insufficient for our needs; but as this verse proclaims, help is readily available.

PROMOTIONAL OPPORTUNITIES

Present Station employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58.

Staff Nurse (Medicine and Surgery), GS-5 or 6, Code 88 - General and specialized nursing care in the hospital and out-patient department.

Apply for above position with Mary Morrison, Bldg. 34, Room 34, Ext. 72032.

Clerk (Dictating Machine Transcriber), GS-5, 040035, Code 405 - Incumbent performs secretarial type duties for the Head of the Air to Air Weapons Division of the Weapons Development Department.

File application for above with D. Childers, Bldg. 34, Room 26, Phone 72676.

Secretary (Typing), GS-4, PD 055029, Code 5551 - As secretary to the Head, Design Disclosure Branch, prepares and handles all types of correspondence and reports; establishes and maintains office files.

Clerk, GS-4, PD 355035, Code 5511 - Performs general clerical duties consisting of screening incoming correspondence for classification, takes requests for reproductions, prints, etc.

Refrigeration & Air Conditioning Plant Operator, \$2.94 to \$3.18 p/h, Code 70424 - Operates various types of refrigerating equipment to air-conditioned buildings, to cool cold storage rooms, or to manufacture ice.

File application for above with J. Thomas, Bldg. 34, Room 31, Phone 71393.

Engineering Technician, GS-12, PD 355076, Code 3542 - Provides technical and administrative project coordination of several flight programs assigned to the Branch and the analysis and evaluation of the program results.

File application for above with Mary Morrison, Bldg. 34, Room 34, Phone 72032.

Deadline for filing applications is Sept. 13.

'DESERT PHILOSOPHER'

Background On Bendire Canyon

By "POP" LOFINCK



Where did Bendire Canyon, leading down from Maturango to Panamint Valley, get its name?

Very few people know of the Bendire Report. It is a rare one. And it is also one of the very earliest authoritative accounts through the Coso area.

The Coso-Argus area was active at quite an early date—and it was the report of such activity that led the Army into conducting a series of exploration and topographical expeditions.

An old friend, George Koenig, who has been delving into Death Valley area history, sticks his neck out in today's column. He has flown over—Jeeped over and hiked over the Panamint Range, the Slate Range and Argus Range.

So here's to George!

Walk softly along the trails from Coso to Junction Ranch, friends, lest you disturb the history that has rested quietly for a century and more amid the sand and sage.

Of the ardent adventurers who criss-crossed the Argus-Coso in search of the "Gunsight" silver, Dr. E. Darwin French's expedition of 1860 is fairly familiar. But even before this his less known 1950 expedition stopped over "... where the Josephine Mill now stands in Coso."

FAILURE SPURRED THEM ON

Failure to find the legendary lost silver lead only served to spur others on, including the Dr. George party that prowled the Panamints in the Fall of 1860. And, in the Spring of '61, the site of Coso saw the Rough & Ready Mining Company that included Dennis Searles, "father" of Trona.

Even William Manley, of Death Valley 49er fame, picturesquely described Coso Hot Springs on his way to Coso and Crystal Springs in '61, where "... we got news that ... Sumter had been fired upon. Southern sympathizers were plentiful (and) pistol shooting was brisk."

Indeed, were one to comb the diggin's of Coso, Coles Flat, etc., in the 1860's, the populace would likely rival the still slumber pueblo at Los Angeles. But these were men more given to making history than writing it.

THE TURN TO THE FAR WEST

With the cessation of the Civil War, the United States resumed its exploratory attentions to the vast, relatively unknown areas of the Far West.

Presaging the more expansive topographical parties of Lt. Wheeler that followed, a scouting expedition under Lt. Bendire (oft, and perhaps more correctly spelled Bendere) left Camp Independence on April 6, 1867 with 25 men of Co. D, 1st U.S. Cavalry, plus four civilian guides and packers.

From the south side of Owen's Lake, Bendire's detail continued to the Coso mines via Raney (Crystal) Springs along the old wagon road through lower Centennial Flat.

From here they struck southeasterly through Etcheron Valley (now called Junction Valley or Carricart Valley), past historic Junction Ranch, to "Neil Spring—possibly present day LaMotte or Margaret Ann Spring—in the Argus range south of Shepherd Canyon.

On Wheeler's subsequent and surprisingly accurate mapping for as early as 1871-75, Lt. Bendire's route from Junction Ranch is not only shown below Shepherd Canyon (identified even to the old "toll house"), but names the next "pass" south as BENDIRE CANYON in fitting tribute to the trail blazer who passed that way.

But history is fickle as well as fleeting. Not only were Lt. Bendire's exploits lost to view, but the intervening years even shifted his claim to fame, as unknown cartographers "moved" Bendire Canyon north of Shepherd Canyon.

For those who don't mind postscripts, Lt. Bendire worked his way north through Nevada to near the site of Manhattan before circling back via Deep Springs Valley to reach Camp Independence, footsore and saddle weary, on May 22nd.

Adding a postscript of my own, on your next visit to our Maturango Museum, take a look at the Wheeler map on display. You'll see the route and canyon, that, however it drifted north, so deservedly bears Lt. Bendire's name.

Water Canyon was the original Bendire Canyon—so named by Lt. Wheeler and put on his map. So, Lt. Bendire trekked down what is now know as Water Canyon, passing LaMotte and Margaret Ann Springs on the way to Panamint Valley.

