#### Page Eight

#### ROCKETEER

#### Friday, March 6, 1964

### Schoenfeld Ensemble to Close **NOTS Civic Concert Season**



ALICE AND ELEONORE SCHOENFELD

### WACOM Schedules SHOWBO Meeting March 10

A meeting of the WACOM is scheduled for Tuesday, Mar. 10, at the Executive Dining Room at 8:00 p.m., featuring as guest speaker, Fred Wayne.

Wayne, a veteran of some 200 television shows, will ad- scenes and vital American history are tensely dress the group on "The Lack interesting for all oges. (Family). of Joy.

WACOM officials said the evening's program was planned to provide equal interest for husbands and urged their attendance.

#### VX-5 Wives Name Officers, Chairmen Of Committees

Sara Standefer was named secretary, Cecile Abbott was appointed treasurer and several committee chairmen were selected at the February luncheon meeting of the Air Development up in her "projects" and makes headlines. equadron Five Wives.

The luncheon was hosted by TUESDAY Julia Manherz, wife of VX-5's new commanding officer, Cdr. Jack M. Manherz.

Committee chairmen are Ann Myer, telephone tree; Virginia Schulte, party; assisted by Ruby Mayhem. (Adults and Youth). Williams, Marie Hathaway and WEDNESDAY Barbara Warner; Jean Kauber, baby shower; Donna O'Brien, hospitality, with Stecy Montague as co-chairman; Marie Hath- THURSDAY-FRIDAY away, suggestions, and Coleen Russell, publicity.

Last Tuesday the VX-5 Wives welcomed aboard Elizabeth Martin, bride of Lt. Joseph Martin, at a coffee at the Manherz residence.

"LAFAYETTE" (83 Min.) Jack Hawkins, Orson Welles, Edmund Purdom

(Adventure in Color) Brilliant, action-filled empts to reinforce with French troops as the of music lovers. colonies battle the British. Huge ba MARCH

-- MATINEE ---"WAR OF SATELLITES" (66 Min.) Dick Miller 1 p.m.

--- EVENING ---"BIRD MAN OF ALCATRAZ" (143 Min.) Burt Lancaster, Karl Malden

7 p.m. (Drama) True story of recently obert Stroud, a prisoner since 1909 who arted as a sullen escapee-determined tough and ended as a model prisoner. A class Adults and Mature Youth.)

SUNDAY-MONDAY MARCH 8-9 "TAKE HER SHE'S MINE" (92 Min.) James Stewart, Sandra Dee,

Audrey Meadows 7 p.m.

(Comedy in Color) When a pro ather starts checking up on his away-a college daughter he inadvertently gets mixe It's a Howl! (Adults and Young People) MARCH 10

COMEDY OF TERRORS" (88 M Vincent Price, Peter Lorre, Boris Karloff 7 p.m. (Comedy in Color) Boris's undertaking bus-

s off so son Vince, with Peter's help, drum up a little business until one corpse refuses to stay a corpse! Mirthful MARCH 11

NOTS CONCERT ASSN.

VIOLINIST ALICE SCHOENFELD 8:15 p.m.

MARCH 12-13 "THE SWORD IN THE STONE" (79 Min.) **Disney Feature Cartoon** 

7 p.m. Thursday 6 and 8:15 p.m. Friday (Adventure Cartoon in Color) hood of King Arthur comes to colorful life as Merlin, the Magician, shows him secrets of sorcery to help him gain the throne. Superb fantasy. (Family).

PLACE STAMP HERE

The Schoenfeld Ensemble will bring the 1963-64 NOTS Civic Concert Association season to a close Wednesday evening when they present a program of chamber music at the Station Theater.

Alice Schoenfeld, violin virtuoso, will appear as the soloist and lead the ensemble in a program of music by Mozart, Bach, Beethoven, and Karl Stamitz. Beginning her career at a

ery early age with the State Symphony Orchestra in Berlin, she played three concerts in one evening in her debut. For the past several years she has made her home in Southern Califor-

"Virtuoso of the most brilliant and accomplished variety," said the music critic of the San Francisco Chronicle

Members of the chamber en emble include: Miss Schoenfeld, violin; Eleonore Schoenfeld, violincello: Jascha Veissi, viola; Harold Brown, contrabass; Kalman Bloch, clarinet; Walter Ritchie, bassoon; Ralph Pyle, horn, and Robert Prichard, harpsichord

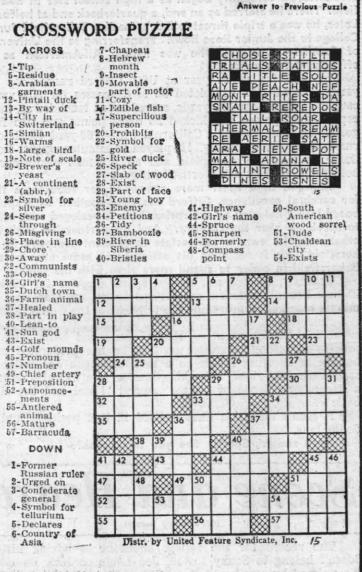
The major work to be preented in the China Lake concert will be the Septet in E Flat Major, Opus 20, by Ludwig van Beethoven. Though one of the great composer's earliest works ritten in 1800), it is a masteriece of chamber music in its blending of strings and wind instruments. The Septet is beautifully scored and achieved a fabulous success in Beethoven's lifetime and has maintained its account of General George Washington's at- popularity through generations

All tickets to the concert have been sold to season ticket holders but some may be turned back to the association for re-sale by members who are unable to attend the concert. Carroll Evans, treasurer of the Association will have ticket information at NOTS extension 71543. Or those interested in obtaining tickets may call Mrs. Roger C. Wickenden at NOTS extension 74161.

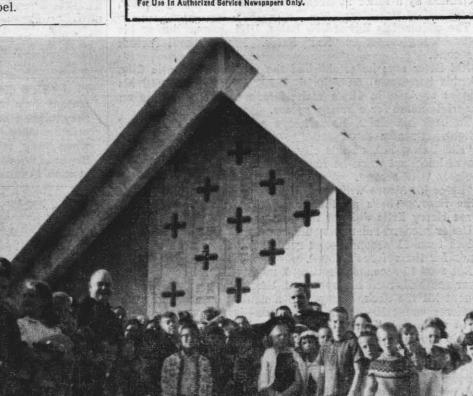
Curtain time is 8:15 and there will be a reception for the art ists immediately following the concert in the East Wing of the All Faith Chapel.



NEW DIRECTOR of the China Lake Nursery School, on Halsey at Bard and King Sts., is Mrs. Marguerite (Peg) Knoblauch (right). Other officers are Mary Moore, president (left), and Gwen Roby, secretary. LCdr. Richard Schulte is vice presi-Mrs. Knoblauch succeeds Mrs. Lorraine Scheidt who dent. is now Curriculum Consultant for the Nursery School, and also is in charge of teacher training.



For Use In Authorized Service Newspapers Only,



SHEPHERDING THE FLOCK of youngsters attending Mission Services at the All Faith Chapel this week, are Fr. Gilbert Zlater,

O.F.M., and Fr. Lambert Meder, O.F.M. Mission Services are being held daily for Catholic congregation through Mar. 14.

J. H. Wakelin.

A diverse program of activity is scheduled for the visiting dignitaries commencing with the presentation of "Highlight the presentation of "Highlights of NOTS Technical Programs' early Monday morning. The Committee will be wel-

comed here by Captain Charles Blenman, Jr., Station Commander, and Dr. Wm. B. McLean, Technical Director. **Briefed on Projects** Dr. Pierre St. Amand, head,

Earth and Planetary Sciences Division, Research Department, will present his program related to weather modification Monday morning.

