ROCKETEER

6 and 8:15 p.m. (Drama in Color) - Walt Disney's story

"Citadel in the West" (10 Min.)

-MATINEE-"GERONIMO" (101 Min.)

Chuck Connors

1 p.m. Short: "Eggs Scramble" (7 Min.)

"Jungle Drums No. 3" (13 Min.)

-EVENING-"BELLES, BEAUX, AND BARBERSHOP"

by the

Donations \$2 adults, \$1 students and

8 p.m., 🗧

'DEAD RINGER" (115 Min.)

"SOLDIER IN THE RAIN" (87 Min.)

Jackie Gleason, Steve McQueen, Tuesday Weld

7 p.m.

(Drama) The wild hi-jinks of a pair

humor and pathos. (Adults and Mature

Shorts: "Aquamania" (7 Min.)

"AFSM No. 617" (17 Min.)

"MAIL ORDER BRIDE" (84 Min.)

The Indian Wells Valley

scratch team series — 797.

Buddy Ebsen, Keir Dutlea, Marie Windson

MAY 26-27

MAY 28-2

Bette Davis, Karl Malder 7 p.m.

(Mystery Drama) Here's an

servicemen.

nony extravaganza jointly produced

SATURDAY

SUNDAY-MONDAY

TUESDAY-WEDNESDAY

HURSDAY-FRIDAY



MATURANGO MUSEUM SPONSORED TOUR TOMORROW A Grand Tour of the Station tomorrow is next on the spring-summer schedule for members of the Maturango Museum. The tour, led by Ken Pringle of NOTS Research Dept., will start from the Museum parking lot at 7:30 a.m. On the caravan agenda are Mountain Springs Canyon, Carricart Lake, Echeron Valley, Mill Spa on the road to Maturango Peak, Junction Ranch, El Canejo, Cole Flats, Cole Springs and Coso Village. All participants must be listed with Security.

CHINA LAKE PLAYERS 'SPRING THING' IN FINALE

The final performance of the China Lake Players "Spring Thing" is scheduled for tonight at 8:15 at Burroughs' Multi-Use room. The first part of the program, "Meet the Players," is an original, informal look at the theatre arts in readings, song, dance and sketches. The dancers in "Les Attitudes" are directed by Joan Leipnik.

The second portion of the program, "A Phoenix Too Frequent is a one-act comedy in blank verse by Christopher Fry. This was the Players' entry in the recent Kern County Drama Festival in Bakersfield where it won three acting awards.

DORIS HAMMER ELECTED SCHOOL BOARD PRESIDENT Mrs. Doris Hammer, clerk of the China Lake Elementary School Board, was elected President of the Kern County School Board's Association.



Mrs. Hammer has served the Kern School Board's Association actively for the past six years and has held office for the past three years, one year as secretary and treasurer, and two years as vice president.

During her six years as school board member of the China Lake Elementary School District she has held the office of President and clerk of the board.

Mrs. Hammer resides with her husband, Albert R. Jr., and children, at 705-B Nimitz. During her residenct at China Lake she has been very active with youth work, including several years of active work with the Little League

BALLET PERFORMANCE AT COMMUNITY CENTER TONIGHT Tonight at 8 o'clock the China Lake Ballet Society scholar ship entrants will present an exposition demonstrating the en-

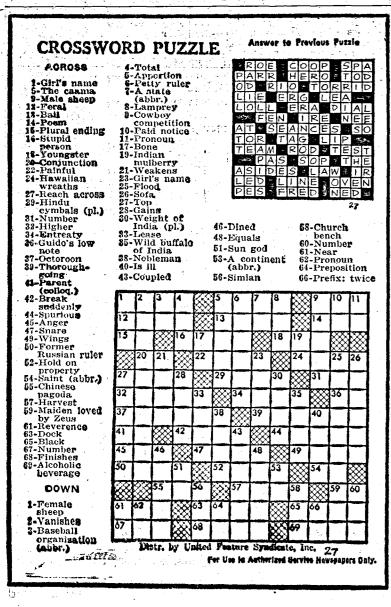
chainments and original choreography performed by them at the scholarship auditions held on May 9, according to Betty Jacks. Members, their families, and friends are invited to attend. There is no admission charge.

