

SHOWBOAT

Fri. March 13

"THE SWORD IN THE STONE" (79 Min.)
Disney Feature Cartoon
6 and 8:15 p.m.

(Adventure Cartoon in Color) The boyhood of King Arthur comes to colorful life as Merlin, the Magician, shows him the secrets of sorcery to help him gain the throne. Superb fantasy. (Family)

SHORT: "Yellowstone Cubs" (48 Min.)

Sat. March 14

DESERT COMMUNITY ORCHESTRA

Presents
Children's Concert
10 a.m.—MATINEE—
"QUEEN OF PIRATES" (80 Min.)
Gianna Canele1 p.m.
SHORT: "Happy Tots" (7 Min.)
"Capt. Video No. 8" (16 Min.)—EVENING—
"BAD DAY AT BLACK ROCK" (81 Min.)
Spencer Tracy, Robert Ryan7 p.m.
(Drama in Color) A stranger arrives in a small desert town filled with hostility and secrecy enforced by its leading rancher. Suspenseful and taut from start to finish. Also with Walter Brennan, Lee Marvin and Ernest Borgnine. (Adults and Mature Youth)SHORT: "First Aiders" (7 Min.)
"Anglo-American Cor Rally" (20 Min.)

Sun. March 15

"CHILDREN OF THE DAMNED" (91 Min.)
Ian Hendry, Alan Badel7 p.m.
(Drama) A fascinating science-fiction thriller tells of six super intellect children, capable of telepathy, who refuse to be separated by UNESCO or the military due to diabolical powers. (Adults and Mature Youth)SHORT: "Much About Racing" (7 Min.)
"Quarterback" (10 Min.)

Mon. March 16

"WORLD AROUND US SERIES"
"The Legendary Mediterranean"
Travelogue, narrated in person by Gene Wiancko7:30 p.m.
He tells of the legends, beauty, gypsies, artists, dancers, millionaires and peasants. The itinerary sets forth from springtime in Sicily, Sardinia and Corsica; the Amalfi Drive, Monaco, Nice and Cannes; Spain's Costa Brava and Barcelona; Majorca, a Flamenco festival, and world famous fairs at Andalusia and Seville.

Tickets may be obtained from Community Council directors or at the theatre door. Prices are \$1.25 for adults and 75 cents for students.

THURSDAY-FRIDAY MARCH 19-20

"THE CRIMSON BLADE" (82 Min.)
Lionel Jeffries, June Thorburn7 p.m.
(Adventure in Color) A colorful swash-buckler telling of a rebellion against the Royalists by groups of Puritans under Oliver Cromwell's leadership. Action by sword, pistol and spiked ball. (Adults and Mature Youth)SHORT: "Today's Teens" (10 Min.)
"Nsh "N" (18 Min.)

Tues.-Wed. March 17-18

"WHO'S BEEN SLEEPING IN MY BED" (103 Min.)
Dean Martin, Elizabeth Montgomery7 p.m.
(Comedy in Color) Beware of the handsome TV series "Doctor" who leaves the weekly poker game early for a "private consultation" with one of the player's wives. Snappy dialogue and gag after gag! (Adult)

SHORT: "Big Bad Sinbad" (7 Min.)

Average cash award for work-improvement suggestions in 1963 was \$42, up from \$40 the year before.

PLAY TOMORROW NIGHT — Doye O'Dell and his Western Band will play for the 'Erin-Go-Bragh' Ball at the Acey-Deucey Club tomorrow night starting at 9 p.m. Irish stew

will be served from 6 to 9 p.m. This is the Club's last social event for two weeks as it closes Monday for a complete remodeling, states manager Bruce Alexander.

Girl Scouts in Anniversary 'Play Day'



GIRL SCOUTS 'PLAY DAY' — a fun-filled event helping mark the organization's 52nd anniversary—was enjoyed by scores of Scouts and Brownies last Saturday at Kelly Field.

Various group games and singing highlighted the day's activities which had to adjourn for a time to the gymnasium when cold and windy weather became too threatening.

'Mediterranean' Next in 'World Around Us' Series

"The Legendary Mediterranean" in color motion pictures will be presented at the Station Theatre, next Monday, March 16, in the China Lake Community Council-sponsored "The World Around Us" series. The show starts at 7:30 p.m.

Gene Wiancko, explorer noted mostly for his documentaries of dangerous areas along the Iron Curtain, will narrate the program, a fascinating story of the world's most famous sea.

He tells of the legends, beauty, gypsies, artists, dancers, millionaires and peasants. The itinerary sets forth from springtime in Sicily, Sardinia and Corsica; the Amalfi Drive, Monaco, Nice and Cannes; Spain's Costa Brava and Barcelona; Majorca, a Flamenco festival, and world famous fairs at Andalusia and Seville.

Tickets may be obtained from Community Council directors or at the theatre door. Prices are \$1.25 for adults and 75 cents for students.

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Desert Community Orchestra To Present Spring Concerts

A long weekend of beautiful music is in the offing for residents of Indian Wells Valley as the Desert Community Orchestra presents its annual spring concert tomorrow morning, Sunday evening and Monday evening.

The orchestra comprised largely of musicians from China Lake and Ridgecrest, will be conducted by Albert E. Warren, Vocal Music Coordinator of the Trona Joint Unified School District.

The Saturday concert, for children of the area, will be presented at the Station Theatre beginning at 10 a.m.

Sunday's performance will be given at 8 p.m. in Trona High School Auditorium, and Monday's concert is scheduled for 8 p.m. at Monroe School in Ridgecrest.

Mrs. Bea Moore of China Lake

Wildflower Show

The 20th Annual Wildflower Show at the Community Center is scheduled for Saturday and Sunday, May 2 and 3.

will premiere three songs composed by David Woodcock of Whittier, and arranged for voice, string orchestra and flute by Mr. Warren. Pianist Jay Witcher of China Lake hopes to have his new harpsichord completed for accompaniment of "Three Seventeenth Century Dutch Tunes."

Another feature will be Warren's composition, "Desert Moon," for string orchestra and solo flute, to be played by Mrs. Cheryl Anthes of China Lake.

Other selections of the program will be "The Overture to the Marriage of Figaro" by Mozart, the Second Movement of the Symphony in D Minor by Cesar Franck, and "Mississippi Suite" by Ferde Grofe.

Answer to Previous Puzzle

CROSSWORD PUZZLE

ACROSS

- 100,000 rupees
- Genus
- Fast
- Girl's name
- Laughing
- Collection of facts
- Kind of cloth
- Welder
- Female deer
- Replies
- Form
- Earth goddess
- Appears
- Reverence
- Distance measure
- Part of violin
- Preposition
- Cords
- Symbol for tantalum
- Mother of Apollo
- Croup (colloq.)
- Was mistaken
- Brother of Odin
- Spheroid
- Rust away to be married
- Outfit
- Back down
- Stretcher
- Anglo-Saxon money
- Artist's stand
- Man's name
- Worm
- Take unlawfully
- Obstruct

DOWN

- Part of face
- Fuss
- Taper
- Algonquian Indian
- Falsehood
- Cooled lava
- Link
- Walks
- Prison keeper
- Number
- Prohibit
- Daisy
- Sand bars
- Assuage
- A state
- Proprietor
- Female
- One's
- Break down
- Mountain (abbr.)
- Heraldry
- Grafted
- Gravestone
- Proceed
- Places for combat
- Stroked
- Venetian
- Magistrates
- Tiny amount
- Fuel
- Fish eggs
- Bitter yetch
- Meadow
- Guido's high note
- Edge
- Compass point