"POP"

SO LONG, HORSEHIDE...HI, PIGSKIN



NAF Gridders

MEMBERS of the Naval Air Facility 1963 football squad held their first workout at Kelly Field last week. Front row, left to right: Grundy, Huggill, Mrkonja, Lahr, Perkins, and Leonard.

RIM SHOTS

By BILL VALENTEEN



The Ridgecrest-China Lake area can lay claim to some of the best archers in the country. This valley has become the home of some of the most important bow titles in the U.S.A.

Bill Rice's cub, for example, is the national junior archery champion. He recently won the title at one of the national tournaments.

There are many such champions in this area — I would name them all, but quite frankly, I don't know who they are.

When I was a kid I used to love to watch them. They were held at a Steeplechase run, far out in the country. These tournaments, or "shoots" as they are called, include a number of interesting events.

NOVELTY SHOTS POPULAR

The novelty shoots are the most popular, it seems. Archers will contrive almost anything to give them a different kind of shooting situation. One of these, I remember, was created through the use of inflated balloons attached loosely to a target and hung at different heights from strings stretched between trees and poles.

Wand shoots are always popular. The wand is a target made of soft wood, about 2 inches wide and about 6 feet tall. This is stuck in the ground and shot at from a distance of 100 yards. Any arrow that hits this stick, or falls within an arrow's length is considered a hit.

Clout shooting is a ball, too. This is an event designed to improve accuracy at even longer distances. The target is laid on the ground so that not only do you have to be accurate with respect to direction, you must also have a good feel for distance.

Roving archery is even more interesting in that it consists of shooting at casual targets while walking across fairly open country. This is excellent practice for hunting, because you shoot at varying distances and different heights and target sizes.

ARCHERY RULES INTERESTING

You might be interested in some of the rules connected with archery shooting. The number of designated arrows that are to be used at a single turn is called an end. Each team has a target captain who decides scores, among other things.

The archers remain at least three yards behind the shooting line when not participating. Telling an archer where his arrow lands is not permitted while he is on the shooting line. And, any arrow shall be considered shot, if the archer, while standing on the shooting line, cannot reach it with his bow.

ARCHERY CENTURIES OLD

Archery is one of the oldest forms of competition on record. It has made its place in the civilizations of the world sometimes as a necessity, rather than as a sport. Archery is not included in the Olympic games, but I think it should be. Right now, and until September 16, deer season is open for archers. The regular season was increased this year to 17 days.

If any of you folks are interested in whether or not you'd be any good at this kind of activity, there's a fellow named Joe Stone you ought to see. He's got a hobby shop and range right alongside his house and he's very willing to talk to anyone who might get the bug.

Keep smilin', Sport! See you next week!

Incorporation Would Mean Assuming Responsibility

(Continued from Page 1)

cated to cities from the State gas tax are derived from 5/8th of a cent tax per gallon.

Should China Lake become an incorporated city, under the "open" community concept, it would assume all responsibility for the public streets and grounds within the incorporated area.

No Funds From County - The County of Kern has been receiving the State subventions for China Lake, just as it receives the subventions for all unincorporated areas within the county.

The amount of the subventions can be computed by using the formulas given above for China Lake's 5,052 registered voters. It appears that the county has been receiving approximately \$120,000 annually, or \$600,000 over the past five years.

However, the county has expended no funds at China Lake because the funds must be expended on county roads which offer unlimited access to the public.

Prior to incorporation, road maintenance at Oak Ridge, Tenn., was accomplished by Management Services Inc., a direct contractor of the AEC, and road maintenance at Richland, Wash., was accomplished by a special Public Works Division of the General Electric Co., prime contractor for laboratory operation of Hanford Works under the AEC.

After incorporation, these cities assumed responsibility for road maintenance. Those contractor employees who formerly maintained the roads were hired by these cities. The government equipment used by the contractors for road maintenance was donated to Oak Ridge and Richland by the government.

Utility Systems

All of the utility distribution systems aboard the Station are Navy-owned and operated. The Station has its own water supply and its own steam plant. Natural gas, propane gas, and electricity are purchased in bulk by the Station from private utility companies and distributed through the Station's distribution systems.

In accordance with Navy regulations, these utilities are re-sold to tenants at the same domestic rate schedule for the public utility franchise area which includes Ridgecrest. The rates for electricity and natural gas are determined by domestic service schedules which are set by the California Public Utilities Commission.

In re-selling these utilities at domestic rates the Station collects approximately \$370,000 per year in excess of the bulk purchase and operating costs. This additional money is not retained by the Station; it must be returned to the Federal general fund.

Water rates are set in accordance with the rates for the Los Angeles Water District No. 4 (Lancaster). Sewage and trash disposal services are sold at Navy cost.

Basis of Charges

Utility charges to China Lake

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California. Captain Charles Bleaman, Jr., USN Station Commander. "The 'R'" Bibby. Public Information Officer: Jack G. Broward, Editorial Advisor; Richard Grossberg, Editor; Budd Gatt, Associate Editor; Chuck Mangold, Special Services Athletic Director.