NEVADA FILMS TO BE SHOWN AT MINERAL SOCIETY MEET The "Desert Nomads" will present a "Color Log of Nevada" at the 7 p.m. Monday meet of the IWV Gem and Mineral Society at 84 King Street. The "Nomads" are well known for their films Metal Trades Council-sponsored Hewitt as Lillian and Diamond field, and the Vagablondes from

COMMUNITY COUNCIL VACANCY

A vacancy for an alternate Member-at-Large exists on the Community Council due to the resignation of Karl Masters. Those Foursome Bowling League tour- tets, the China Dolls and the may be obtained from members interested in serving until the Council's November election are nament. asked to contact Bob Glen, Ext. 71769 or 76153.

"TEMPOS" TO PLAY ACEY DEUCEY CLUB TONIGHT "The Tempos," as six-piece musical aggregation, will play for the Acey-Deucey Club dance tonight starting at 9 a.m., according to Club manager Bruce Alexander. A buffet dinner will be served from 5:30 to 7:30 p.m.



SHOWBOAT Gala Benefit Barbershop Show Tomorrow Night "A TIGER WALKS" (91 Min.) Brian Keith, Vera Miles

an escaped circus tiger, of the little girl who pleads on TV to save him, and of the local sheriff who hunts him down. Suspense-ful. (Adults, Youth and Children). Short: "Truant Officer Donald" (7 Min.) MAY 23 eet Adelines and Men's Barbershop Society MAY 24-25 ing tale of twins, one of whom murder and impersonates the other. And please don't tell anyone of the twist in the story ending. (Adults and Youth over 14.)

will be played by Dean and June Hewitt in the joint China Lake Sweet Adelines and Men's Barbershop Society production tomorrow night at the Station Theatre.

Barbershop harmony at its best will be heard tomorrow night at 8 p.m. in the Station Theatre when local and top-ranking quartets from the Southland appear in a gala two-part benefit show to raise funds for the

dren. Traditional show business at of the first act.

7 p.m. (Comedy in Color) Laugh away at the old x-marshall who tames the wild youngste of his dead friend by shopping for a brid to tie the young man down. Maverick vs. western he-cupid. (Adults and Young People.) Shorts: "Trap Happy" (7 Min.) "Wish and Ticino" (10 Min.) duction.

> girl-type barbershop singers in will feature four top notch that era.

team — Carl and Paula Valdez Jim; a second-lead couple will Fullerton. and Jack and Darlene Herbstriet be Cecile Abbott and Dr. Rex Tickets at \$2 for adults and with the two choruses from the first come first served basis.

local chapters as the entire cast the turn of the century will ... The plot is destined to appeal

Lake Sweet Adelines and the as it depicts barbershop harmost popular entertainment in When the curtain rises on the early 1900's, and illustrates

a typical night club scene of quartets from Southern California: the Keynotes and the Side-Leading characters of the one- winders from Riverside; the

- won the Friday Night Mixed Shacklett. Two women's quar- \$1 for students and servicemen Gold Tones, and the men's Dusty of the two sponsoring organiza-They bowled the highest Four quartet will be featured tions or at the box office on a

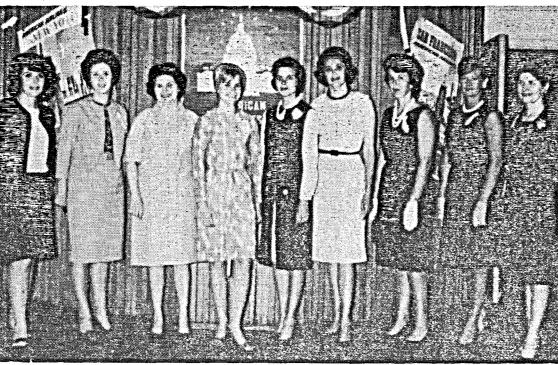
Field.

visitors.

program.



(LST-1167).