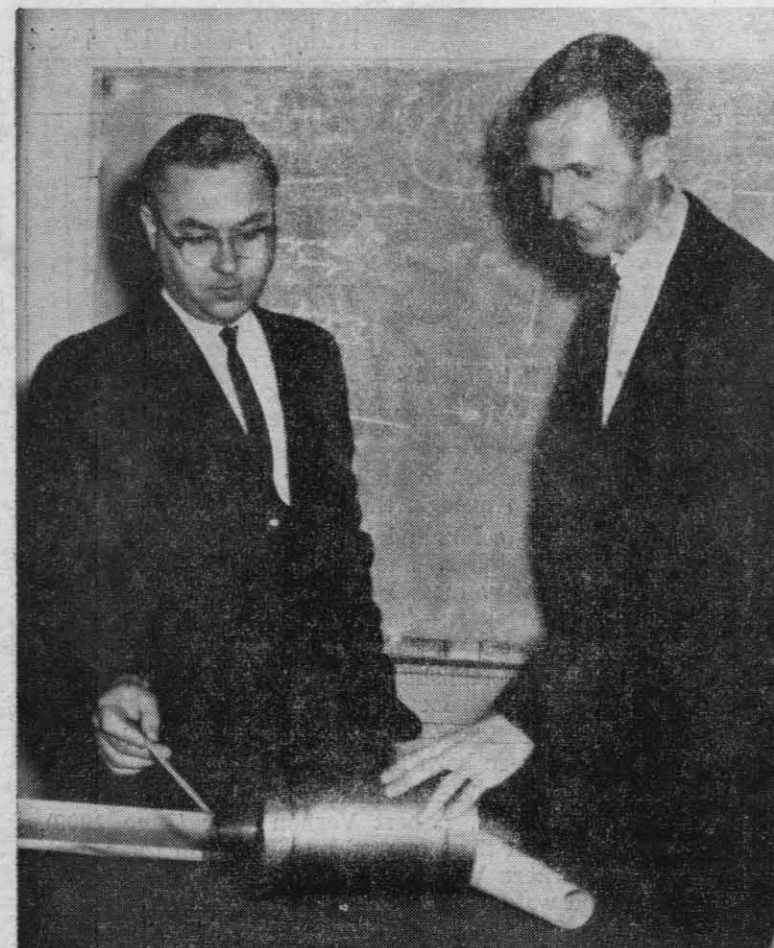
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From _____

TO _____

PLACE STAMP HERE



COMMENDED BY NASA — Propulsion Department's Ray Miller and John Carroz inspect rocket motor that won them plaudits from Paul F. Bickle, NASA director at Edwards AFB.

New Rules For Cashing Checks At Commissary

A new policy governing acceptance and cashing checks at the Commissary Store was announced this week by Lieutenant J. F. LeBlanc.

The only checks accepted by Commissary Store cashiers after Mar. 21, will be patron's personal checks in the exact amount of the purchase, he said.

Other negotiable instruments, such as U.S. Government pay and allotment checks, will no longer be accepted or cashed under the new ruling.

The new policy is pursuant to recent instructions from the Navy Ship Store Office and was issued to "better conserve on the existing critical staffing deficiencies" which affects all Navy Commissary stores, according to Lt. LeBlanc.

Re-Install Channel 13 Equipment, Now Undergoing Tests

Overhauled Channel 13 equipment has been re-installed in the microwave system on B Mountain and is now undergoing tests to improve television reception in the China Lake area.

If the tests prove successful, Channel 11 equipment will next be taken out and overhauled by the manufacturer in San Diego.

Station Theatre Admission Price Increased to 15¢

Station Theater movie admission prices will be increased to 15 cents in accordance with authorization issued by the Commandant, Eleventh Naval District. The new admission charge becomes effective Monday, March 16.

A review of operating costs for Station theatres in the 11th Naval District, conducted over the past six months, indicated a sustained loss, it was reported.

Change Office Hours At Vehicle Control Br. For Better Service

Police Chief Val A. Cummins announced this week that new office hours are now being observed at the Vehicle Control Branch, Code 8435, Bldg. 987 at the Main Gate.

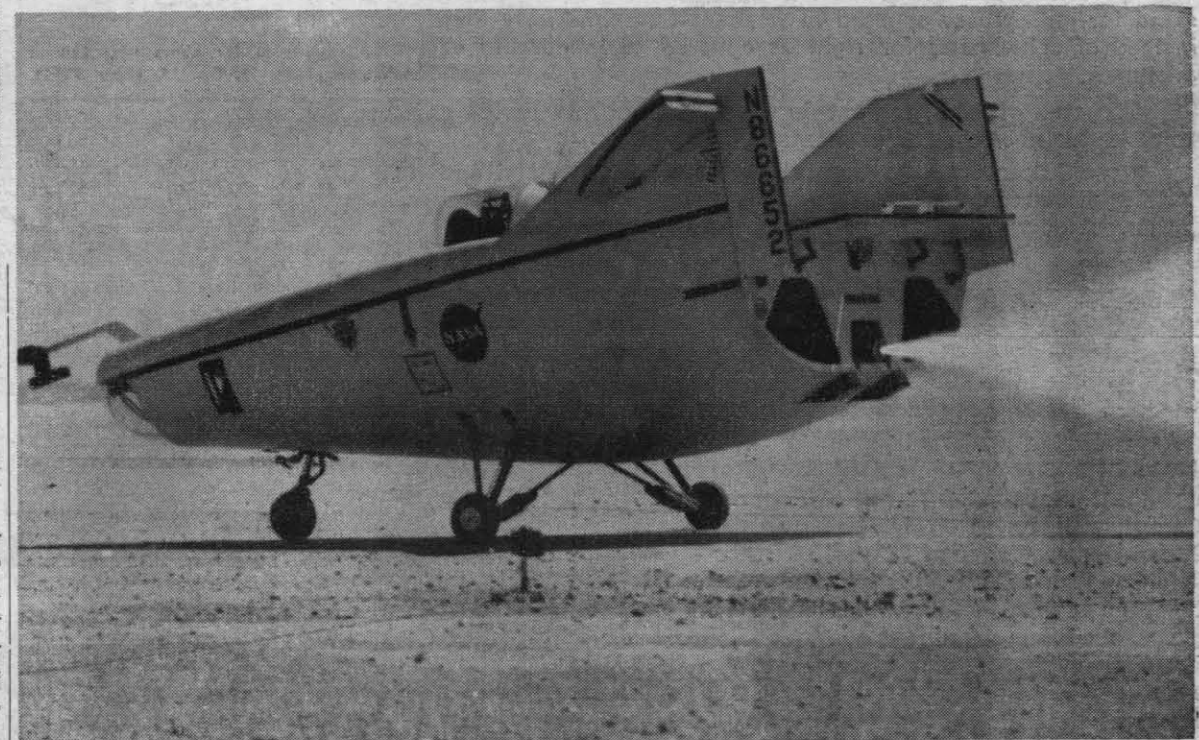
The Branch is now open from 0730 to 1230, closed from 1230 to 1330, and open again from 1330 to 1630.

The "late" lunch hour for the staff makes it possible for them to provide service to motorists during regular lunch hour, 1130-1230.



Vol. XIX, No. 10 Naval Ordnance Test Station, China Lake, California Fri., Mar. 13, 1964

NASA Praises Two NOTS Men For M-2 Rocket



NOTS-DEVELOPED TAIL ROCKET INCREASES GLIDE RATIO OF NASA'S M-2 CRAFT.

A NOTS-developed rocket is credited with enabling the pilot of NASA's M-2 flight vehicle to land his craft safely at Edwards Air Force Base recently.

Approaching the landing strip in a flare-out maneuver, the pilot fired the NOTS rocket in the tail of his craft to give him added thrust to land without injury to himself or damage to the craft.