Christian Science (Chapel Annex) Morning Service—11 a.m. Sunday School—11 a.m. Protestants (All Faith Chapel) Morning Worship—8:30 a.m. and 11 a.m. Sunday School—9:30 a.m., Groves and Richmond elementary schools. Roman Catholic (All Faith Chapel) Holy Mass—7, 9:30 a.m. and 12:30, 5:30 p.m. Sunday, 6 a.m. Monday through Friday, 8:30 a.m. Saturday. Confessions—8 to 8:25 a.m., 7 to 8:30 p.m. Saturday, Thursday before First Friday—4 to 5:30 p.m. NOTES Hebrew Services (East Wing All Faith Chapel) Every first and third Friday, 9:15 p.m. Sabbath School every Saturday morning.

Part One - AFPS Football Series, 1963

USC, Northwestern Aiming For National Championship

(Editor's Note: The Armed Forces Press Service has compiled a series of articles on the forthcoming football season. Conferences spotlighted include the west coast Big Six, the Big Ten, Southwest Conference, Independents, Southeast, Big Eight, Ivy League, the Service Academies and the NFL and AFL.)

Changes in rules, musical chairs within the coaching ranks, and the powerful statures of Southern California and Northwestern are hoarding headlines in the 1963 college football outlook.

But, however cut-and-dried a football season may appear, the game is notorious for its reversals, surprises and upheavals.

It remains to be seen what "real" effect the new substitution rule will have on major college football, but consensus holds that it will increase spectator interest while sacrificing the three unit system invented at Louisiana State by Paul Dietzel, now at Army.

'Unlimited' Substitution

The controversial rule stipulates that unlimited substitution may be made by either team during all time outs except on fourth down or on the down immediately after the ball changes hands. But a team may substitute two "wild card" players on fourth down or the down following change of possession.

Ninety-four coaching seats have been vacated and filled at NCAA affiliated schools since last season ended.

When the music stopped, notables grabbing new chairs included Hugh Devore at Notre Dame, John Ralston at Stanford, Jim McDonald at Tennessee, Ed Crowder at Colorado, Phil Cutchin at Oklahoma State, Jack Green at Vanderbilt and Johnny Pont at Yale.

Meanwhile, who will rule the roost in national rankings this year? Consensus points its finger at a ripened bunch from Northwestern (Big Ten) and at the defending national champ, Southern California (Big Six).

THE BIG TEN

Northwestern, it is generally felt, has the best chance to win the conference title and visit the Rose Bowl on Jan. 1, 1964. Coach Ara Parseghian bases his optimism around rugged guard Jack Cvercko and junior quarterback Tom Myers. As a soph, Myers' brilliant passing gave the Wild-

cats a fast start last year. In the wings are two perennial Big Ten contenders, Wisconsin and Ohio State. Milt Bruhn must fill the shoes of Ron Vanderkelen and Pat Richter. Ohio's Woody Hayes may find the dark horse role his cup of tea.

Minnesota, Iowa, Michigan State and Purdue will make their Big Ten presence felt. Cellardwellers Michigan, Indiana and Illinois should show marked improvement.

THE BIG SIX

The Trojans of USC are busting to repeat, and the "B" boys—Bedsole, Brown, Bame and Beathard—rate "A" attention every Saturday.

Washington looms as a troublemaker, but depth problems cause concern in Seattle. Stanford, UCLA and California are hampered by a combination of things—among them lack of material, coaching changes and Southern California. Washington State plays only two conference games.

Aetna Agent to Be At Community Center Monday and Tuesday

Howard Keenan, representative of Aetna Life Insurance Co., will be at the Community Center from 8:30 a.m. on Monday and from 8:30 a.m. to 4:30 p.m. on Tuesday. Members of the Aetna Federal Employees Health Benefits Program may consult Mr. Keenan from 8:30 a.m. on Monday and from 8:30 a.m. to 4:30 p.m. on Tuesday.

Military Free at L.A. Fair Sept. 15

POMONA — Armed Forces Day has been set for Sunday, Sept. 15, as the 1963 Los Angeles County Fair in Pomona pays special tribute to members of United States military services. On this day, military personnel in uniform are admitted free to the fairgrounds as guests of the

SPORTS QUIZ

- 1. Who was the only player in either major league to win the triple crown—home runs, batting average and runs batted in—two times?
2. Ty Cobb had a .367 lifetime batting average. Who were the third, fourth and fifth place percentage hitters?
3. Who holds the single season record for total bases and what is it?
4. Which pitcher holds the modern record for winning 20 games or more per season?
5. Who set the record for pinch hit homers in the big leagues? This record was set in August 1963.

(Answers to Quiz)

- 1. Ted Williams, 1942 and 1947
2. Joe Jackson, .356; Roger B. Frazier, .349
3. George Herman Ruth, 457
4. Christy Mathewson, 13
5. Jerry Lynch, 15.



WHO'S LOOKING?—Eyes are upon Shapely Philippine actress Sonia Habana as she basks in the sun by a Las Vegas swimming pool.

NOTS Pasadena News

Virginia E. Lane — Ext. 481

J. Phillips Leaves For Space Technology Lab



JOHN L. PHILLIPS

Attending a luncheon held in his honor today, John L. Phillips bid farewell to his many friends and associates at NOTS. John leaves his position as Head of the Missile Branch to take up duties in the Program Control Office of the Minuteman Missile Program at the Space Technology Laboratories in San Bernardino.

With a B.A. degree in Physics from the University of Southern California, John began his career as a Junior Research Engineer on missile design with Jet Propulsion Laboratory.