Dr. B. Langenecker, head, Metal Physics branch, Dr. E. C. Bauer, head, Crystal Physics branch, Dr. H. E. Bennett, head, Physical Optics branch and Dr. B. O. Seraphin, head, Semiconducter Physics branch, will give presentations in the afternoon. Dr. W. H. Brattain, a member of the Advisory Committee and holder of the Nobel Prize in Physics (1956), is scheduled to address a joint meeting of the American Society for Public Administration and Research Society of America during the noon hour at the Executive

Dining Room.

Dr. Brattain is associated with the technical staff of Bell Tele phone laboratories. **Executive Conference** 

Tuesday morning sessions includes an executive conference and continuation of programs in the early afternoor N. L. Rumpp, head, Explosives

and Pyrotechnics division, T. G. (Continued on Page 6)

**Digital Fire Control** 



The first formal training and two officers, Lieutenants course of its kind ever conduct- (jg) John Milliken and Phil A. ed by the Navy - Basic Fire Miller. Control Digital Techniques is drawing to a close here at

China Lake. Its successful conclusion, ac- prepared by the Navy Typhon cording to officials, could lead Training Unit, Baltimore, Md., the way in years to come for which also detailed two instructhe introduction of digitalized tors to China Lake to teach the fire control systems throughout course.

the Navy. Test Department.

Mass Application Viewed



### Naval Research Advisory Committee To Meet Monday

### **Assistant SecNav** Wakelin to Head **Military Group**

The 60th meeting of the Naval Research Advisory Committee Vol. XIX, No. 9 convenes here Monday for a two-day session, bringing to China Lake some of the nation's key research and development leaders in addition to the Navy's Assistant Secretary of the Navy

Another NOTS 'First'



**Ex-Marine Here Teaches Science** of Guerrilla Warfare - Page 3

**Eleven NOTS Officials Ride Unique Craft** 

An experimental deep-sea research vehicle, developed in France and flown to the west coast, was demonstrated last week to Naval Ordnance Test Station officials in a series of dives and maneuvers at the San Clemente Island Sea Ranges.

Arrangements to bring the two-man diving saucer or "Soucoupe" to the United States from Marseille were made by the NOTS Earth and Planetary Sciences Division of the Research Department.

Operations in this country are hrough a joint venture of the Westinghouse Electric Corporation and the Office Francais de Recherches Sous-Mariner (OFRS), an independent, nonprofit organization at Marseille. OFRS is devoted to research in oceanographic fields.

Built by Captain Jacques-Yves Cousteau, prominent French pio neer in underwater engineering. the vehicle, named "Denise," is accompanied by five engineers who supervise and control the diving operations. The group consists of Dr. Andre Labon, Technical Director; Albert Falco, Chief Pilot; Armond Davos, Gaston Roux and Christian Bon-

Over-all dimensions of the diving saucer are 9.5 feet in diameter by 5.5 feet high, with a weight of about 7,000 pounds in air. It operates in the water at neutral buoyancy, and is propelled by two variable-speed and Recommendations for McBride directional hydraulic jets, and on candidates will with a speed of one knot

steel, oblate spheroid pressure The meeting is to be held at hull surrounded by a free-flood-Lind, 206-B Forrestal, beginning es batteries and other electronic components outside the hull. **Claws Grasp Objects** 

to attend the meeting, is urged erating to depths of 1,000 feet to notify either Marilyn Yukel- with its two-man crew of a pilot son, Ext. 77341, or Judith Lind, and observer. Occupants of the submarine-like vehicle can make In a letter last week to Mrs. visual observations directly Yukelson, chairman of the steer- through two circular viewing ing committee, Capt. Charles ports, and can grasp objects or

provide illumination for the ob-"Formulate rules and proce- server to make still or motion dures for use of the park by in- pictures as the pilot "flies" the dividuals and groups, and as- vehicle through the ocean's

Riding the craft in a prone "For those improvements be- position, the pilot and observer yond the capabilities of commun- experience no discomfort, reity groups, make recommenda- quire no special clothing and, tions for improvements which being in a normal atmospheric might be undertaken by the Sta- pressure at all times, require no decompression. After a crew has Upon establishment of the entered the craft it can be (Continued on Page 4)

Divided into seven specific areas, the curriculum covers Presently, NOTS scientists Transistor Theory, Numbering are developing a digitalized fire Systems, Boolean Algebra, Basic

control facility at the Station's Digital Circuits, Basic Digital Guidance Radar branch of the Computer, Fundamentals of Programming and Peripheral Equipment. It is this facility which the Significantly, those undergoclass currently undergoing ing instruction have never been

**Two Instructors Assigned** 

The 220-hour instructional

training will operate. And, on formally exposed to digitally the basis of success it attains implemented equipment. Yet, is hinged the fleet-wide applica- according to their instructors, tion of digitalized fire control. they have "bridged the gap" in This initial class of trainees a most successful manner.

includes nineteen military per- This testimonial implies that sonnel, ranging from seaman similar training programs could CHIEF HALLEN gives trainee striker through chief petty of be conducted throughout the Robert Cvetko, FTM1, pointficer, a civilian employee, Navy without the need for pri-Claude Hyten, who provides en- mary instruction at trade school gineering services to the unit, (Continued on Page 6)

course they are undergoing was

FRENCH DEEP-SEA RESEARCH VEHICLE 'DENISE' SET FOR DESCENT

Diver Armond Davos Rides Atop Saucer Until It Is Buoyant, Then

Removes Crane Hook, Freeing Vehicle For Deep Dive Maneuvers

ers on "digital thinking" via textbook.

#### To Recommend **McBride Park** Commission

highlight the meeting of the period of four hours. park steering committee Mon- The vehicle has a 3/4 inch day night.

the home of Douglas and Judith ing, Fiberglas fairing that housat 7:30 p.m.

Anyone interested in serving on the commission, but is unable The saucer is capable of op-77214.

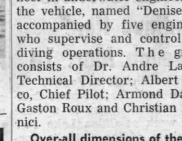
Blenman Jr., ComNOTS, outlin- specimens with the aid of the ed the principal responsibilities craft's external arm and claw. of the commission. Some of Powerful lights on the saucer these are:

sume responsibility for their en- depths. forcement.

tion."

(Continued on Page 2)

Called 'Denise'



Page Two



According to a story we read the other day, a man living on a ranch near Sacramento heard that gold was being found in Southern California. That was back in 1847. He decided he deserved his share of that gold, so he sold his ranch and went south

Meanwhile, a Colonel Sutter, the man who bought the ranch, quite by accident learned that there was gold on it. His little daughter had brought into the house some wet sand from the brook. The leaping, bright flames of the fire were reflected in tiny flakes of gold shining in the sand.

As the story goes, millions of dollars of gold were eventually taken from the ranch. Can you imagine how the man felt who sold the ranch in order to find gold?

That story isn't as unusual as one might think. There is a little of the restless wanderer in all of us. It is so easy to imagine that the place we occupy in the sun is worthless and that our future lies elsewhere.

The truth is that we so often have not taken the trouble to appreciate what God has given us in the place and among the people where we are. The pot of gold is not always to be found at the end of some distant rainbow.

It would not be a bad idea if each day were begun with a simple prayer asking God to help us discover the wealth of a satisfied heart in our own back yard.