The 22-foot long and 13-foot wide M-2 is one of several shapes being developed by NASA that could be used to ferry astronauts back to earth with the ease and maneuverability of an airplane.

It is a wingless, motorless, craft that gets its aerodynamic stability from its tub-shaped fuselage. Its only power is the NOTS tail rocket which is fired to increase its glide ratio.

The pilot must use split-second timing in a flare-out to land

the small craft. The NOTS rocket gives the pilot twice as much time for this maneuver.

Code 45 Men Develop
The men responsible for this safety factor are two chemical engineers Ray Miller and John Carroz of the Development Engineering Branch, Propulsion Development Department, who adapted the NOTS 5-inch EVA rocket for use on the M-2 craft.

Miller, who heads the Branch, is a graduate of Purdue University, Class of '57, and has been at NOTS seven years. Carroz attended Fresno State for three years and received his degree from the University of California at Berkeley. He came to NOTS in '61.

At the inception of the M-2, NASA made a survey of off-the-shelf small rockets, but most were not immediately available or were priced out of range.

Bernard Has Idea
"Chuck" Bernard, who then headed the Propulsion Systems Division, learned of NASA's need and thought that the NOTS 5-inch EVA rocket, which had been fired here over 350 times without a failure, could be adapted to NASA's use.

The project was assigned to the Development Engineering Branch with 25-year-old John Carroz as project manager.

The youthful engineer turned to with alacrity and modified the original heavyweight 5-inch rocket to a lightweight motor, 22 pounds lighter in weight with 180 pounds of thrust for 10 seconds.

The decision was made to develop the rocket for NASA in May and it was ready for the first flight in August.

NASA Commends Men
Carroz and Branch Head Ray Miller (Continued on Page 3)



WEST GERMAN ARMY CHIEF OF STAFF, Lt. Gen. Alfred Zerbelt (second from right, front) was among distinguished military and civilian guests who witnessed a test firing of a REDEYE missile here Tuesday. Flanking the general are Asst. Secretary of the Navy (R & D) J. H. Wakelin and Dr. B. O. Seraphin (right), Head of Semiconductor Physics Branch,

NOTS Research Dept., who acted as interpreter. Others (l-r, front) are RADM. L. D. Coates, USN, Chief of Naval Research; Brig. Gen. W. B. Kyle, USMC, Dept. Chief of Staff (R & D), Marine Corps; Maj. Gen. R. E. Haines, personal representative of Chief of Staff, U. S. Army, and Capt. Charles Blenman Jr., USN, NOTS Commanding Officer.



GEN. ZERBEL aims the bazooka-type REDEYE missile launcher himself to get the feel of its maneuverability.

CHAPLAIN'S MESSAGE

Losing Respect?

By CHAPLAIN MARK E. FITE



A very thought-provoking article in the March 2 issue of U. S. News and World Report calls attention to the status of America among the nations of the world. Certainly one cannot help but admire the boldness of the writer for pointing out some things that are very close to us. Some are to our shame for failures as a government. The writer implied that rather than stand firm for principles, we have compromised with the inevitable results of weakening our nation's integrity.

The point is made that losing respect in the world is worse than losing affection.

Where shall we begin if we realize these things are true and would do something to rectify the situation? It must begin on a personal basis. Men must be men of integrity who will stand for strength as opposed to weakness; for brotherly love instead of selfishness; for right as opposed to immorality of all types.

The crux of it all is; what do we want and are we willing to make the necessary adjustments to have it?

Some 20 centuries ago one called to the people of his time saying, "How can you say to your brother, Let me take the speck out of your eye, when all the time there is a plank in your own. You hypocrite! first take the plank out of your own then you will see clearly to take the speck out of your brother's eye!" (Matthew 7:4-5).

Choir to Present Handel's Messiah

A pre-Easter performance of the greater parts of the second and third sections of Handel's Messiah will be given by the Desert Division Choir of Bakersfield College next Friday, March 20, at 8 p.m. in All Faith Chapel.

The choir will be under the direction of Mrs. William (Bea) Moore. The accompanist will be Mrs. Ed (Mirth) Hammerberg.

All residents of Indian Wells Valley are invited to attend this memorable musical event. There is no charge for the concert.

Soloists of the evening will be Donna Rinehart, Eileen Tims,

Lois Jackson, Dorothy Vallenave, Warren Kirk, James Choate, Robert Thacker and Charles Wiley.

Other members of the choir are, **Sopranos:** Karen Gambill, Martha Kovalenko, Joan Leipnik, Judith Lind; **Altos:** Cheryl Anthes, Gail Bishop, Lois Carr, Joan Fowler, Florence Green, Muriel Tettmar; **Tenors:** Charles Ringrose, Mitchell Tims and guest performers — Sam Hohn, and Dr. Perry Stone. **Basses:** Edward Bernard, Richard Breitenstein, Robert Faulk, James Schult, Lucious Smith, and Robert Thornton.

February Housing Assignments

Type	Priority Level Reached	Hiral Date Of Employee Assigned
Panamint (3)	CB	8/1/60
Juniper (3)	CD	1/30/51
Panamint (4)	CB	3/18/59
Old Duplex (2) (LBP)	CF	9/8/52
Old Duplex (2)	CG	2/4/63
Wherry (4)	MH	2/15/56
Wherry (3)	MH	11/16/63
Wherry (2)	CK	11/17/59
Motel (0)	CB	2/16/64
Apartment (0)	CH	7/16/52
Normac (1)	CJ	2/5/45
Hawthorne	CK	10/22/62
Motel (1)	CB	8/17/53
Normac (2)	MI	5/16/63
Hawthorne (2)	CI	4/8/63
Apartment (2)	CJ	4/23/62
Letourneau (2)	MI	4/8/63
Hawthorne (3)	MI	11/16/62



DIVINE SERVICES

Christian Science (Chapel Annex)
Morning Service—11 a.m.
Sunday School—11 a.m.

Protestants (All Faith Chapel)
Morning Worship—8:30 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 5:30 p.m. Sunday.

6 a.m. Monday through Friday, 8:30 a.m. Saturday.

Confessions—8 to 8:25 a.m., 6 to 8:30 p.m. Sunday, Thursday before First Friday—4 to 5:30 p.m.

NOTS Hebrew Services (East Wing All Faith Chapel)
(Feb.) First and fourth Friday, 8:15 p.m., (March) Second and fourth Friday, 8:15 p.m.
Sabbath School every Saturday morning.

Unitarian Fellowship (Parish Hall)
Fellowship Meeting—Sundays, 7:30 p.m.
Sunday School—9:30 a.m.

The Rocketeer

Official Weekly Publication of the
U. S. Naval Ordnance Test Station
China Lake, California

Captain Charles Blumman, Jr., USN
Station Commander

"J. J." Bibby
Public Information Officer

Jack G. Broward
Editorial Advisor

Richard Grunenberg
Editor

Budd Gott
Associate Editor

Frederick L. Richards
Special Assignments

DEADLINES

News Stories—Tues., 4:30 p.m.
Photographs—Tues., 11:30 a.m.

The Rocketeer receives Armed Forces Press service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NAVEXOS P-35, Revised July 1950. Office 50 King St., Bldg. 00929. Phone—71554, 71655, 72082.

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. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Mechanical Engineer, GS-9 or GS-11, PD 355093, Code 5516— Structural test specialist acting as advisor in design and development of weapon structures. Applicant must have minimum of three years professional engineering experience plus experience in strain gauge application and load data analysis. File applications for above with Dora Childers, Bldg. 34, Rm. 32, Phone 71393, 72032.