He came to NOTS in 1954 and has worked on many phases of missile development. Before becoming Branch Head in 1961, he was Senior Project Engineer on the Polaris Underwater Launching Program, for which he has received several commendations.

An outstanding member of the NOTS Speakers' Bureau, John has devoted many hours of his own time presenting evening programs of a technical nature to Naval Reserve and Civic groups.

From 1941-1946, he served with the U. S. Navy in the Philippines and China.

John and his wife, Roxana, and their two children presently reside in Monrovia.

Bids Farewell After 17 Years

Helen B. Hahn, Secretary to Head of the Range Branch, leaves NOTS this week after 17 years, during which time she has garnered an Outstanding Rating and a Sustained Superior Performance Award.

Helen returns to her hometown of Salt Lake City, Utah, where she has accepted a position with the Social Security Administration. A farewell luncheon was held in her honor Tuesday.

REASON FOR NAME

The extreme southern tip of the state of Illinois was dubbed Egypt because of the fertility of the soil and a geography similar to that near Cairo, Egypt.

WELL-TRAINED CANAL

The St. Mary's Falls Canal at Sault Ste. Marie, Mich., passes an annual tonnage comparable to those of the Suez and Panama Canals combined.

Long Beach

Ships To Host General Visiting

The following ships will host general visiting in the Long Beach Area during the month of September, 1963 from 1-4 p.m.: Sept. 7-8 — Destroyer USS S. N. MOORE (DD 747).

Sept. 14-15 Aircraft Carrier (ASW Support) USS Bennington (CVS 20).

Sept. 21-22 — Fleet Mine Sweeper USS Endurance (MSO 435).

Sept. 28-29 — None.



CUTTING THE FIRST PIECE OF CAKE, Mrs. L. O. Smith (r) is joined in the dual celebration by (l-r) Lt. L. O. Smith, Capt. G. H. Lowe, and Mrs. H. E. Brown. A replica of the USS Butternut and 22 candles adorn the cake. Cake was served after ceremonies.

USS BUTTERNUT Celebrates Fifteenth Change Of Command On Twenty-Second Anniversary

The USS Butternut (AN9), support ship of the Polaris Pop-up Program and other Naval Ordnance test projects, was host for two traditional naval ceremonies Saturday. Lt. Lee O. Smith, officially relieved Lt. H. E. Brown, of command of the Butternut.

In addition, the WWII net layer celebrated its 22nd anniversary which makes it the third oldest commissioned ship still on active duty in the Navy.

Both ceremonies were held on the forecastle with approximately 60 dependents and guests present.

Lt. Brown led the activities with a welcome aboard to Capt. G. H. Lowe, Officer in Charge, NOTS Pasadena, LCdr. O. F. Rapelyea, Fleet Liaison and Operations Officer, other NOTS officers, dependents and guests.

effectiveness and outstanding appearance of the ship and crew. Capt. Lowe commented on the effort and spoke highly of this "fine command."

The Skipper commended the crew for their outstanding job during the past two years and pride in being the Butternut's fourteenth commanding officer.

Mrs. Nadine R. Brown was presented with the Skipper's sword for the traditional cake-cutting ceremony and she in turn presented it to Mrs. Mary Louise Smith, the on-coming Commanding Officer's wife.

Both Lt. Smith and Lt. Brown read their official orders the latter being assigned to Harbor Defense Unit One in Long Beach. Last Duty in Egypt

Lt. Smith reports to the USS Butternut from the Office of the U.S. Naval Attaché, Cairo, Egypt. His naval career began in 1955, at the U.S. Naval Training Center, San Diego. In August 1956, he was commissioned Ensign at Officer Candidate School, Newport, Rhode Island.

Subsequent assignments have been aboard the USS Shea as Mining Officer, the USS Esteem as Operations Officer, and the USS Trathen as Navigator and Operations Officer.

After attending Naval Intelligence Postgraduate School from August 1960 to September 1961, Lt. Smith was assigned as the Assistant Naval Attaché in Cairo, Egypt.

Lt. Smith was born in Eugene, Oregon and is married to the former Mary Louise Jones of Roseville, California. They and their three children — Renee Louise, Lee Oran, and Michael Edward, will reside in Long Beach.

Lt. H. E. Brown leaves command of the Butternut after a tour of duty from August 1961 to present date. Lt. Brown had reported to the Butternut from the Naval Post Graduate Line School, Monterey, via duty as



LT. H. E. BROWN, outgoing Butternut skipper, welcomes visitors aboard, prefacing his farewell speech.

CO of the USS Teaberry.

Born in Hastings, Nebraska, Lt. Brown has served in the Navy for 18 years. During WWII he served aboard the USS Tullagi, an aircraft carrier in the Atlantic and Pacific areas.

He attended the University of Mississippi on the Navy's Five-term Program, graduating in June 1960 with a BAE degree in mathematics. He then attended the Post Graduate School in Monterey.

Lt. Brown, his wife, Nadine, and their daughter, Sandy, reside in Long Beach.

PROMOTIONAL OPPORTUNITIES

To apply for this position, contact Nancy Reardon, Pasadena Personnel Division, Extension 104. A current SF-58 must be submitted when applying.