### **Easter Seal Drive Opens In Kern**

#### **Mission Services Continue Here** Through Mar. 14

(See Picture on Page 8) olic Mission draws to a close undertake the specified responmembers of the Catholic con- ceed with the following: gregation here.

Special evening services have sidewalks. been held this week for women 2. Repair head facilities. members while male Catholics 3. Maintain buildings and are invited to attend services equipment. next week.

was held this week as a part restrooms. of the two-week program. 5. Daily trash removal from

Fr. Gilbert Zlater, O.F.M., and containers. signed here to conduct the Mis- ering and mowing. sion services, have served for 7. Include McBride Park in Mission Band.

"Door-to-door," telephone so- mailed to Kern County residents, and vicini licitations and other "personal directing the annual fund rais- Office Appliance Quality Control Inspector pressure" type techniques have ing effort to a "personal apbeen ruled out of the Easter peal." Campaign Chairman H. Seal campaign this year for rais- W. Pat Kelly stated that the So- 5001-BC with Executive Secretary, Board of ing funds for the Kern County ciety's services to the handicap- Examiners, U. S. Air Force, Army and Navy, Society for Crippled Children. ped has always been financed Officials of the Society said "entirely through the voluntary March 23. this week that 64,625 letters con- contributions of Kern County taining Easter seals have been residents without recourse to

#### McBride Park . .

(Continued from Page 1) The first of a two-week Cath- commission and agreement to Slates Easter Party this week at China Lake for sibilities, the Station will pro-1. Install grass, sprinklers and

4. Provide janitorial service

Fr. Lambert Meder, O.F.M., as- 6. Grass care, including wat-

many years with the Franciscan the Security Police patrol schedule

Repairer, W-12, 3.44 p/hr., Lompoc, Calif., and vicinity File Standard Form 57 and Card Form Room 207, Post Office Bldg., Santa Maria, Calif., no later than close of business on Quarterman pressures of any kind.

"Every aspect of Easter Seal citizen action," the Chairman

Maintenance, Philippines; Classification Spe cialist, GS-11, Guam; Safety Inspector, GS-9, am; Librarian, GS-11 (Administration), activity is based on voluntary Guam; and Central Office Repairman, Guam. File applications on or before March 20 with Navy Overseas Employment Office (Pacific), Federal Office Bldg., San Franci Calif., 94102.

NAVY OVERSEAS VACANCIES

Transportation Equipme

ROCKETEER

PROMOTIONAL

**OPPORTUNITIES** 

Present Station employees are encouraged

apply for the positions listed below: Ap-

advertised here does not preclude the use other means to fill these vacancies.

Supervisory Physicist, GS-12 or 13, \$9,980,

luation and Analysis Section, Optical In-

ation Branch. The Section evaluates

\$11,725 p/a, PD 43006, Code 3063 - Head,

and analyzes optical instruments and sys-

tems of instruments used in range testing

of ordnance items, modifies or develops op-

feasibility and potential of new or modified

File applications for above with Betty Fow-

pply Dept. is responsible for the supervis-

n of office services such as mail and file,

ing, etc. Provides secretarial services

Office Services Supervisor, GS-7, PD 425002, Code 2505 — As Head, Administrative Div.,

yping and stenographic services, plant

to the Director and Assoc. Director of Sup-

ply; provides secretarial training and policy

and procedural guidance to the clerical per

other types of experience plus one year of

above (at level comparable

perience in direct line with duties de-

File applications with Pat Dettling, Room

APPRENTICE EXAMS

rades: Electrician, Electronics Mechanic, Ma

Norker. File Card Form 500-AB with the

ivil Service Representative, Naval Ordnance

Station, China Lake, Calif. Applic

received or must be pos

chinist, Pipefitter, Plumber, and Sheetm

marked on or before the closing date

COMPETITIVE EXAMS

Foreman, F-12, \$10,108 p/a, Lompoc, Calif.,

Roads and Grounds Maintenance General

March 24, 1964.

Apprentice (First Year) \$2.20 p/h. For an

iceship training in the following listed

nel within the Department.

Applicants must have had

34, Bldg. 34, Phone Ext. 72676.

Deadline for filing is March 13.

ler, Bldg. 34, Room 34, Phone 71514.

range instrumentation and investigates

should be accompanied by an upto-date Form 58. The fact that positions are

### **Exchange Nursery**

An Easter party is scheduled for children of the Navy Exchange Child Care Center between 2 and 5 p.m. p.m. on March 26, according to director Eliane Darnell.

An Easter egg hunt and pinata breaking will highlight the A three-day children's Mission (Monday through Friday) to the event. In addition Easter bas-was held this week as a part tures will be presented to each child attending the event.

Reservations must be made with the Child Care Center not later than Friday, March 13, by calling Exr. 723723.



The party for the old timers of our Indian Wells Valley and honoring the "Friends of the Maturango Museum" last Sunday was a huge success, president Alice Hirsch tells me.

Friday, March 6, 1964

A previous commitment made it impossible for me to attend-much to my regret . . . because there's nothing like hearing first hand the stories of these old timers who came to the Valley as early as 1908.

Only we don't call them old timers, now. They all came so "spruced up" that the Board of Trustees felt that it would be better to call them pioneers. I agree. "Old Timer" has a connotation that doesn't set well with a young feller like me!

President Hirsch tells me that the "pioneers" came from as far as Bishop, Lone Pine, Little Lake, Trona, Randsburg, and Weldon. This was the first time so many pioneers had been together in quite a while. Many had not seen each other for a decade or more.

Among those in attendance were the following: Mr. and Mrs. Vernon Carr, the oldest living homesteaders in the Valley. They came in 1909. Their original homestead was on the base area. Also, their son, John, who was born here in 1913, and has remained in the area.

Ann E. Pherson (niece of the Carr's) of Little Lake was happy to see again Odessa Stelle of Ridgecrest. Mr. and Mrs. Clarence lves, formerly of Inyokern, now of

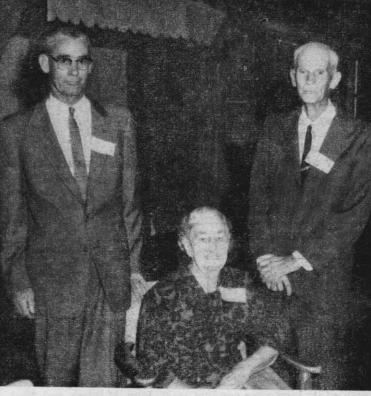
Bishop, who homesteaded here in the early days. Ethel Mary (Tiny) Standard and her sister Ruth Powers.

Remember, I wrote about "Tiny" in one of my columns. George Thompson, of Invokern, who donated a book to the Museum showing the early homesteaders of the area.

Others in attendance were Mr. and Mrs. George Pipkin of Trona, Judge Jim Nosser of Randsburg, "Chet" and Eugene Smith, and the Jessie Sterling family.

Mine near Trona; Jim McGinn (95) of Argus, and Stewart Fraser of Randsburg and Yellow Astor fame.

Sunday, March 15, leaving the Maturango Museum at 9:00 a.m.



**OLDEST HOMESTEADERS**—Engineering Department's John Carr poses with his parents Mr. and Mrs. Vernon Carr who homesteaded in the area in 1909. The Carrs initiated the first Desert Wild Flower Show in the area.



Morning Service-11a.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.

Confessions-8 to 8:25 a.m., 6 to 8:30 p.m. Saturday. 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.