From

WACOM INSTALLATION—Outgoing WACOM president JoAnn Rusciolelli poses with new WACOM officers (I-r) Georgia Knutsen, hospitality; Helen Fletcher, vice president; Pen-

Homemaker Tip Producers of butter in California are well aware that the delicate flavor of this dairy food must be carefully protected. It is kept properly refrigerated until sold. The wise homemaker continues this care by refrigerating her purchase as quickly as possible, and by covering and returning unused portions of butter to the refrigerator.

· · . .

ny Kistler, president: Suzanne Kumpf, secretary; Helen Weals, treasurer; JoAnne Donahue, name tags; "Charlie" Cossairt, publicity; and Mary Lou Gott, historian.

= 142

Section Chief

PLACE

STAMP

HERE



peacetime Army sergeants, one always get-ting the other out of a jam. This portrays the brotherly closeness of buddies with

IWV Council for Retarded Chil-

be the theme of the joint China to music lovers, young and old,

Men's Barbershop Society pro- mony when it was vaudeville's "Belles, Beaux, and Barber- a style of musical expression shop," Lillian Russell and her which has since become part of swain Diamond Jim Brady will our American folklore. dominate a bevy of boy and The second half of the show

Metal Trades Team Bowls 'Em Over in Mixed Foursomes



Striking the only note of discord throughout the day was the accidental death of Donald R. Baker, Aviation Electrician Third Class, one of the China 'Lake "Skydiver" parachutists participating in the morning's

Gusty winds that picked up as the day wore on failed to lessen the excitement presented by a thrilling flyover of jet aircraft based at NAF and a pistonengined T-28 "Trojan." Helicopter rescue and fire-

fighting demonstrations conand men based at Armitage

See Progress Here Michelson Laboratory, opened for limited touring in the afternoon, attracted an estimated three thousand visitors. Some (Continued on aPge 3)

REPORTS ABOARD-Lt. (jg) Michael E. McGovern, USNR, has reported aboard as NOTS future Special Services Officer. A graduate of the University of Notre Dame, he entered the Navy in September of 1961. His last duty was gunnery officer aboard the

POISED FOR ACTION are 14 Air Force

"Sabre" jets based at China Lake during

Exercise "Desert Strike" this month, Man-

euver started last Monday, covering a three-

Plans to develop the area immediately behind the old structure into a family picnic facility

James L. Pollard, RDC, and

state area of California, Nevada and Arizona. Five Air National Guard units are engaged locally in operations -Photo by Floyd Pickrell, AOD

All Day Wednesday

The Commissary Store will be open from 10 a.m. to 6 p.m. on Wednesday, May 27, to allow Commissary employees to have Memorial Day off, according to an announcement by Lt. J. F.

Station Library

To Close for Repairs Memorial Day, May 30.

personnel underwent harrassing "enemy" air attacks early Monday morning as mock warfare erupted in the largest peacetime maneuver since the

Code-named Exercise "Desert Strike," the maneuver includes participation of 100,000 men of the reserve and regular Army

The mock attack on the China Lake units came with the dawn last Monday, "destroying 11 aircraft killing six men and wounding two," according to Captain William D. Mason, one of the umpires assigned to the area.

point in the maneuver, the China Lake units will undergo extensive "provoking", attacks by the aggressor nation in an attempt to draw them into con-

Sixty regular Air Force personnel, members of the 914th Combat Support Element at Mc-Dill Field, Fla., six regular Army men from Ft. Bragg, serving here as ground liaison personnel, and three umpires will remain here through May 30, conclusion date of the exer-

Locally commanded by Air Commissary Store Open Force Colonel Richard S. Weltzin, the composite units have been designated as the 914th Tactical Fighter Wing.

Fourteen Air Force "Sabre" jets are based here, poised to repel air strikes and provide tactical support to ground troops engaged in the maneuver. Units from the 198th Tactical Fighter Squadron, based at San Juan. Puerto Rico: 101st Tactical Fighter Squadron, Boston, Mass.; 131st Tactical Fighter The Station Library will close Squadron, Westfield, Mass. at 3 p.m., Thursday, May 28, for 141st Tactical Fighter Squadron, needed maintenance. It will be McQuire, N.J.; and 138th Tacti-Coxe (CEC), said the contract Joseph A. Jordan, AQC, serve open from 1 to 9 p.m. on Fri-cal Fighter Squadron, Syracuse had been awarded to the Thatch- as Manager and Assistant Man- day, May 29, and will be closed N.Y., comprise the main Air National Guard participation.