Supervisory General Engineer, GS-13, PD: 0P80022, Code P8082

As Head, Missile Branch and Polaris project manager, is responsible for planning and supervision of assigned development and evaluation programs including the development of underwater weapons, weapons components, evaluation of ASW shipboard systems, and liaison with the Fleet, other Naval activities, and contractors.

Lt. H. E. Brown leaves command of the Butternut after a tour of duty from August 1961 to present date. Lt. Brown had reported to the Butternut from the Naval Post Graduate Line School, Monterey, via duty as



AUSTRALIAN REPORTER Alan Farrelly chats with Capt. Blenman during visit to NOTS. Farrelly is in the U. S. on an exchange program sponsored by the State Department and the Bakersfield Californian.

Australian Reporter Amazed by Yank Pace

Whence came the kangaroo down, sport, and keep me wallaby fed, Fred, came a visitor to China Lake this week.

And more than fairly complementary was Alan Farrelly, general reporter for the Newcastle, Australia, Morning Herald, Farrelly, the first press correspondent from his country to visit NOTS, is in the United States on an exchange program sponsored by the U. S. State Department and the Bakersfield Californian. He is spending two months as a staff member of the Californian.

"What amazes me most about you Yanks is the fastest pace you set for yourselves," observed the 23-year-old Aussie newsman who has an admirable sense of humor and doesn't mind being chided a bit about his accent and/or Australian "slang."

As a matter of fact, he brought this out pointedly in a recent article he wrote for the Bakersfield paper. Here's a list of some Australian expressions and their American counterparts:

Fair dinkum — no kidding
Cobber — friend.
A blue — a fight.
A drongo — a fool.
Tucker — food.
Plonk — wine.
Crook — anything bad.
Jackaroo — apprentice cowboy
Swagman — tramp.
She's bonzer — something really good.

Speaking of the "fast pace" he attributes to Americans, Farrelly has been maintaining a fast pace of his own. Since June he's been in Washington, Philadelphia, New York, Boston, Pittsburgh, Chicago, Knoxville, Atlanta, Cape Canaveral, New Orleans, El Paso, Los Angeles and Bakersfield.

"The hospitality I have received everywhere has been wonderful, but I think you folks here in California have been the most receptive," the quick-talking Farrelly told Capt. Blenman Jr., who welcomed him to NOTS. "Or perhaps it's because this terrain and climate make me feel more at home. It's much like this where I live."

But Farrelly shook his head a little as the subject switched to traffic.

"It's a bit of a rat race in New York City, isn't it?" But, you know what? It's even worse in Sydney!"

Despite the habits of motorists in Sydney, Farrelly emphasizes that generally throughout Australia the day-by-day attitude is easier going than in the U. S. A.

"As I said, you Yanks have a lot, but now I've seen that you work hard for what you have."

And that's fair dinkum from a cobber.

'Open Study' ..

(Continued from Page 2) will retain control of the water sources and storage to assure an adequate supply for the needs of the laboratory.

Oak Ridge distributes natural gas through its own system; at Richland, natural gas is furnished by a private company. The gas distribution system at Los Alamos offers some difficulty in separation of industrial and domestic use, and the problem is yet to be resolved.

Los Alamos To Vote
Richland and Oak Ridge have municipal electricity, sewage and trash disposal services. The question of whether Los Alamos should operate municipal services is to be submitted to the voters on a referendum.

The utility systems at both Oak Ridge and Richland were transferred to city ownership by the Federal government.

One public utility company has stated that a transfer of the residential areas in China Lake to individual metering would not affect the bulk rate for Station use to any great extent. The company also stated that it would consider the purchase of all or any portions of the present distribution system, and that it would then perform any work necessary to add to or adapt the system to its requirements.

The company noted that both system changes and installations of individual meters would be at company expense, with no charge to customers.

Letters requesting further information concerning this aspect of the Open Community Study should be addressed to the China Lake Community Council or the editor of the Rocketeer.

GEBA Assessment Number 74 Is Free

No assessment will be levied against members of the Government Employees Benefit Association and the China Lake Mutual Aid Society for the death of member LeRoy Shorten, 54.

An Engineering Department employee, Shorten died at American Falls, Idaho, on Aug. 31.

Navy Wives To Hold Meeting September 9

The Navy Wives Club will have their first meeting of the month on Monday evening Sept. 9 at 7:30 p.m. at their own pink hut at 83 Halsey Ave. This meeting was postponed a week because of Labor Day.

Cdr. Speciale Relieves Cdr. Sickel As NAF's New Project Officer

A Californian relieved a Pennsylvanian this week as the Naval Air Facility's Project Officer. San Jose-born Cdr. Joachim F. Speciale succeeded Philadelphia-born Cdr. John A. Sickel on Wednesday.

Cdr. Sickel has received orders to report to ComNavAirPac, North Island, San Diego, for three weeks indoctrination after which he will report to the aircraft carrier USS Constellation (CVA-64) for duty involving training or operational flights.

The new Project Officer reports from London, England, where he served as Assistant for Carrier and Special Weapons Operations on the Staff of the Commander-in-Chief of the U. S. Naval Forces Europe.

Before his London assignment he served as a Project Test Pilot at Kirtland Air Force Base, Albuquerque, N. M.

Cdr. Speciale entered the service in October 1942 via the V5 Aviation Cadet Program and received his wings at Corpus Christi, Tex., in April 1944.