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California Captain Charles Blenman, Jr., USM Station Commande "J." Bibby Public Information Officer Jack G. Broward Editorial Advisor

> Richard Grusneberg Budd Gott

Associate Editor Frederick L. Richards Special Assignment

DEADLINES lews Stories \_ Tues., 4:30 hotographs Tues., 11:30 g.m he Rocketeer receives Armed Forces Press ervice material. All are official U.S. Navy hotos unless otherwise identified. Printed seekly with appropriated funds in compliance with NavExos P-35, Revised July 1950. Office · 50 King St., Bldg. 00929. Phones - 71354, 71655, 72082



OLD TIMERS-Early residents of the area are greeted by Capt. Blenman. Area pioneers (I-r, seated) are Helen Smith (1929), Odessa Steele (1939), Anabel Carr (1909), Gladys Ives (1919), "Tiny" Standard (1920), Ruth Powers (1921), Ann Pipkin (1924), and Effie Smith

(1915). Back row are Jesse Stirling (1910), Lois Carr (1933), John Carr (1913), Vernon Carr (1910), Ann Pherson (1930), Judge Jim Nosser (1916), Clarence Ives (1919), Virginia Thompson (1926), Bob Thompson (1910), George Pipkin (1924) and Chet Smith (1915).



When the New York Football Giants move into Yankee Stadium each fall, the gladiators' helmets are placed, one by one, on the topmost shelves of their owners' dressing room cubicles. This rite is perhaps most familiar to Frank Gifford, who was honored last season by United Press International as the 1962 Comeback-of-the-year in the National Football League. Every team must have one man who leads, a man who inspires, one who can lift his teammates to winning heights. With the New York Giants, this man is Frank Gifford. Gifford's contributions over the years have been numerous. His value was fully realized during the 1962 season when New York won the NFL's eastern division title.

Gifford returned to football because he wanted to play. "I made a lot of money in the year I stayed out," he said. "I didn't stay out because of the head injury, I had personal reasons I don't want to go into. I missed pro football. I don't know any kind of business you can go into where you can get as much excitement once a week as you can playing pro ball."

In 1951, his senior year at USC, Gifford rushed for 841 yards at a 4.3 clip, completed 32 to 61 passes for 303 yards, caught 11 passes for 178 yards, scored seven touchdowns, intercepted eight passes and kicked 26 extra points and two field goals. He beat powerful California with a 68-yard touchdown run and 155 yards rushing. He played 60 minutes against Notre Dame, and he was co-captain and an iron-man performer in both the East-West and North-South games.

Recently, Gifford was named sports director for CBS-TV in New York. He does a regular sportscast, and stars in a 15minute taped show preceding the telecasts of the Giants' games. His endorsement has been given to shaving lather, hair tonic, swimming trunks, sweaters, slacks, shirts and belts. In the process of selling cigarettes on TV, he has performed such heroics as shooting rapids on a raft, driving a hot rod over sand dunes and riding a bucking bronco. He was also seen in a December episode of "Hazel" named "Hazel and the Halfback.'

do the fans.



The record for the fastest knockout in boxing history doesn't belong to Sonny Liston, Joe Louis or Jack Dempsey. It's claimed by a sailor at Great Lakes Naval Training Center,

The claimant is Edward N. Bates, DK1, known during his 15-year boxing career as "Kid" Bates. His knockout record: one second. Kid Bates says he established the record in Atlantic City,

Under modern rules it would seem that a fight could not last less than 11 seconds-one second for the punch and 10 seconds for the referee's count. But even 11 seconds is cutting it mighty thin. For a fighter to hear the bell, rush his opponent, throw a punch, watch his

opponent hit the deck, scamper to a neutral corner and have the referee count 10-all in 11 seconds-is fast work indeed. "In those days," Bates explains, "a fighter didn't have to go to his neutral corner when the referee finished giving fight instructions. After Referee Ertle had completed his say, I stood fast and when the bell sounded I threw a right at Moore and down he went."

A wicked right it must have been for, as the newspaper pointed out, the referee did not find it necessary to count. To top it all, Bates was a last-minute substitute for the fight. Moore's scheduled opponent suddenly became ill. EXTRA POINTS-Former All-Army fullback Ernie Wheel-

Conspicuously absent were Ed Teagle (93) of Stockwell

Dr. Carl Austin will head a field trip to Coso Hot Springs, sharp.

Friday, March 6, 1964

Gifford's versatility began as a high school star in Bakersfield. There he starred as an end, a quarterback and at halfback. Later, he was a triple threat tailback, leading Bakersfield Junior College to the Junior Rose Bowl. Transferring to the University of Southern California, he was named All-American as an offensive-defensive back.

Engaged in a sport more renowned for robustness than for cerebral excellence, Gifford has used football as a springboard into a network of enterprises. He is besieged with offers to speak all over the country. And, in partnership with two other men, he owns a real estate investment company in Bakersfield. He is reducing his activities in some area outside Bakersfield in order to spend more time with his family.

It seems television likes Gifford in that position, and so Keep smilin', Sport! See you next week!

### Scene and Heard

N. J., his hometown, on Aug. 4, 1930, when he dropped his opponent at Atlantic City's Waltz Dream Arena, certainly an appropriate name for a boxing palace.

To back his claim, Bates keeps a newspaper account of the fight. It reads: "Kid Bates, 116, of this city, scored what is undoubtedly

a record knockout when he flattended Artie Moore, 118, Philadelphia, in ONE second.

"Bates hit Moore with a right hand to the jaw and Moore hit the floor. That's all there was, there wasn't any more. Referee Harry Ertle did not find it necessary to count."

wright from Ft. Campbell, Ky., has signed a contract to play with the New York Giants of the National Football League . . . The 1st National Karate Championships will be held Mar. 28 at Ft. Myer, Va. . . . Distance runner Bob Schul credits his improvement to his hitch in the Air Force. An average college runner at Miami University of Ohio, Schul's times in the two and three-mile events began to improve as he worked on his form and technique for Air Force competition.

#### ROCKETEER

### Four Nights Slated For Little League

Boys interested in playing reminded that Little League reg- last week. istration nights are set for 7:30 p.m. Monday and Tuesday, March 9-10 and March 16-17, at the Grove Street School Auditor- ment

Parents should accompany Little League candidates when they go to register. Parents are reminded that an administrative place in the Women's 225 class ed by the China Lake Tennis fee of \$5.50 is due when the can- with a score of 1218. didates register.

Application blanks were disributed to all elementary schools this week.

Little League officials announced the addition of three offi- in the Cub division. cials who will assist in conduc ting this year's program.

Robert Nelligan has volunteer. ed for the post of executive vice president. Ben Wensinger will serve as superintendent of equipment, assisted by Bill Oaks. This rounds out the roster of officers for the 1964 season.

### China Lake Bowmen Candidate Sign-Up Score Big at Tulare

The China Lake Bowmen came home with quivers full of Little League ball this season are trophies after competing in the Tulare Limberlimb Animal Shoot

> More than 250 archers participated in the two-day tourna- Planning Sessions

Madge Bryant's 1358 was the Women's overall high score.

Shiela Stedman won first

top honors in the 175 class.

Randy Stedman brought home a second place trophy with 796 the tennis courts.

won first place in the husband- said a children's tennis clinic bined score of 2698. Ken and who are present for this meet-Madge Bryant were second in ing. the same division with 2626.

day, and then he went on to take firmed up, he said. second place in a special money Everyone interested in tennis shoot on Sunday.