Secretary (DMT), GS-318-5, Code "453"— Serves as a personal assistant to the Head, Quality Assurance Division, by performing a variety of clerical and administrative duties which are auxiliary to the work of the supervisor. Requires two and one half years of general stenographic and one half year specialized secretarial experience above trainee level serving as principle personnel office assistant to supervisor.

File application for above with Louana Schneider, Bldg. 34, Rm. 26, Phone 71648. Physicist or Mechanical Engineer, GS-13 or GS-14, Code 4044—As Head, Servo-Control Branch, is responsible for initiating and implementing programs in applied research, exploratory and advanced development of electrical, pneumatic and hydraulic servo-mechanisms and control systems for guided weapons systems.

Applicants must have had three years' specialized experience including at least one year comparable to the next lower grade. Bachelor's degree in either: Mechanical Engineering or Physics is required; a Master's degree is preferred.

File applications with Pat Dettling, Room 26, Building 34, Phone Ext. 72676. Deadline for filing is March 20.

NAVY OVERSEAS VACANCIES
Supervisory Fiscal Accounting Asst. GS-501-9. Supply Department, U.S. Naval Air Facility, Sigonella, Sicily, Italy. Deadline March 30.

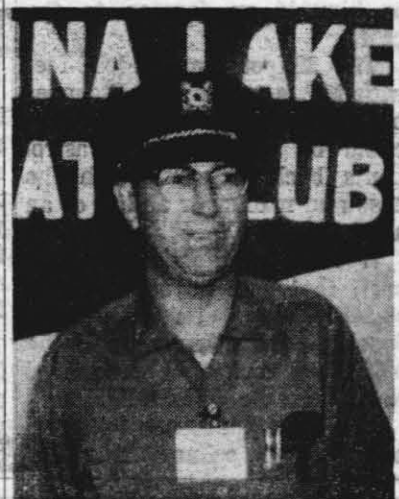
Asst. Personnel Officer, GS-201-12, U.S. Naval Support Activity, Naples, Italy. Deadline March 21.

File applications for above with Navy Overseas Employment Office (Atlantic), Hdqtrs., Potomac River Naval Command, Washington, D. C. 20390.

Construction Representative, GS-11, Subic Bay, Philippines; Electrician (Power Plant), Guam; Welding Engineers, Guam (GS-9 level), Hawaii, (GS-5 level). Deadline April 3.

Cable Splicer, High Voltage, Guam. Deadline May 1.

File applications for above with Navy Overseas Employment Office (Pacific), Federal Office Bldg., San Francisco, Calif. 94102.



ARTHUR 'ART' NEW is the newly elected Commodore of the China Lake Boat Club. Other new officers are: LaVerne Schaller, vice commodore; Jackie Creasy, secretary; Tommy Hilborn, program chairman; Blanche Adams, treasurer, and Tommy Creasy, membership.

Passover Seder

The Annual NOTS Hebrew Temple Community Passover Seder will be observed on Friday, March 27, at 6:30 p.m. in the East Wing of All Faith Chapel.

Enlisted men of Jewish faith will be welcomed as guests of the community. For reservations, please call the Chaplain's Office—72247 or 71506—not later than Sunday, March 15.

'DESERT PHILOSOPHER'

Vernon and Anabel Carr

By "POP" LOFINCK



The senior citizens of Indian Wells Valley are a very charming couple.

They have been married to each other for nearly 56 years, since April, 1908. Have lived in this area for 54 years.

I refer, of course, to Mr. and Mrs. Vernon Carr. He will be 79 in October. She will be 82 in June.

In October 1909 they moved onto their homestead seven miles northeast of Inyokern—have lived in this same area ever since.

When NOTS was established they moved 3 miles southwest to their present ranch location.

They have seven children—the first was born in Glendale, Calif. The other six were born in their ranch house.

FIRST SON, FIRST WELL, FIRST 'POST OFFICE'

When their first-born, Robert Vernon Carr (June 1909), was four months old all three moved out to live in their portable ranch house, where Vernon dug a well 25 feet deep and had plenty of good water. Their first Post Office address was Siding 18 Mojave Orizoro Railroad via Mojave. Mail was delivered at what later was named Brown, which then was an aqueduct camp for the teamsters who handled the supplies from the railroad to the aqueduct.

Their first-born, Robert, was killed when he was 18, in a construction accident in 1927.

Their second child, Clarence Victor Carr, was born August 31, 1910. He finished his 10th grade in Valley High School in Bakersfield.

He married a pioneer girl born in Kennedy Meadows in 1919. They were married in 1936.

He is now 54. Has lived and worked for 28 years in Trona. Except for 3 years in Arizona.

Both Clarence and his wife have lived their whole life in this area.

Donald Carroll Carr, their third child, born Dec. 24, 1911, is the only "wanderer" in this family. He now lives in Portland, Ore.

John Lyman Carr, born April 27, 1913, works in Michelson Lab here. He was gone four years learning his machinist trade. But he came back to this desert.

His wife's father worked on the aqueduct—so she, too, is of this area.

Their fifth child, their first daughter, Hazel Grace Carr, born October 3, 1917—married Tom Bramlette; lived at Little Lake until spring of 1962. Then they moved to Lone Pine.

Their sixth child was a daughter, Helen Mary Carr—born August 9, 1921.

She married a Trona man—William Cook. He died in 1950. She re-married another Trona man, Orville Moore—who came to Trona from Oklahoma when quite young. They still live in Trona.

The Carr's seventh child, Ramona Allen Carr, born September 19, 1922, took sick in 1934 and died at the age of 12 years and 2 months.

LOTS OF CHRISTMAS CARDS TO WRITE

Mr. and Mrs. Vernon Carr have 16 grandchildren and 10 great grandchildren—all living on this desert area.

What a chore Christmas cards must be!

An interesting thing about Vernon and Anabel is that they were both sent to California when they were youngsters by their doctors because of ill health.

He was born in Hawley, Minnesota, October 22, 1885. Went to live with an aunt in Pasadena in 1900, to regain his health.

He went to school in Pasadena to the eighth grade but had to quit school because of his illness.

He then moved to Glendale to raise bees.

He lived for a while in Long Beach, but the moist air was too much for him—so back to Glendale—to Sycamore Canyon and bees.

Mrs. Carr's maiden name was Anabel Gaffney—born in Harvard, Ill., June 21, 1882. Went to live on a farm in Iowa when she was eight years old, until she was 22. Then she took up a homestead in North Dakota—and taught school at the same time, keeping up the homestead in a 10' x 12' cabin.

ANABEL MEETS HER 'HONEY MAN'

The winter of 1905 and 1906 was very rough—deep snow—she got an abscess on her lung—so her doctor ordered her to California.

So she came west in April 1907—went to live with a cousin in Sycamore Canyon in Glendale near where Vernon was working on a bee farm. That's where they met and got acquainted—He was her "honey man."

They were married in April, 1908.

They both knew what they wanted—i.e.: health—to live on a farm close to nature and raise a family.

They have accomplished all three objectives admirably. And at 79 and 82 years of age are healthy and happy with many, many friends.

I asked Anabel if she had ever been discouraged?

She said that in the first few years on the homestead she would sometimes feel depressed and would think "we can't stay here—we've got to get out." And then she would look out the kitchen window that faced towards the beautiful Sierras and would think how wonderful to be here and enjoy the beauty of God's creation.

These pioneers are very special—like a special breed. They have always been in the vanguard of civilization.

A salute to Mr. and Mrs. Vernon L. Carr.

RIM SHOTS

By BILL VALENTEEN



Little League and other Youth Baseball programs on the station again are in the process of raising their heads. Jim McGlothlin is the new Little League prexy. He replaces Bob Freedman who has done so much to further the Boys' summer horsehide activity.