The three-stripper pilot has attended San Jose State College, the University of California at Berkeley, as well as the General Line School at Monterey.

Cdr. Speciale and his wife, Betty, and their five children, Deborah, 16; John, 13; twins Susan and Kitty, 8, and Michael, 2 1/2, have been assigned quarters at 202 Shangrila Circle.



CDR. J. A. SICKEL



CDR. J. F. SPECIALE

Unitarians Begin Services Sunday



DR. PETER PINTO

Unitarian Sunday School classes and services will be resumed this Sunday at the Parish Hall, located at Blandy and Hussey, according to an announcement by Dr. Peter Pinto, Unitarian Fellowship president.

Sunday School classes will be conducted at 9:30 a.m. and services will be held at 7:30 p.m.

DeGaulle, French Policy Subjects Of Lecture Here

One of the leading scholars in the field of French and Russian politics, Dr. Nathan Leites, professor of political science at the University of Chicago, and consultant for Rand Corporation, speaks at 2 p.m. September 13, at NOTS Community Center.

Dr. Leites' subject, "DeGaulle's Personality and French Policy," is presented as an unclassified technical lecture, and includes such discussions as "What accounts for the special position which France has increasingly taken in this decade on major questions before the Western alliance?" and "What role does the personality of France's leader play in this?"

Born in St. Petersburg, Russia, in 1912, Dr. Leites, a naturalized American citizen, is currently engaged in a detailed analysis of Russian publications, speeches, and verbatim records of Communist Party congresses. His analysis, which has opened new techniques in the study of international politics, reveals any subtle changes in feelings and attitudes the Kremlin may have for the West.



SHIFTS 'N' SUN HATS, the theme of the WACOM Membership Coffee, is the attire worn by Marcia Smith (l) and Marilyn Evans. WACOM extends a most cordial invitation for

all eligible ladies to join in a pleasant and friendly afternoon on the lanai at the Commissioned Officers Mess. The event takes place on Tuesday, Sept. 10, from 3-5 p.m.



ESO PRESIDENT JACK SAYRE (third from left) calls to order an official meeting of the new council members (l-r)—Hal Wilhite, Foothill representative; Dorothy Solt, Secretary; Sayre; Bob Simeral, Vice President;

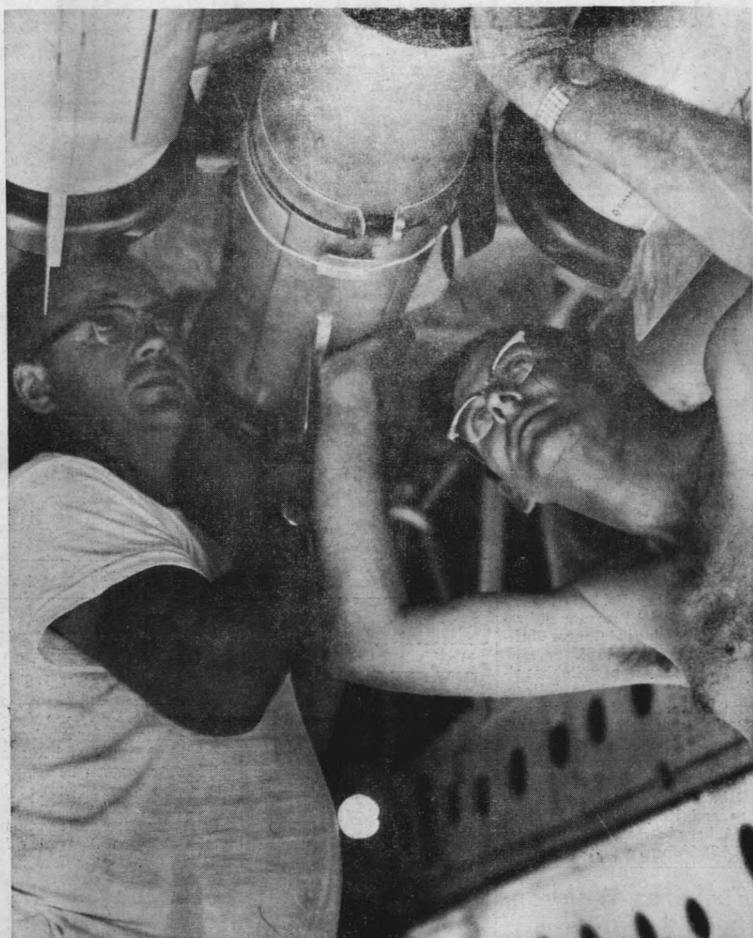
Harlan Murray, Treasurer; Sal Taibi, Foothill representative; and Bernie Pennino, Morris Dam representative. Not present for picture is Winslow Rainbolt, representative for NOTS Long Beach personnel.