### **Scheduled** For Local Tennis Club

Club for Saturday morning, 14 Marge Lyon shot 976 to take Mar., at 9:30 a.m., preliminary to the organization of an active tennis program for the area. The meeting is to be held on

Commander Stan Able, presi-Then, Bob and Shiela Stedman dent of the local organization, and-wife competition with a com- will be discussed with parents

Additionally, plans for the forthcoming tournament, sche-A flashlight novelty shoot was duled tentatively for the last won by Bob Stedman on Satur- two weeks in April, will be

is invited to attend this meeting.

### Athletes Undergo More Stress Than Astronauts

Houston, Texas (AFPS)-Studies conducted at the National Aeronautics and Space Administration here seem to bear out that sky divers, hockey players, skiers, polo players and track athletes experience more physical stress than spacemen.

However, the key here is physical activity. An astronaut, in top physical shape and well conditioned to the rigors of small transmitters to receivers high-performance flight, is phy- which converted the information sically restricted in his spacecraft. But an athlete's heart rate increases with his muscular activity, and with the heat of intense competition.

Surveys show that bowlers were found to range between 82 and 132 heartbeats per minute during competition, with a mean heart rate of 99.

By the same token, Astronaut Gordon Cooper, during his 34-hour orbital flight, ranged from 55 to 180 beats per minute, with a mean heart rate of only 89 beats per minute.

Just for the sake of perspective, a perfectly normal, healthy person - neither athlete nor astronaut - sometimes experiences heart rates of 180 beats a minute and higher while getting his teeth drilled in the dentist's office.

To get this comparative information members of the Space

#### **Pebble Pups Slate Field Trip Saturday**

A field trip is slated for the Valley Pebble Pups and their Weekend of 14-15th families along the Death Valley-Plans were announced this Keeler Road this Saturday, acweek by officials of the Indian cording to Royal Gould.

Wells Valley Junior Ski Club The group will meet at the for a two-day outing at June Mt. junction of Highway 6 and 190 on the weekend of March 14-15. just south of Lone Pine at 10 Reservations from those wish- a.m.

ing to participate in this trip From there they will go east must be received no later than toward Death Valley via Keeler today by Mr. and Mrs. Paul Road, turning left near the rail-Driver, Ext. 725082, adult lead- road crossing. Red and yellow ers of the Junior Ski Club, in ribbons will mark the route.

order that the necessary advance Since the hike of some distance from the parking area to Mr. Driver also announced the collecting area will be inthat the junior skiers will be volved, lunches and water represented by at least three en- should be carried.

trants in the Brotzman Memorial Blue Amazonstone and aqua-Races, sponsored by the Bakers- marine Beryl specimens are to field Ski Club this Saturday at be found in this area. Pebble Shirley Meadows on Greenhorn Pups should come equiped with hammers, chisels, and gloves.

Medicine Branch here taped electrodes to the chests of performing athletes. These sensors monitored heart and respiration rates and radioed them through

into readable physiological data, During space flight astronauts are similarly monitored to keep NASA physicians constantly aware of the pilot's physical well being during flight.

The second s
Special Services
special services
A saturation Illering
Activities Hours
11日本の日本になっていたり、20日本には11日本
Auto Hobby Shop Monday through Friday
Saturday
Sunday
Bowling Alley No. 1
Monday through Friday
Bowling Alley No. 2
Monday through Friday
Saturday 10 a.m11 p.m.
Sunday Noon-11 p.m.
Ceramics Hobby Shop
Mon., Wed., Thurs
Community Center
Monday through Friday
Electronics Hobby Shop Tues., Wed., Thurs
Saturday
Sunday Noon-5 p.m.
Equipment Issue Room
Monday, _Tuesday,
Thursday, Friday
3-5 p.m.
Golf Course
Daily to Sunset
Gymnasium Saturday and Sunday
Woodworking Shop Wed., Thurs., Fri
Saturday
Sunday Noon - 5 p.m.
Station Library
Monday through Friday 1-9 p.m
Saturday, Sunday 2-9 p.m.
Station Theatre
See Rocketeer for Show Times
Station Swim Pool
Friday
Saturday and Sunday 1-6 p.m.
Tennis Courts Daily
Daily 8 a.m 10 p.m.
Weightlifting Room
Monday through Friday 4:30 - 10 p.m.
Saturday
Sunday 1 - 6 p.m.



matter how many errors

they might otherwise make,

printers were letter perfect

when they selected Joyce

Bryan as queen of their con-

vention in Miami Beach.

Junior Skiers Go

reservations can be made.

Mt.

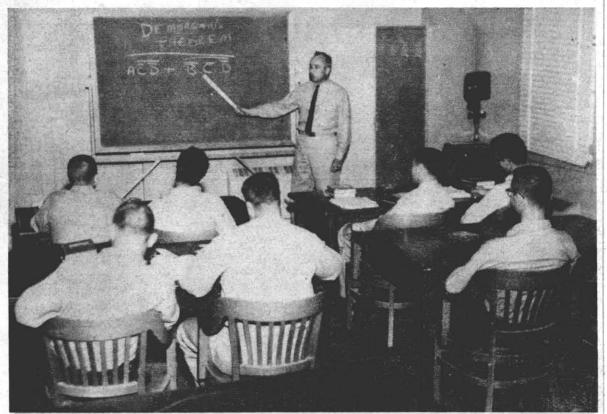
To June Mountain

### 'DIGITAL THINKING' **NOTS Trail-Blazes New Fire Control System**



**CLASSROOM EXERCISE on Univac computer** gets supervision of instructor Earl V. Hallen, FTC. Trainees Lawrence L. Hagadorn, FTM1, (seated), William E. Secor, FTMSN (stand-

ing behind Hagadorn) and Galen H. Best, FTCS, are members of local Guidance Radar branch. -Photos by Bob Hancock, PH3



**CONVERSION PROCESS started in early** January classroom for 20 members of Station's Guidance Radar branch. A. P. Taylor, FTC, was one of two instructors assigned here from Navy Typhon Training unit, Baltimore, Md., which also provided curriculum.



· 1997年1月1日, 1997年1月1日, 1月1日日, 1月1日日。

PERSONALIZED INSTRUCTION by Chief Hallen "groves-in" basic digital computer nomenclature for (from left) Lt. (jg) Phil A.

Miller, Lt. (jg) John A. Milliken, Robert Cvetko, FTM1, Galen H. Best, FTCS, and Richard H. Benbow, FTC.

#### (Continued from Page 1)

#### levels. Valve Exceed Goal

dance Radar branch, theorizes related to digitalized systems," that successful application of he noted. the skills and knowledge gain- This environment, plus the ed by this class may have a addition to classroom instrucvalue well beyond the immedi- tion of a Univac Digital Trainer, ate goal.

at least partial elimination of tor and trainee with highly valthe lengthy instructional periods uable elements, Taylor comthat personnel currently spend mented. in service schools

"If we can absorb the required skills and knowledge under 20, the training sessions are on-the-job circumstances, it is now picking up speed and emsame.

#### A "Typical" Unit

representative of all rating as well," remarked Hallen. levels in the fire control tech- "The practical application of nician branch and feels that, as this knowledge and skill can't a "typical" unit, others could help but aid a man's professionfollow similar procedures.

One of the two instructors as- But, even more important, jectives, called it a "concept." | follow!"

"Our purpose was to introduce the men here to the basic techniques of digital devices Advisory Group and their practical applications." He boils this down to a twoword definition: "Digital Think ing.

**Objective Achieved** "I think we've achieved this

objective. The final test, how- Lang, head, Hydrodynamics ever, will come in the months group and Dr. T. E. Phipps, ahead, once the class starts head, Research department, are operating the equipment."