I was gratified to hear that this year, the boys are contributing a little more to their own recreation. Five and a half bucks a boy, however, won't begin to cover the expense involved.

Up till now, the entire program has been subsidized by contributions made by the various departments, and other appropriations thrown in by Special Services.

I was amazed at the amount of money that it takes to run a program such as we have at the Naval Ordnance Test Station. If, as in the case in most communities, the managers and coaches were paid for their efforts, the program would run to a figure that would be considerably more.

When you stop to consider the cost of just the bats and the balls, you start running into the thousands of dollars. Then there's the umpire fees, uniforms, cost of maintaining the fields, etc.

In the past years, the costs have been greatly offset by the concession stands, Special Services appropriations, and as I mentioned before, contributions. But the costs are becoming so prohibitive that it is necessary to get income from other sources just to keep up with the needs of the present program, let alone the thought of expanding it.

SPRING IS IN THE AIR

Les Harmon took his horse "Nugget" down to the Indio Date Festival last month to compete for honors in the horse show competition. He won some money in the money class, but in the "Gentlemen to Ride" and "Show" categories he ran into a little trouble. It seems "Nugget" took a shine to a romantic mare in the next stall, and they couldn't get him to cooperate very much. It's little breaks like that one that make life interesting.

KUDOS FOR BURROS ATHLETES

Congratulations are in order for a couple of Burros athletes. John Sienukos of the basketball squad was voted to the All-League team. John has played outstandingly for the locals throughout the season. Also, a couple of weeks ago, Ed Creech traveled with the Burros baseball team down to Desert High on Edwards Air Force Base, and pitched his team to a 4-0 shutout victory. Not only that, I understand he struck out 23 batters! It's certainly worth mentioning again.

VOLLEYBALL, PING-PONG, BADMINTON

Chuck Mangold, Station Recreational Director, has twelve teams vying for the Intramural Volleyball crown this year. The netmen go every Monday and Thursday night at the local gym. He's also got a Ping-Pong tournament and a Badminton tournament set up. You should be hearing about these in the near future, if you haven't already.

TIME TO 'LOOSEN UP' FOR SOFTBALL

Station Softball will begin May 1. Some of you guys ought to be loosening up for this, if you expect to play. Also, you managers should be thinking seriously of getting your teams together.

Heard at Dodger Stadium, when Ed Roebuck walked in the winning run: "I've seen better arms on Venus De Milo!"

Keep smilin', Sport! See you next week!



CHINA LAKE BOWMEN who won trophies at the Tulare Limberlimb shoot are (l-r, front) Marge Bryant, Sheila Stedman, Randy Stedman, Marge Lyon; (rear) Ken Bryant and Bob Stedman. Group competes in Bakersfield on April 5.



BOWLING TROPHIES and citations, awarded at the Parent-Child Tournament last weekend at Ridgecrest Recreation Center, are proudly displayed by winners (l-r, front row) Richard Badalich, Albert Breitkopf, Don Heeke, Charles Sartorius, John Rouland, Bill

Deem; (second row) Diane Pettey, Lynette Rowin, Sponsor Mrs. Clara Kenney, Dianna Breitkopf, Jerrie Thomson, Sharon Roberts; (back row) Mike Scorvo, Frank McElfish, Sponsors George Meuser and John Gardner, William Ridge, Mike Cash and Larry Miller.



BOB NELLIGAN and his son, Bob Jr., won in the Bantam Boys' Parent-Child Tournament.



LAURIE ROREX and her dad, Robert, won in the Bantam Girls' Parent-Child Tournament.

Local Skiers Tally 30 Points in Slalom

Local skiers from the area racked up 30 points in the Brotzman Memorial Downhill Slalom held at Shirley Meadows on Greenhorn Mt. last Sunday but not enough to overcome the 10 point lead of the fast "schussing" Bakersfield skiers.

Competing in the meet were four members of the Recreation-sponsored Indian Wells Valley Junior Ski Club and a contingent of adult skiers from the China Lake Ski Club.

Junior competitors were Mike Meyer, Burke West, who took a fourth place, Bill Fallgatter, entered in his first competition, and Mike Murphy.

Murphy, representing the China Lake Ski Club in Junior Division competition, placed third with a time of 55 seconds.

In adult competition, China Lake Ski Club's Pat Hodgson of Pasadena took second place in the Women's Division with a time of 56.75 seconds.

Her husband, Bob, with a time of 40 seconds clinched the first place trophy in the Men's Division for the China Lake Club.

China Lake's Billy DeHaas took second place with a time of 41 seconds.

Bakersfield won the meet with a total of 40 team points.



JUNIOR SKIERS COMPETE—Entries in the Brotzman Memorial at Greenhorn Mt. last Sunday were Mike Meyer, Burke West, and Bill Fallgatter. West took a fourth place while his teammate Mike Murphy garnered a third place.



HASKELL G. WILSON

Senior Personnel Hear H. G. Wilson

Haskell G. Wilson, Associate Technical Director of NOTS, will be the principal speaker at the next luncheon meeting of NOTS Pasadena senior personnel on Wednesday, March 18, at Eaton's Restaurant in Arcadia. The meeting will begin at 11:30. Announcement is made by Eldon Dunn, member of the Supervisory Development Sub-Committee of the Employee Development Committee.

Wilson, who will discuss his Philosophy of Management, came to NOTS from BuOrd in 1955. He has become noted for his technical and administrative ability, which was the basis of the L.T.E. Thompson Award he received in 1957.

Augmenting Wilson's presentation will be a panel discussion of his ideas. Dr. C. K. Ferguson of UCLA will also lead a discussion of approaches to management. Those attending the meeting are expected to receive much stimulating food for thought.

Lassie

"Lassie and the Moving Mountain," a sequence of the Lassie series filmed at Morris Dam last November, will be televised on Sunday, March 15, Channel 2, CBS, at 7 p.m.



FUTURE SCIENTISTS AND ENGINEERS—Sixth grade science students of the Los Feliz Elementary School and their teacher, Miss Esther Copeland, were hosted at NOTS Pasadena last week. After being welcomed aboard by Capt. G. H. Lowe, Officer in Charge, and L. Z. Maudlin, Head of the Simulation

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

NOTS Holds Second Place

By DON ROBINSON

NOTS hoopers defeated Aero lab 76-66 to take second place during the regular season, thus qualifying them to play in the semifinals. The undefeated Pasadena Police have held first place since the beginning of the season.

NOTS will play the winner of the Breese-Coast Litho game. Should they be the victors, and should Pasadena Police defeat Aerolab, NOTS will play the Police for the Class A championship.

Top scorer in the game with Aerolab was Bob Matthew with 23 points.



GOLD BRAIDED CAP signifying new rank of Commander is offered by its owner, Cdr. W. M. Place, to Capt. G. H. Lowe for inspection.

Up to Commander

Congratulations are in order for newly promoted Commander William M. Place, Technical Officer (Actg.) for NOTS, Pasadena.

Cdr. Place reported to NOTS in October 1962, from duty with the Naval Air Station, RD Department, Lakehurst, N. J. He entered the service in 1943 with the V-5 Program (Aviation Cadets) in Pensacola, Fla. He received his wings with the Multi-Engine Program in Corpus Christi, Texas, upon completion

of the Aviation Ensign Program in February, 1951.

Cdr. Place holds a B.S. Degree and a Master's Degree in Industrial Engineering, both degrees from Purdue University, and a B.S. Degree in Ordnance Engineering (Aviation) from the U. S. Naval Post Graduate School Monterey, Cal.