Project 'STORMFURY' Team

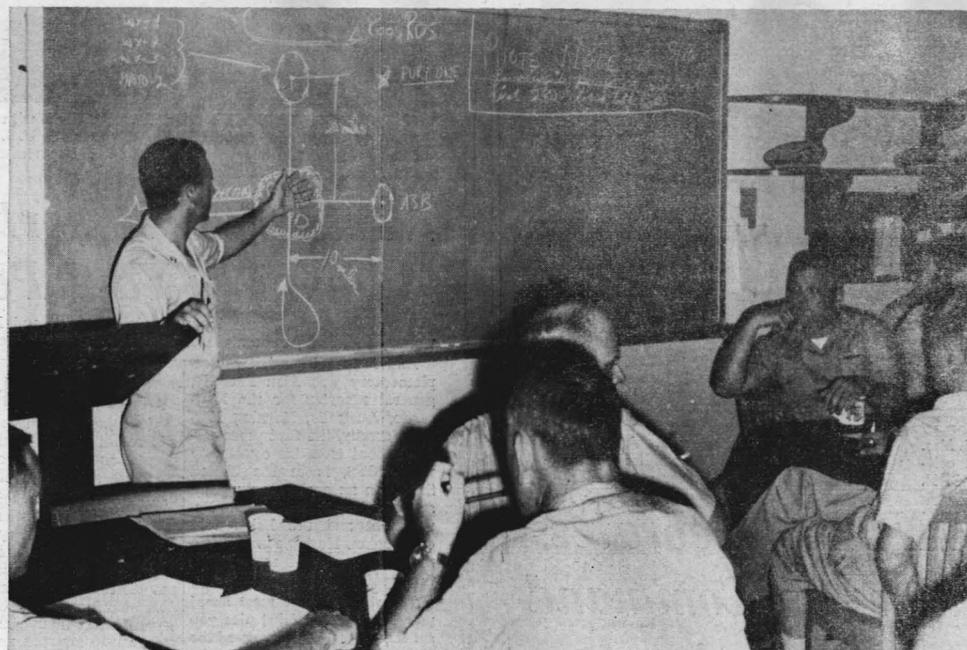
Last week The Rocketeer told of the unqualified success of "PROJECT STORMFURY" — the seeding of eight storm clouds and Hurricane Beulah with NOTS-designed and developed

CYCLOPS II and ALECTO silver iodide dispensers. The project was carried out during the week of Aug. 18, south and east of Puerto Rico. This week we present a picture-story of

some of the members of the project team, the civilian and military personnel dedicated to quelling violent storms before they become destructive and deadly.



CYCLOPS IIs are loaded into bomb bay of A3-B aircraft by R. C. Noles of NOTS Engineering Department and William Burson of Dr. Pierre St. Amand's staff.

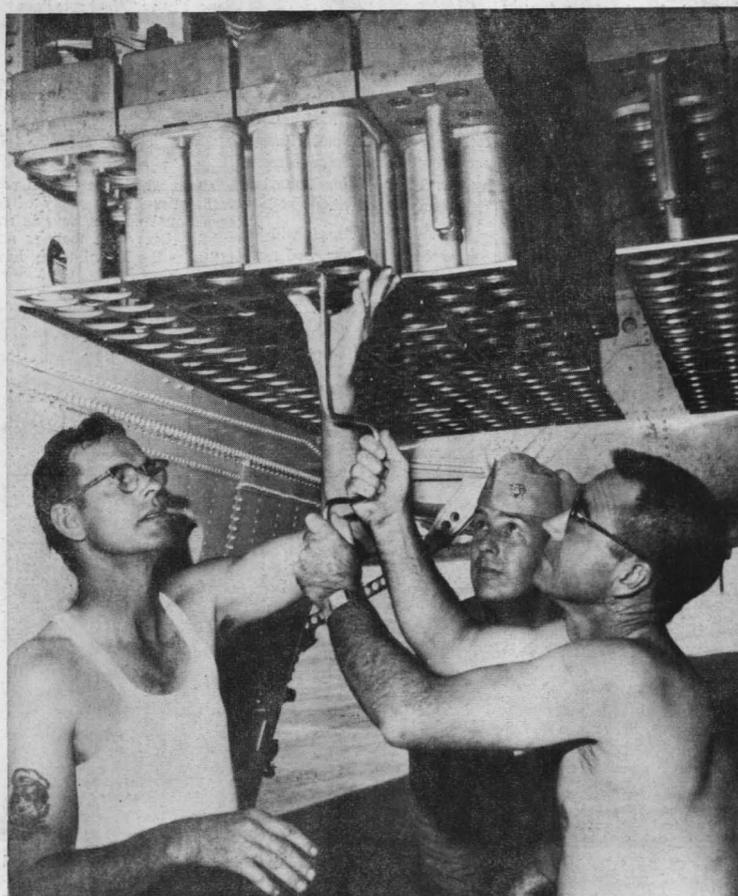


POSITIONING AND COORDINATING of aircraft in and around the storm clouds and Hurricane Beulah were determined at briefings like this at Roosevelt Roads. Seedings of Beulah were conducted on Friday and Saturday, Aug. 23-24.

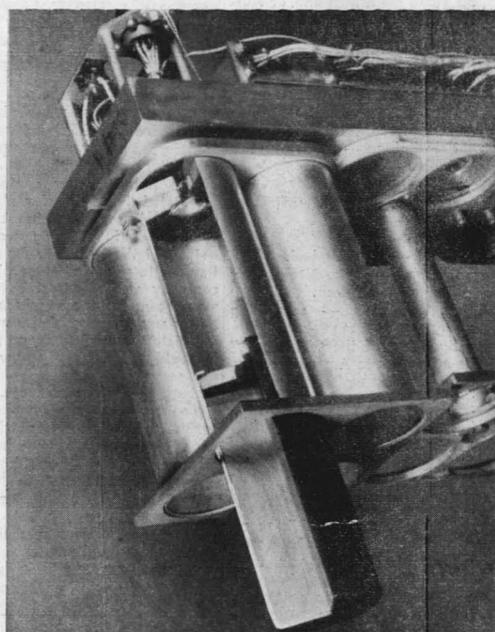


MAURICE HAMM (left) of NOTS Aviation Ordnance Dept. is followed down plane ramp at Roosevelt Roads by Dr. Joanne Malkus, Professor of Meteorology, Dept. of Atmospheric Sciences, UCLA, and also a member of the STORMFURY advisory panel; and Dr.