Contract Awarded to **Rebuild CPO Club** Demolition work on existing | ion lounge cluded the action-packed spec- walls of the burned-out Chief Existing facilities include a

tacular presented by officers Petty Officers Club was sched- patio-swimming pool and out- LeBlanc, Officer in Charge. uled to begin this week, follow- door dance area. ing the award of a contract for reconstruction of a new, \$139,776 structure.

In an announcement made by are expected to be rejuvinated, the Southwest Division of Yards according to Club officials. 20 displays and exhibits were and Docks, Rear Admiral L. C. er-Provin Co. of Downey, Calif. | ager, respectively. Plans and specification for the new club, at King and Lauritsen, were prepared Dinger and Pedersen and Associates, Los Angeles.

Captain C. A. Reilly, CEC, NOTS Public Works Officer, was named Resident Officer - in Charge of Construction.

Public Works officials said actual club construction is to begin within the next 30 days, with completion due in early December of this year.

Spaces in the Community Center formally known as the Ripple Room have been occupied by the CPO Club since the structure was destroyed by fire in late 1962.

The new club will have a ounge, dining room and televis-

Flight Surgeon Will Speak to Nurses Mon.

NAF's flight surgeon Lt. James Standefer will speak on "Space. Medicine" at the Indian Wells Valley Nurses Club meet-USS Westchester County ing on Monday at 7:30 p.m. in the Community Center.

NOTS ADVISORY BOARD members convening here this week included (seated, I-r) Dr. C. C. Lauritsen, RAdm. Rawson Bennett, USN (Ret.), Adm. A. M. Pride, USN (Ret.), RAdm. F. S. Withington, USN (Ret.). Standing (I-r) Dr. Wm. B. McLean, NOTS Technical Direc-

tor, R. L. Biggers, Frank Gard Jameson, Henry Dreyfuss, Dr. W. Albert Noyes (new member), and Capt. Charles Blenman Jr., ComNots. Not present for picture Dr. Ithiel de Sola Pool and E. H. Heinemann. Not attending RAdm. L. D. Coates, Dr. F. N. Spears.

Page Two

CHAPLAIN'S MESSAGE

Talks With **Teenagers**

By Fr. Joseph A. Costa, O.F.M. CAP.

Having fun on a date. Dating should be a time for wholesome fun. You may find that doing things for the first time with the other sex-going to movies, rollerskating, swimming, playing tennis—is quite different from doing them with your own sex. This difference in itself may be pleasant.

To have a good time on a date, you should not only enjoy doing it, you should also enjoy the memory of it. As adults know, being able to recall things you have done and to discuss them with other people is a great part of the enjoyment of them. If you saw a great-movie alone, and couldn't talk 'to anyone about it, it wouldn't be nearly as much fun as if you saw it with a group and could discuss it with them later.

Whether you have a good time tonight depends to a large extent, therefore, upon how you can look upon it tomorrow. Will you look back on what you are doing and talk about it to others without regret? Or will you feel ashamed or embarrassed for something you said or did? No matter how much excitement there seems to be at the time, if it is something you cannot discuss freely it obviously is not as enjoyable as it should be.

If you know in advance what you are going to do, you will avoid one of the greatest dangers of dating - boredom. If you are on a date and wondering what to do next, somebody may make a wild suggestion which proves to be a troublemaker. The boy should generally initiate the date. It is unwise for a girl to call unless she is asking for a boy to a somewhat formal affair.

You will usually have more fun if you go out with one or more couples. This is also what you will likely do as a married couple. It is always more enjoyable doing things in a group, and there is also less chance that your relationship will get to serious.

Incidentally, at dances and on other dates, don't "pair off" in a corner, away from the crowd. That is courting temptation too much, a girl's reputation won't stand many such incidents before she becomes known in a way that is not complimentary.