A native of Gloversville, N.Y., his tours of duty have included Japan, Hawaii, and during the Korean Conflict he was plane commander for 45 missions.

Appeal For Red Cross

The 1964 Red Cross Fund Drive winds up at NOTS, Pasadena, today. In a final appeal to employees, we quote the following message from President Lyndon B. Johnson:

The Red Cross is a visible, generous expression of the American people's concern for their neighbors. The terror of disaster is lessened by the effective assistance given by our Red Cross to the victims of fire, flood, earthquake and storm both in the instant of emergency and in the long aftermath of recovery. American service-

men and their families, by the tens of thousands each year, turn to the Red Cross when a helping hand is needed in time of family problems and emergencies. More than half the blood used annually by the nation's hospitals is available because the Red Cross mobilizes volunteer donors to extend this life-line to sick and injured neighbors.

This program is a national source of strength and well-being which I heartily endorse as President of the United States and as Honorary Chairman of the American National Red Cross.

The annual Red Cross campaign for members and funds is one of three authorized each year within the Executive Departments and Agencies. This campaign will be held in March 1964 except in those communities where the Red Cross raises its funds in partnership with federated campaigns.

I appeal to all employees of the Federal Government and to all members of the Armed Forces to support the Red Cross in 1964. This is a cause that must enlist the generosity of all Americans so that this great organization of the people can continue to play its essential part in the nation's welfare.

and Computer Center, the class viewed "Expanding Frontiers in Ordnance" and "Operation Pop-Up" films. They visited the Gage Lab and the Simulation and Computer Center. Personnel presenting programs to the group commented on the high caliber questions asked by the students.

NASA Lauds NOTS Rocket In M-2 Craft

(Continued from Page 1)

Miller were commended this week in a letter from Paul F. Bikle, director of NASA Flight Research Center at Edwards Air Force Base, for their role in the adaptation of the 5-inch EVA rocket for the M-2.

The letter read in part: "Recently, on one of the research flights, your rocket was used as intended, thus averting possible injury to the pilot and damage to the vehicle."

"NOTS Propulsion Division is commended for a job well done. We look forward to a relationship between the two organizations that will continue to be as productive in the future as it has been in the past."

"Team Effort," says Carroz. "When congratulated on the recognition for his role in the adaptation of the EVA rocket, the slender Carroz, who leaves today for a year's tour of Europe, said, 'it was a team effort.'"

"Let's give credit to those who really deserve the credit. 'The machinists who built the new hardware, the plumbers who hydrostatic tested it, and the ordnancemen who mixed, cast, and machined the propellant and assembled the motors.'"

He then cited the following names:

Dura Pinkerton, Ralph Hough, Bonnie Brown, Alfred Cestine, Terry Driver, Ray Ellingson, George Freeman, Leonard Gallagher, Guy Graham, Ivar Halvorsen, Larry Hartley.

Hugh James, Wallace Landry, Dan Luzines, Louis Stewart, Cecil Thompson, Houston Vaughan, Tim Daniels, Ed McDuff, and Freddie Santangelo.

Field Trip Sunday

A Maturango Museum-sponsored field trip to Coso Hot Springs, led by Dr. Carl Austin of the Research Department, is scheduled for Sunday, March 15, starting from the museum at 9 a.m.

Bring food, water, good hiking shoes and plenty of energy.

Twelve Selected For New McBride Park Commission

Five men and seven women will man the newly formed McBride Park Commission. Ten represent community groups while two are not affiliated with any organization.

The Commission will formulate rules for the use of the park and for improvements beyond the capabilities of community groups, which might be undertaken by the Station, make such recommendations to Station Command.

Park Commission members and the groups they represent are:

Marilyn Yukelson and Janet Hays, American Association of University Women; Chaplain Robert Fenning, military personnel; Helen Sherman, China Lake Hebrew Congregation; S. and I. Houston, Unitarian Fellowship.

Jim Dake, Boy Scouts; Susan Fisher, IWW Council of Retarded Children; Dick Hays, China Lake Community Council; Lucile and Harold Pierce, China Lake public schools.

Also, chosen to serve on the commission were Clinton Spindler and Diane Frandsen.

A meeting of the Park Commission Board is scheduled for Monday at 8 p.m. at the home of Mr. and Mrs. Dick Hays, 705-A Nimitz. Those interested are invited to attend.

Naval Research Advisory Committee Here



NAVAL RESEARCH ADVISORY COMMITTEE members take time out from their business meetings here Monday and Tuesday to witness presentation of a President Kennedy com-

memorative medallion to Assistant Secretary of the Navy (R & D) J. H. Wakelin. Making the presentation in Michelson Laboratory lobby is Capt. Charles Blenman Jr., ComNOTS.



ADM. L. D. COATES, USN, Chief of Naval Research, is avid listener as Dr. Marguerite M. Rogers, Head of Air-to-Surface Weapons

Division of NOTS Weapons Development Dept., explains a component of the PADEYE weapon.

DR. W. H. BRATTAIN, NRAC member and holder of the 1956 Nobel Prize in Physics, was guest speaker at ASPA-RSA luncheon.

Tillitt to Speak To Tech Writers And Publishers

The Sierra Panamint Chapter of the Technical Writers and Publishers Association will meet Monday, Mar. 16, at 7:30 p.m. at the Hideaway Restaurant, it was announced this week by D. T. McAllister, president of the local organization.

Harvey Tillitt, Associate Head in Test Department, will be the guest speaker for the evening and will present a program concerning his visit to Russia in Nov. 1963.

Members are urged to invite their friends to this meeting, to which the general public is also invited.

Income Tax Class

A class in the preparation of Federal and State Income Tax Returns is now being conducted every Monday evening, 7 o'clock, in Room 12 of Burroughs High School. The classes will continue through April 13. Harold E. Toombs is the instructor of the course sponsored by Burroughs High Adult Education Program.

BRIG. GEN. W. B. KYLE, USMC (right), Deputy Chief of Staff (R & D), Marine Corps, and Capt. G. H. Lowe, Officer-in-Charge, NOTS Pasadena, enjoy cup of coffee during recess in NRAC business meetings.

Six Women Selected For Federal Award

Six Government career women recently were presented the fourth annual Federal Woman's Award in ceremonies in Washington, D. C.

The women, selected for the top honor by an independent panel of five judges, represent high achievement in the fields of commerce, foreign service, mathematics, medicine, personnel training, and social welfare.

They were chosen for their outstanding contributions to the quality and efficiency of the Federal career service, for their influence on major Government programs, and for personal qualities of leadership, judgment, integrity, and dedication.

Award winners are:

Dr. Evelyn Anderson
Research Scientist, Life Sciences, Ames Research Center, Moffet Field, Calif.; National Aeronautics and Space Administration.

Dr. Gertrude Blanch
Senior Scientist (Numerical Analysis), Applied Mathematics Research Laboratory, Wright-Patterson Air Force Base, Ohio; Department of the Air Force.

Miss Selene Gifford
Assistant Commissioner, Bureau of Indian Affairs, Department of the Interior.

Mrs. Elizabeth F. Messer
Assistant to the Deputy Director, Bureau of Retirement and Insurance, U. S. Civil Service Commission.

Dr. Margaret W. Schwartz
Director, Office of Foreign Assets Control, Department of the Treasury.

Mrs. Patricia G. van Delden
Deputy Public Affairs Officer, Attache of Embassy, Bonn, Germany; United States Information Agency.

In saluting the winners, Mrs. Katie Louchheim, Chairman of the Board of Trustees of the Federal Woman's Award and Deputy Assistant Secretary of Labor for Community Advisory Services, said:

"Every year the invaluable service being performed by dedicated and talented women, in virtually every profession, becomes more apparent through these Awards.