P. Taylor, FTC, was responsible spective units in the afternoon for the early phases of training Tuesday. and has now returned to his parent command to start a sec- to adjourn later that day. ond course

A major area of concern as the class got underway," according to Taylor, concerned the motivation of personnel.

He soon found, however, that China Lake's scientific environ-President, General Dynamics ment had served as a natural Corp. motivational force.

Wants to Learn "Most of those in the class,

#### Conversion Plant To Be Constructed At Guantanamo

Washington (AFPS) - A cost efficiency study has been completed on the best of two methods of supplying water to Guantanamo Naval Base.

The study shows that of fresh water to Guantanamo Walker, (Chairman NRAC) Presby tanker from distant locations ident, Pennsylvania University; would cost approximately \$6,-360,000 annually.

Other results reveal that a 2.2 million gallons of water daily will cost approximately \$715,000 annually to operate.

The Navy plans to build a salt 750,000 gallons daily.

#### **Sprint Missile System Reaches New Heights**

is continuing on the Sprint mis- Corps; Rear Admiral C. T. Booth, sile which Defense Secretary Deputy Chief of Naval Opera-McNamara says will be a part tions (Development); Rear Adof the Nike-X anti-missile sys- miral H. P. Weatherwax, Astem

A major feature of the Sprint tions; design is the emphasis being Rear Admiral W. T. Hines, Deplaced on extreme acceleration puty Chief, Bureau of Weapons; characteristics, ...enabling ...the Captain C. H. Morrison, Bureau Sprint to reach intercept altitude of Weapons; Dr. E. M. Lamar, in less time than the current Chief Scientists, BuWeps and Zeus missile.

. t. c. j.

because of exposure to the scientific element here, had long been excited to learn more Lt. Milliken, head of the Gui- about the technological aspects

a small scale, general purpose "It could point the way for computer, provided both instruc-

**Graduation Nears** Scheduled to graduate Mar. possible that others can do the phasis on the future values it represents

"Not only to those in the Milliken regards his group as class. But, the Navy's future

al advancement.

signed here, Earl V. Hallen, this class will serve the Navy FTC, discussing the course ob- as a 'trail-blazer' for those to

# **Conference Here**

(Continued from Page 1) scheduled to present reports on Hallen's fellow instructor, A. projects conducted by their re-

The conference is scheduled

The Advisory Committee includes Dr. Brattain; Dr. W. A. Fowler, Kellogg Radiation laboratory; Dr. C. C. Furnas, Chancellor, State University of New York; E. H. Heinemann, Vice

Dr. R. A. Kern, Temple University hospital; Dr. A. B. Kinzel, Vice President, Union Carbide Corp.; G. Norton, (Vice Chairman, NRAC) Institute for Defense Analysis:

Dr. E. R. Piore, Vice President, International Business Machines Corp.; Dr. R. Revelle. University Dean of Research, University of California and Director, Scripps Institute of Oceanography;

Dr. F. E. Terman, Provost, Stanford University; Dr. E. A. Dr. J. N. Adkins, Executive Director, NRAC; Mrs. Marianne Jennison, Administrative Assistshore plant capable of producing ant, NRAC; and Dr. Shirleigh Silverman, Director of Research, Office of Naval Research.

Secretary Wakelin's party is scheduled to include Captain W. J. Moran and Major W. H. Fitch, units, each producing at least Navy and Marine Corps aides; Commander T. C. Lonnequest, Dr. H. J. White, M. Shaw, special assistants; Rear Admiral L. D. Coates, Chief of Naval Research:

Brig. General W. B. Kyle, De-Washington (AFPS) - Work puty Chief of Staff, U. S. Marine sistant Chief of Naval Opera-

Dr. John Loefer, ONR, Pasadena.

CONFIRMED BAR - IN FR. DAMASERS ARE INTER

its pay practices.

economy. an employer.

### <sup>Seabees Here</sup> Celebrate 22nd Ex-Marine, Osanka Now Teaches Anniversary

Members of the local U.S. Naval Reserve Construction Battalion Division 11-2 and their ladies will celebrate the 22nd birthday of the "Fighting Sea-Bees" with a gala Anniversary Ball tomorrow night at the Acey Deucy Club.

ing

and Air Force.

ously father.

CPO swim pool. In addition it has garnered many 11ND "E" Awards. The 52-member unit is skip-

A dinner beginning at 7 p.m. will start the evening's feativities. Following the traditional cake cutting ceremonies, the evening will be devoted to danc-

Guest of honor for the occasion will be Station Commander Capt. Charles Blenman Jr.

The "SeaBees," with their "Can Do" spirit bolstering their construction skills, became a legend during World War II.

Organized for immediate overseas duty on March 5, 1942, the outfits carved out more than 400 advanced bases, winning praise from the Navy, Army,

Landing with the first combat waves, the "SeeBees" performed their tasks under fire. working and fighting simultane-

In the rivalry which developed between the "SeaBees" (whose average age was 33) and the Marines, the later coined the slogan: "Never slug a Sea-Bee; he might be some Marine's

The local "SeaBee" unit was formed here as a non-pay group in October of 1954 and attained pay group status in October of

The unit has an enviable record of community service. It has assisted in the construction of the golf course, McBride Park, Little League parks, quarter midget race track, obstacle courses, rifle ranges, and the

EX-MARINE Frank M. Osanka served with Vietnam special forces paratroopers at Fort pered by LCdr Paul O. Erickson. Bragg, N. C. Today, he works at NOTS and

is currently teaching a special guerrilla warfare course for University of California Extension Program. -Photo by U. S. Army

### **President Johnson Calls** For Efficiency, Economy

I call upon all Government employees to observe three paramount principles of public service: First, complete fairness in the administration of governmental powers and services:

Second, scrupulous avoidance of conflicts of interest; and Third, a passion for efficiency and economy in every aspect of Government operations.

For its part, the Federal Government must be a good em- United States Military Academy ployer. It must offer challenging opportunities to its employees. It must be prompt to recognize and reward initiative. It must pay well to attract and keep its share of dedicated and resourceful workers. It must welcome fresh ideas, new approaches, and responsible criticism.

For 33 years I have been in Government service. I have known its challenge, its rewards, and its opportunities. But all these will multiply in the years to come. The time is at hand to develop the Federal service into the finest instrument of public good that our will and ingenuity can forge.

Although both our population and our economy are growing and placing greater demands upon the Government for services of every kind, I believe the time has come to get our work done by improving the efficiency and productivity of our Federal work force, rather than by adding to its numbers."

Although this budget is deliberately restrictive, I have concluded that government economy will be best served by an upward adjustment in salaries. In the last year and a half the Federal Government has taken far-reaching steps to improve

The Federal Salary Reform Act of 1962 and the Uniformed Services Pay Act of 1963 established the principle of keeping military and civilian pay generally in line with pay in the private

This is a sound principle, and it is reinforced by the sound procedure of annual review. This principle is fair to the taxpayer, to Government employees, and to the Government as Kennedy-is 21 guns for all

الارمان المركزة المركزة المراجع المركز المركز المركز المركز المركزة المركزة المركزة المركزة المركزة المراجع ال

### 'Why a 21-Gun Salute?' **Puzzled Americans Ask**

New York (AFPS) - Since the death of President Kennedy, the nation's libraries and museums report a flurry of questions concerning the military customs Americans saw exercised in the President's funeral.