Showing of East Germany Film At All Faith Chapel Sunday Eve

"Question 7," a timely and tension-packed motion picture of conscience under test in East Germany will be seen here in a spe-cial showing Sunday evening at 7 o'clock in the All Faith Chapel. cial showing Sunday evening at 7 o'clock in the All Faith Chapel. The title "Question 7" refers

in East Germany public schools has been selected "best film of and explosives, (b) studies inter-relationships and explosives, (b) studies inter-relationships they can continue with advanced of Review. studies

•••Only those whose answers are chosen. Thus the question-dire chosen. aire becomes a supreme t e s t Prominent European actors for a boy who is forced to play roles in "Question 7," dichoose between what is easy rected by Emmy award winner and expedient and what is right Stuart Rosenberg, who directs and honorable.

The incidents depicted in sands of refugees who have "It is a motion picture which burg Gate.

Station Commande

"J." Bibby

Public Information Office

Jack G. Broward

Editorial Adviso

Richard Grueneberg

Budd Gott

Associate Editor Frederick L. Richards

Special Assignment

DEADLINES

The Rocketeer receives Armed Forces Pre-

Service material. All are official U.S. Navy

photos unless otherwise identified. Printed weekly with appropriated funds in compli-Office at 50 King St., Bldg. 00929. Phones-

10561 Ainr pasinay 'Sc-4 sox300N 411M and 71354, 71655, 72082.

News, Storie

Photographs.

are forced to answer before the year" by the National Board data in terms of product perfor The National Legion of De-

dramas. The film was produced ods to obtain the proper information for "Question 7" are true. They are based on interviews with thou-

methods of physical and chemical testing

evelops control test procedures for the man facture, of propellants, and explosives to b included in the "shelf-item" product, (d) pro vide physical and chemical testing services to the Propulsion Development Dept. and (e xercises both technical and administrati supervision of subordinate chemists, engi eers, math technicians; and test mechanics General Engineer, GS-801-13, Code 4531-The incombent will be responsible for the upervision and direction of one of the three

many of the nighttime television in the area of new and unique test meth-

systems. Will develop prototype experi-mental models and will technically direct the It was shot on location in ment. Will conduct seminars and classes fled to West Germany and hun- West Germany within sight of and prepare reports on new methods dreds more still remaining be-hind in East Germany. West Germany within sight of the East Zone guard towers and in Berlin before the Branden-with assignment. Will work as an in dependent research and development engineer with assignments being made on a broad scope in terms of results only. Electronic Engineer, General Engineer, or Physicist, GS-13, Code 4053—Design and an-

lest Facilities. Will lead and direct studies

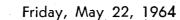
alysis of airborne and shipboard target ac quisition systems. Applicant must have experience in design of digital data handling systems, and automatic control systems. Clerk (DMT), GS-316-4, Code 4535-Perform

administrative and clerical duties for the Analysis Branch including transcribing from a Dictating Machine Transcriber; receiving visitors, distributing mail to the branch, typing correspondence and reports for the branch, maintaining Branch Head's schedule, and filing correspondence.

Engineering Draftsman (Mech.), GS-5 or GS-7, Code 4014—The incumbent has the responsibility for the presentation of Engin-eer's ideas in usable form. Provides layouts and designs from ideas supplied by various project engineers. File applications for above with Loua

Schneider, Bldg. 34, Rm. 26, Phone 71648. Deadline for filing is May 29. SUSPENSION NOTICE

Clerk-Typist, GS-2, \$3620 p/yr.-The Board of U.S. Civil Service Examiners, Eleventh Naval District, announces that the acceptance of applications for this position will be suspended on May 28 until further notice. Ap alications received after that date will not be accepted unless they are received by mail and bear a postmark on or before May 28. File applications with the Civil Service Representative, U.S. Naval Ordnance Test Station, China Lake, Calif., 93557. See or iginal announcement for further information





By "POP" LOFINCK

'DESERT PHILOSOPHER'

CARA C

Fraser and the

Yellow Aster

There's still gold in them that hills around here. What brought that up?

I was talking to Stewart Fraser in Randsburg. He is now caretaker of the famous Yellow Aster Mine near Randsburg-of which he was superintendent for many years when the mine was in operation.