"The remarkable careers and achievements of these six women are the best possible evidence that women have the ability and the will to succeed when given the opportunity."

In 1955 each Federal employee in the executive branch served 70 Americans. In 1965 it is expected that each worker will serve 77 Americans.



SEABEES' 22ND BIRTHDAY cake is sliced by Lewis C. Minter, Steward first class, at Anniversary Ball where members of the local U. S. Naval Reserve Construction Battalion Division 11-2 celebrated the event last Saturday. At right is the unit's skipper, LCdr.

Paul O. Erickson. Holding plates for serving is LCdr. Carl E. Hamel, Reserve Staff Officer of Mobile CB 17, and in left background is Oliver A. Wilkerson, retired CB Chief Yeoman now with the Aviation Ordnance Department.

Name Winners In Nationwide Bridge Game

Fifteen tables of China Lake area bridge players participated in the American Contract Bridge League's fifth Nationwide Charity Game last Friday evening at the Community Center.

As a result, the local contribution to the American Cancer Society was increased by \$120.

Game winners were: George Blackshaw and Walter Roehrs in North-South position (match points, 174), and Mr. and Mrs. V. H. Wall in the East-West, with 152 points.

Other North-South winners were Milton Neufeld and Loretta Cleary, tied with Tom Hager of Trona and Bob Driggs (145). Second and third places were won by Mr. and Mrs. C. M. Dye and Bill Hughey and Ken Barnett.

In the East-West position, other winners were Mr. and Mrs. Maurice Sand, Mrs. Lillian Fojt and Al Staud, Mr. and Mrs. John Ewing, and Mrs. Roberta Boltz and Mrs. Cena Austin of Trona.

Door prizes were awarded by draw to George Blackshaw, Fred Leete, Pauline Sand, Roy Cole, Mary Higgins and John Condos.



ARMED FORCES DAY PLANNERS, under direction of Capt. F. F. Reck (seated) met Wednesday at Community Center to discuss forthcoming "Open House" observance on Saturday, May 16. Command and depart-

mental representatives included (from left) Cdr. Stan F. Abele, NAF; LCdr. L. B. Shultz, NOTS; W. H. Hampton, Technical Presentations Coordinator; and Lt. Ron Kauber, VX-5.

AAUW 'Tasting Tea' at Center This Sunday

With "Cooking Around the Clock" as this year's theme, the American Association of University Women's traditional Tasting Tea will be held Sunday, March 15, from 2 to 5 p.m. at the Community Center.

The Tasting Tea is AAUW's main fund-raising event of the year. Proceeds go to the annual college scholarship award to a Burroughs High School senior and to AAUW fellowships.

Co-chairmen Lucile Peterson and Elaine Griffiths have planned menus for five tables. The 37 recipes were selected from 120 favorites submitted by local AAUW members.

Tasters of the delicacies — all home-cooked — will start with breakfast and sample their way through luncheon, tea, dinner and after-hours snacks.

The public is invited, of course, and all in attendance will be given copies of the recipes in booklet form.

Two New Courses Offered by USAFI

Madison, Wis. (AFPS) — The United States Armed Forces Institute (USAFI) has announced the availability of two courses, one a new course in fundamentals of English and the other a revised course in college sociology.

English as a Communication Skill is a course covering the entire range of English language skills usually taught in grades five through eight in civilian schools.

Introductory Sociology (D495) is a study of the nature and functions of human society. The course emphasizes the cultural heritage and social nature of man as factors in personality development and behavior in various types of social relationships.

CPO Wives Plan Easter Breakfast

The CPO Wives Club is planning an Easter Sunday Breakfast at the club for all members, guest members and their families.

In the afternoon there will be an Easter Egg Hunt for all children (12 years old and under) of members and guest members.

CPO St. Pat's Dance

Shure, and there'll be plenty o' wearin' o' the green tomorrow night at the Chief Petty Officers Club when the annual St. Patrick's dance is held. The Tempos will provide the music for the evening.



PRE-EASTER PARADE — NAF Wives Club apparently just couldn't wait to don Easter bonnets, so they staged a Hat Fashion Show and champagne luncheon at the Commissioned Officers Mess last week. Models are

(l-r) Charlene Cossairt, Betty Speciale, Penny Kistler, Loretta Karr, Betsy Thomas, Alene Morgan and Joyce Rochester. The bonnets were furnished by Ethel's Dress Shop.

RAP. Rocket Assisted Projectile Assigned to Station By BuWeps to Increase Range in Beach Assaults

Propulsion Development Dept. Aided by Research, Test Depts.

BY BUDD GOTT

NOTS' ability to provide the Navy with all the technical and management functions to develop and deliver a complete weapons systems has been borne out with another project assignment to the Station by BuWeps.

The new project is the Rocket Assisted Projectile (RAP) which has been assigned to the Propulsion Development Department.

As the name implies, the project calls for the development of a new 5-inch projectile which will incorporate the use of a rocket motor to give it an assist, thereby increasing its range capabilities.

Historically, Naval fire support of beach assaults has been accomplished by the use of guns and rockets. The inactivation of many large ships has reduced the number of long range guns normally used in beach assaults.

Longer Range

RAP, the abbreviated term used by those who work on it, can provide the Navy with a means of extending its gunfire in support of troops which have moved inland beyond the range of present projectiles.

RAP will be similar to existing projectiles. Size of the new unit will be maintained close to that of the present projectiles to allow its firing from present day 5-inch Naval guns.

Project Manager

Crill Maples, an Oklahoma State University engineering graduate, has been serving as project manager or "systems integrator" as BuWeps now terms this function, for RAP.

Maples, a NOTS employee since 1958 and long experience with Hi-Hoe, Caleb, SIP, and the Guided Flight Vehicle, was named last week to head the newly formed Quality Assurance Division.

He will relinquish his RAP project manager role as soon as a successor is named.

Coordination of the complete round for RAP is being handled by Tom Preston, and Irvin Witcosky, of Code 4572. Both are CalPoly men who came to NOTS under the JP Program in 1959 and 1960, respectively.

The rocket motor is being designed and developed by the Propulsion Components Branch, Code 4573, under the direction of Ken Thorsted. Design engineers are Bob Dillinger and Louis Renner.