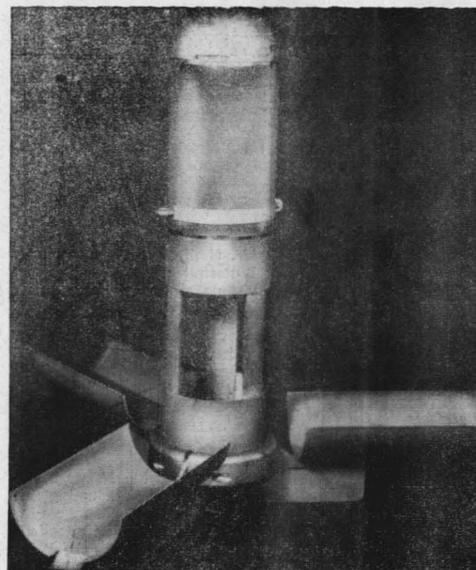
Robert Simpson, Head of the National Hurricane Research Project of the U. S. Weather Bureau and Director of PROJECT STORMFURY. Others in picture are personnel of Airborne Early Warning Squadron 4, Roosevelt Roads.



ALECTOs ARE installed in the A3-B bomb bay by Burson (left) and Jack DePew of NOTS Aviation Ordnance Dept. Watching is Lt. (jg) Blunden of VAH-11.



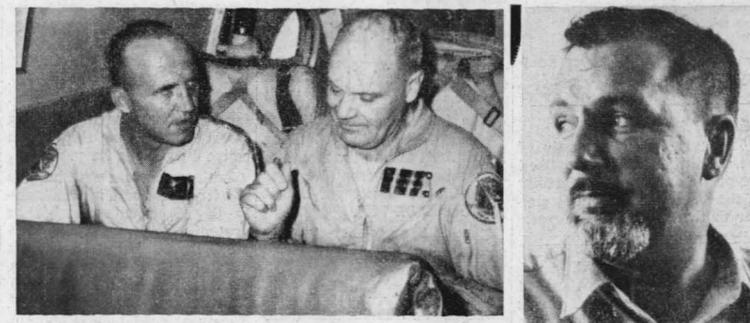
ALECTO CUTAWAY in the B-4 Photoflash Launcher, showing rocket motor being dispensed. A full load of 320 ALECTOs is capable of dispensing 1600 pounds of silver iodide smoke in as little as 30 seconds.



CYCLOPS II with high-drag fins open. Fins remain at right angles to body of cannister throughout the drop. This retards its descent so that maximum concentration of silver iodide smoke is dispensed in super-cooled portion of cloud.

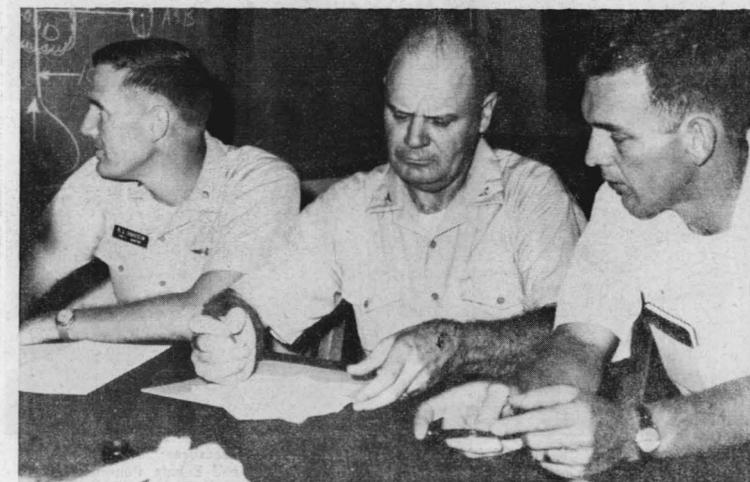


CREDIT for keeping the A3-B aircraft in top condition for the project goes to these ground crewmen of Heavy Attack Squadron 11, based at Sanford, Fla.



CDR. S. R. OVERALL, USN, Commanding Officer of Airborne Early Warning Squadron 4, based at Roosevelt Roads, and Capt. M. A. Eaton, USN, Officer-in-Charge, Fleet Weather Facility, Miami, Fla., discuss seeding operations aboard reconnaissance plane. Capt. Eaton is Assistant Director of PROJECT STORMFURY.

DR. PIERRE ST. AMAND, Head of NOTS Earth and Planetary Sciences Division of the Research Dept., led the China Lake team in the project.



CHECKING NOTES at the briefing prior to takeoff for seeding "Beulah" are (l-r) LCdr. R. S. Davidson, USN, pilot of the second

A3-B of VAH-11 in the project; Capt. M. A. Eaton, USN, and J. Donnan, Weather Modification coordinator for NOTS.