One of the questions most often asked: "Why the 21-gun salute?" Like many other American

military customs, officials of the library explain, we borrowed this one from the British. But why the number 21? Orig-

inally, British war ships fired salutes of seven guns. The "sacred number" seven

was selected by Queen Victoria because of its mystical and symbolical significance in the Bible. Ships fired seven guns, but shore batteries answered three guns to the ship's one. The difference was because gun powder was difficult to preserve aboard ship. On land there were no storage problems, so three times as many guns were authorized.

When better powder was invented, the number of guns for the naval international salute was raised to the same number used by land forces.

Now the highest gun salutethe one to honor a chief of state, such as the one fired by the Armed Forces for President nations.

A NOTS employee who ranks today as one of the world's foremost authorities on guerrilla warfare is conducting a special University of California extension course on the subject for China Lake students.

Frank M. Osanka, special warfare consultant with Weapons Planning Group, holds classes each Wednesday in Conference Room "A," Michelson Laboratory from 6:30 to 9:30 p.m. The classes will continue

through June 3. A former Marine, Osanka join-

ed the Station in Oct. 1963 following faculty duties with George Washington University. **Political Science Course** 

Osanka is conducting the study session as a political science course offering three credit hours for its completion.

The course investigates in a comprehensive and systematic manner the subject of revolutionary guerrilla warfare as a violent means of influencing political an dsocial change.

Consideratble emphasis is placed on the study of historical and contemporary theorists and practioners.

An equal amount of time is being devoted to the investigation of this form of internal political warfare as it has occured since the end of World War II in China, French Indo-China, Malaya, The Philippines, Cuba, Laos and Vietnam.

#### World Crisis Studied

The conflicts in Kenya, Cyprus and Greece are also being examined as part of the course. Author of the book, "Modern Guerilla Warfare," which is considered to be the international standard text and reference work on the subject, Osanka has authored several papers on the political science aspects of guerrilla warfare.

He is a graduate of the Armys' Airborne and Jump Master,' Special Forces Officers" courss, the Navy's SCUBA school, the Marine Corps' "Communist Guerrilla Warfare" and "Amphibious Reconnaissance" courses and the U.S. Information Agency's "Counter-Insurgency" orientation and the Air Force's "Counter-Insurgency" courses.

Osanka served with special "Force Recon" companies in the Marine Corps.

This is the first time that this course has ever been taught on a formal, college level.

GIRL SCOUT annual cookie sale gets underway here as first purchases are made from Senior Scout Beverly Shull and Cadet Scout Catherine Anderson by Capt. Blenman, Com-NOTS, and Dr. Wm. B. McLean, Technical Director. The county-wide scout project, continuing all next week, coincides with the Girl Scouts' 62nd birthday anniversary.





Page Four

ROCKETEER

VIRGINIA E. LIBBY - Ext. 638

Friday, March 6, 1964





CAPTAIN G. H. LOWE, Officer in Charge, NOTS Pasadena, offers congratulations (I-r) to Albert J. Daney EMC, John H. Willoughby

BMC(DV), and Melvni W. Lynch BM2, on completion of 20 years active naval service.

### Pasadena Trio Ends Careers With Navy

Official inspection and retire-, by reported aboard from the ment ceremonies were held last USS Munsee (STF 197) on July 5, week at NOTS Pasadena Long 1963. personnel completing 20 years as a first class diver in the diactive naval service and enter- ving division at Long Beach. ing Fleet Reserve.

tricians Mate, was lauded for Deck Petty Officer aboard LCU checks oil levels, adds oil, checks area one mile off shore. efficiency which he maintained superior performance and leadaboard all NOTS craft and for ership during periods when Daney served as the Leading and operation schedules long patches tires and tubes. Chief of the Engineering Divi- from August 29, 1962 to late sion in Long Beach from April December. 19, 1961 through the present

Boatswain's Mate (DV) was com- ice mended for the initiative, industry and high degree of professional performance displayed San Diego during his tour. Chief Willough-

Beach Facility for three military Since reporting he has served

The retirees were presented Red Cross Fund Drive with United States flags in honor John H. Willoughby, Chief of their long and honorable serv

# To League Playoffs

Bob Matthews, NOTS Basketball March from 1-4 p.m.: Team bounced back after two March 7-8 - Cruiser, Guided previous heartbreaking losses, to Missile Heavy USS CANBERRA nip Coast Litho 58-54, reports (CAG 2); Tender, Seaplane USS

at different times.

thrills, as Dan McDonald tied it 1037). cider and Matthews followed Submarine USS CHARR (SS 328). suit to put the game on ice.

Others contributing to the victory which assures NOTS of a berth in the league playoffs were If you want to get even with center, Don Robinson; forwards, your wife for using your razor Russ Hayslett and Norm Esta- blades to sharpen pencils, use brook; and guards, Don Palmer, her powder puff to shine your Del Yarbough, and Ray Brooks. shoes.

## Ships To Host

The following ships will host general visiting in the San Die-Led by the clutch scoring of go Area during the month of

Norm Estabrook, team member. PINE ISLAND (AV 12). The game was a see-saw battle March 14-15 — Destroyer USS which saw NOTS leading by nine WILTSIE (DD 716); Transport, points and trailing by six points Attack USS NOBLE (APA 218). March 21-22 — Submarine It was the last 30 seconds, USS MENHADEN (SS 377); Eshowever, which provided the cort Ship USS BRONSTEIN (DE

up at 54 all with a tip-in. Roger Morehead added a two-point de-Attack USS TULARE (AKA 112);

#### Revenge?

PROMOTIONAL

**OPPORTUNITIES** To apply for vacancies, contact mitted when applying.

Automotive Equipment Serviveman; Hourly Salary Range: \$2.56 to \$2.78; Code P7152; Duty Station: Long Beach (San Cle- Dr. von Huene explored a vast mente Island). Services automo- submarine slope in depths rang-



aunched into the water in about slump. ive minutes.

living saucer operations at San with various kinds of sea-shell Clemente were under the direc- debris along with fantastic artion of a group headed by Dr. rays of purple-spined sea urchin, Pierre St. Amand, Earth and fuchsia-colored rocks, branch-Planetary Sciences Division ing clusters of white coral, and Head, and included Dr. David W. fiery orange starfish in a field Scholl, Oceanographer, and How- of white sand. ard R. Talkington, Advance Systems Branch Head, Underwater Ordnance Department, Pasadena craft into a section of volcanic Annex.

zation dives from NOTS China discovery. Engaging the craft's Lake were Captain Charles Blen- powerful arm and claw, he man, Jr., COMNOTS, Dr. Wm. B. reached among the rocks and McLean, Technical Director; secured a live Brachiopod, Captain F. F. Reck, Plans and placed it in the craft's metal re-Operations Officer; Cdr. L. H. trieving basket, and brought it Lippincott; Lt. Cdr. R. W. Mon- safely to the surface. ross and Willis R. Forman.

terest of marine geology and Palezoic Era of geological time, oceanography were Dr. David or from about 250 to 400 million W. Scholl, Dr. Roland von years ago, has a clam-like shell Huene, Frank H. Haymaker, and of smooth, ribbed or spiney tex-Wallace E. Hicks, Associate Head, Underwater Ordnance Department.

#### Dives Highly Rewarding

Dr. McLean was shown how organs. Nancy Reardon, Pasadena Per- the craft could search out and This uncommon sea animal, to the dive.

For one hour and 20 minutes, Technology, Pasadena.