New Propellant

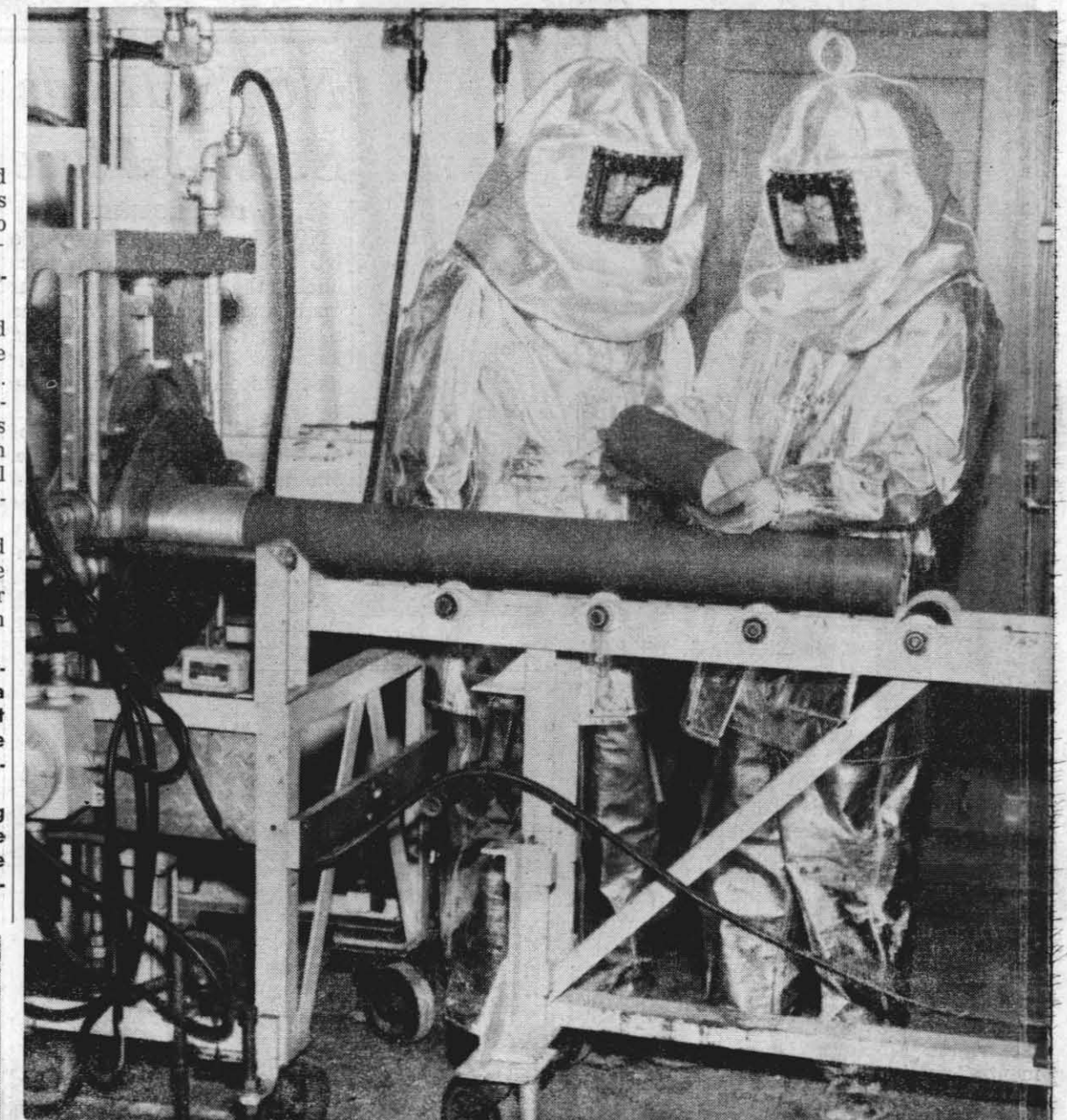
A new propellant processed by the Fluorocarbon Branch, Code 4575, headed by Dr. Ray Mellow, has made possible the addition of a rocket motor to the gun-fired projectile.

Personnel who have played a leading role in the development of the propellant are Dr. George Rice, Charlie Rogers, and Bob Dow.

Research to Assist
Dr. Leonard noted that Research Department's senior scientist Dr. W. R. (Duke) Hazeltine will assist with the analysis and determination of flight characteristics of the new projectile.

At NOTS since 1946, Dr. Hazeltine has had a hand in about every project on the Station. He is a graduate of Ripon College and received his doctorate in physics from MIT.

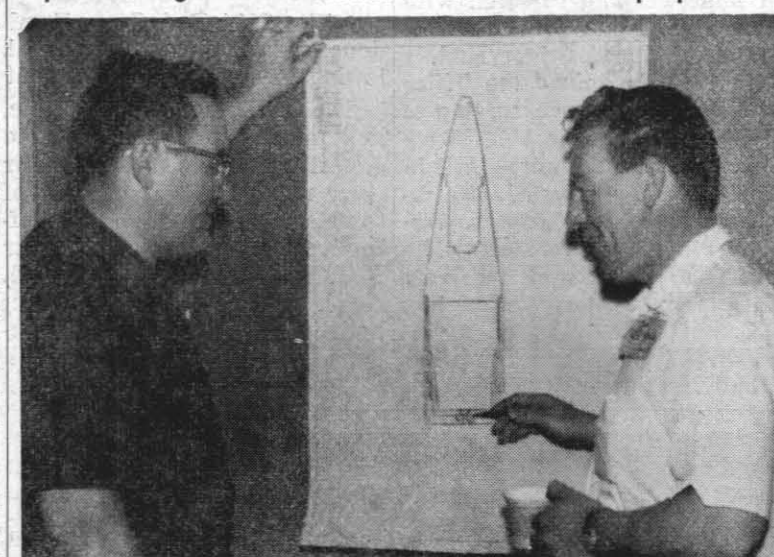
Test Department's Role
"The Test Department will assist us with the fire control



EXTRUDED FLOURCARBON PROPELLANT for the RAP motor is examined by Charley Rodgers and Jud Eldridge. Both men are pioneers in solid propellant research and development at NOTS.



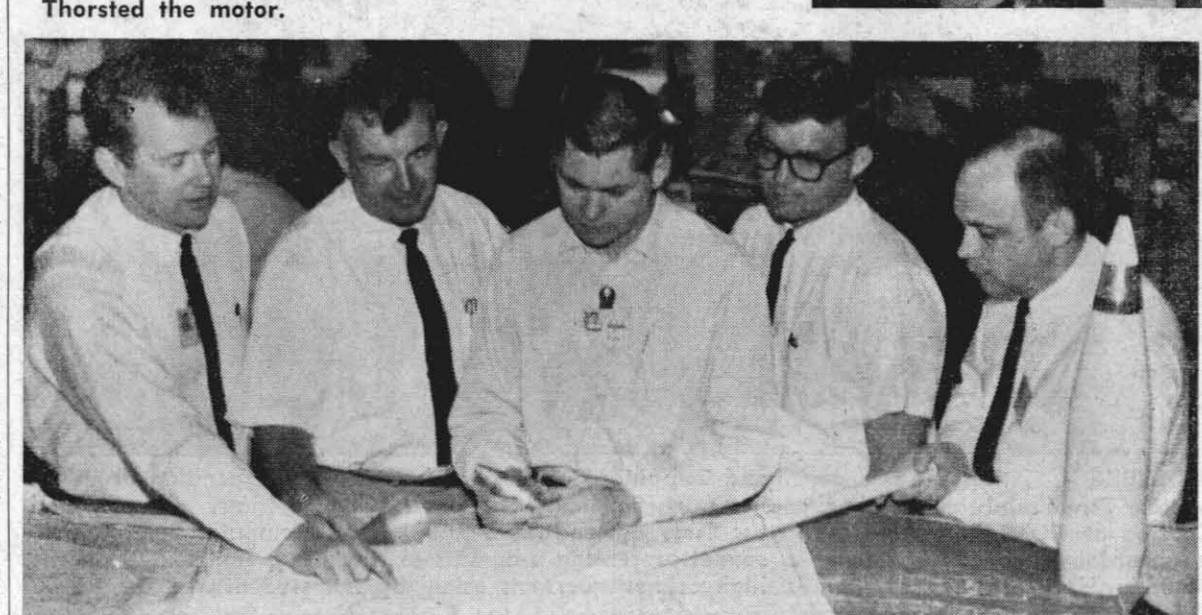
DR. HAZELTINE, Research Department's senior scientist, ponders flight characteristics of the 5-inch RAP projectile.



TOM PRESTON AND KEN THORSTED confer on motor for RAP. Preston has coordination of complete round and Thorsted the motor.



CRILL MAPLES, current project manager for RAP, discusses features to be incorporated in the new 5-inch projectile with Bob Dillinger and Irvin Witcosky.



HUDDLE IS HELD on gun mount and fire control modification for RAP by Test Department personnel Dick Murphy, Cliff Rienholt, "Chuck" Woods, Lynn Lyon, and Joe Rice.