(Continued from Page 1) , cation of recent currents or

Dr. von Huene described the Planning and scheduling the ocean's bottom as being strewn

#### Finds Palezoic Specimen

Maneuvering the deep-diving rocks at the 656 foot depth, Dr. Participating in the familiari- von Huene made an interesting

The Brachiopod, a sea animal Those making dives in the in- that flourished during the upper The pure white, almost trans-

parent bilateral shell of the animal can be opened and closed Dr. Scholl reported that the with well-developed muscles. Inexploratory dives with Dr. Mc- side the shell are rows of cili-Lean and Dr. von Huene were ated tentacles of the animal's highly rewarding in scientific digestive system, a nervous sysdata and recovery techniques. tem, kidneys and reproductive

sonnel Division, Extension 492. recover a small object, such as probably one of the first to be A current SF-58 must be sub- a NEL 37 KC sound-emitting de- taken alive from the San Clevice, dropped in 100 fathoms mente Island waters, is now livnear the Wilson Cove area prior ing under scientific scrutiny in a tank at the Earth Sciences Division. California Institute of

Some of the many advantages Albert J. Daney, Chief Elec-Mate, second class, served as the two equipment with gasoline, ing from 260 to 656 feet in an for oceanographic exploration and research, according to Dr. the high standard of operating 1446. He was commended for his radiators, cleans windshields, The slope, one of the largest Scholl, include the feasibility checks tire pressures, and checks and steepest off the coast of to make various physical measbatteries. Lubricates automotive California, was verified by Dr. urements on the floor of the outstanding leadership. Chief available personnel were short equipment and changes and von Huene to be at an angle of ocean; the ability to observe about 60 percent, with no indi- deeper marine geological and biological phenomena in their natural environment, instead of disturbed samples retrieved by 'blind" sampling devices; and means to determine the stability

#### Amazing Progress Seen

need for the type of submersible ably exceed, in a few years, the Contact or see that you are entire progress made in past

> Also observing the demonstrations of the diving suacer at San Clemente were Captain Grady Lowe, Officer-in-Charge, NOTS Pasadena; Douglas J. Wilcox, Head, Underwater Ordnance Department; and Lt. Col. R. S. Clark, U. S. Army Liaison Officer, China Lake.

In addition to NOTS personnel at the scene of diving activities were Dr. Pat M. Wennekens. a former Station employee now representing the Office of Naval Research; Charles E. Jenkins, di-P1904-LCDR J. E. Schafer, SCI. rector of the Westinghouse effort in the diving program, and also a former NOTS employee; Glen Minard, supervisor of the handling crew for Westinghouse; and Robert Dill, well-known scientist and diver from the Naval Electronics Laboratory, San Diego.



CLINTON V. WEAVER

In Full Swing At Annex of steep submarine slopes. The 1964 Red Cross Drive, many disasters throughout the In commenting on the great now in full swing at NOTS Pasa- year, important services such as dena, will continue through assistance to servicemen and demonstrated, Dr. St. Amand

ing selected keymen: P195-C. H. Jackson, YN2 P258—Betty Crawford P80 & P801—Peggy Higgins P809—Kenneth S. Leisge P5514—J. R. Miller P19302-Lt. K. W. Eveland P802—Harry B. Roesner P807—JoAnn Roesner P713—Ray R. Oja (P7102) P8051—Homer W. Lineberry P804—Jeannine Wolfe P80837—Vern L. Updegraff P19031—Lt. R. Rodrigues,

Long Beach P25623—Octavia Whalen P256—Joe Diaz P2561—Rosemay Calvi P712 & P714 - Frank Sessa P715—Stanley Seeberg, SCI. P1901—Sue Burg P191—Susan Cameron P659—Nancy Reardon

March 14. Chairman of the drive their families, first aid and wat-said the future progress of is Clinton V. Weaver with Polly Richards serving as treasurer. We are all aware of the many of the Red Cross services NOTS Gains Entry General Visiting Richards serving as treasurer. We are all aware of the many of the Red Cross services. services performed by the Red Cross. Besides aiding victims of

contacted by one of the follow- centuries.

Friday, March 6, 1964

Page\_Five

### 'Denise' Shows Scientists Wonders of Sea



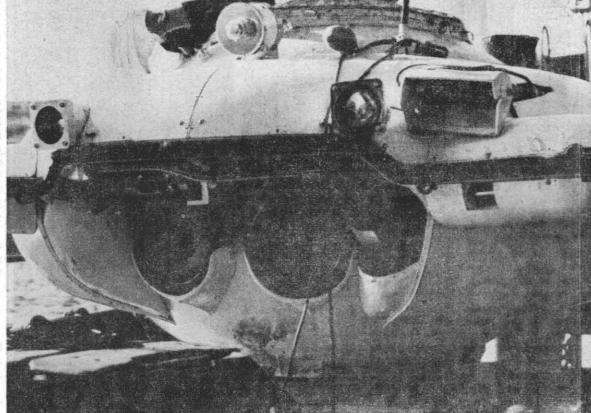


NOTS TECHNICAL DIRECTOR Dr. Wm. B. Mc-Lean, climbs into observer compartment in preparation for dive. Charles Jenkins (back to camera), project manager for Westinghouse, is former NOTS employe.

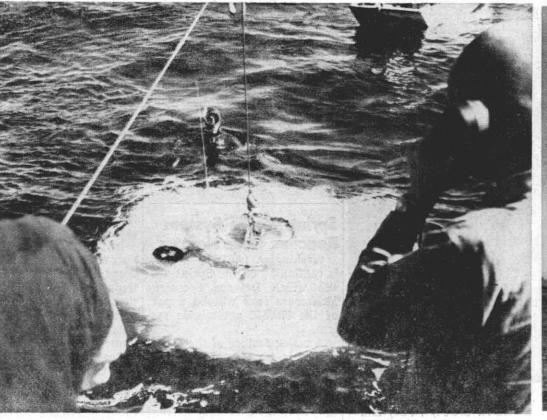
CAPT. CHARLES BLENMAN, Jr., ComNOTS, suited in coveralls, inspects saucer before his observation dive. With him are LCdr. J. E. Schaeffer, Jr., O-in-C, San Clemente Island, and Capt. G. H. Lowe, O-in-C, Pasadena Annex.



DIVING CHARACTERISTICS are explained by Dr. Andre LaBon, Director of the French Underwater Research Organization, to Cdr. L. H. Lippincott (left), one of NOTS officials who made observation dives in vehicle.

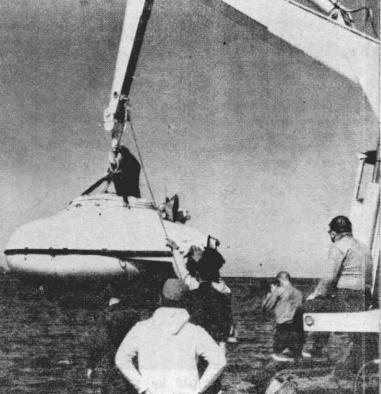


"DENISE" the deep-diving saucer, measures nine feet in diameter and weighs approximately 7000 pounds. Ports in lower section enable pilot and observer to view submarine life. Device was demonstrated at San Clemente Island by arrangements of NOTS Earth and Planetary Sciences Division. -Photos by Ralph Robey, PH2, and Lee Mascarello, PH2



TWO-WAY UNDERWATER communications are maintained by man (right foreground) and

pilot in vehicle, shown here as it is lowered into water by crane from tender.



HYDRAULIC CRANE lifts saucer gently out of water and onto deck cradle aboard tender off San Clemente Island.