Thirty million in gold was taken out of that hill when the price of gold was \$20 an ounce. Geologists and mining engineers estimate there is still \$15 million in that hill at the present price of gold-\$35 an ounce.

Mr. Fraser tells me that if gold went to \$70 an ounce today the Yellow Aster mining operation would just be breaking even, what with the cost of labor and steel in these times.

THE DREAM OF MINING MEN Mining men dream about the price of gold going to \$100 an ounce

For every big strike in the past there must be other rich deposits or glory holes yet undiscovered.

I read somewhere that there are about 1800 idle gold mines in California—mines, not prospect holes.

The Yellow Aster strike was discovered in 1895, by Charles Austin Burcham, ex-cattleman of San Bernardino; John Singleton. a carpenter and millwright, and Frederic M. M. Moores, a newspaperman.

"... TO GET IT OUT OF HIS SYSTEM"

Burcham's wife, Rose LaMonte Burcham, was a lady doctor in San Bernardino, who had agreed to grubstake her husband to two years' prospecting in the hopes that he might find a gold mine or get the prospecting out of his system.

She remained in San Bernardino — parcticing medicine and delivering babies in order to pay for the grubstake.

Burcham's two years were about up. Moores had left his family in the East, while he sought a fortune in the West, Singleton's fortunes couldn't have been lower.

They were all thoroughly discouraged and about to give up in a day or two when they made the great discovery of the Rand Mines --- so named after the famous South African group

- later changed to Yellow Aster.

That's the history of mining. Back to Stewart Fraser. He is a genuine desert character for 50 years now.

Fraser was born in Nova Scotia, November 11, 1883. His family moved to Rhode Island when he was 13 years of age.

An interesting anecdote is that his father, both his grandfathers, and most of his uncles and cousins, were seafaring people. When they got too old to go to sea they became shipbuilders.

GOLD AND WORK IS WHERE YOU FIND IT

"Stew" spent four years learning the machinist trade and steam engineering. In 1901, he went to sea from Providence, Rhode Island. In 1902 he came West to Los Angeles when he was 19. He was a mule skinner for a while and worked at other jobs. Then became a railroad type steam shovel operator. Rock ballast pits and railroad construction.

In 1905 when the Colorado River broke out and was flooding what is now Salton Sea - there was Fraser operating a steam shovel. Much of Imperial Valley is below sea level.

That was some project. It took all the engineering skill control and prevent Imperial Valley from becoming an inland sea again. That can't happen again because of the flood control dams and lakes along the Colorado River.

From there Fraser went to the Little Bear Valley Dam project, now known as Lake Arrowhead. While on this job the big earthquake and fire hit San Francisco. He went there and did well on cleanup contracts with horses and wagons.

In 1910 Fraser went to Central America with the United Fruit Company. Got malaria bad. To San Joaquin Valley. No good. Then he remembered how healthy the desert had been in 1905. So to Rand District in 1913. Got the malaria out of his system. Healthy and happy.

THE THEN AND NOW OF MINING

Randsburg has been his home ever since. He was constable for 16 years. Worked a lot of small mines of his own. One of his mines paid \$600 a month for years, he says. But to operate that mine today he'd end up \$1800 a month in the red. Fraser figures.

What a character!

It's not unusual to find retired seamen living in and loving the desert.

You people who are new to the Mojave and Indian Wells Valley should visit the Rand District. There are three towns close together, Randsburg, Johannesburg and Red Mountain, that never did quite die to become ghost towns. Three times they almost did and three times boomed back again. First gold, then silver, then tungsten.

They just refused to die.



Bob Corzine retained his championship in the Badminton singles event with a win over Bill Meline. Corzine teamed with Jack Russell to win the doubles championship from Meline and Leon Cunningham.

SHRIKES VOLLEYBALL CHAMPIONS The Shrike volleyball team won the Station Intramural championship with an undefeated season. Team members who will be presented trophies are: Joe Mosko, Bob Corzine, Charles May, Virgil Christenson, Dick Hughes, Bill Hughey and team captain Charles Turner. Congratulations for a job well done. Final volleyball standings are:

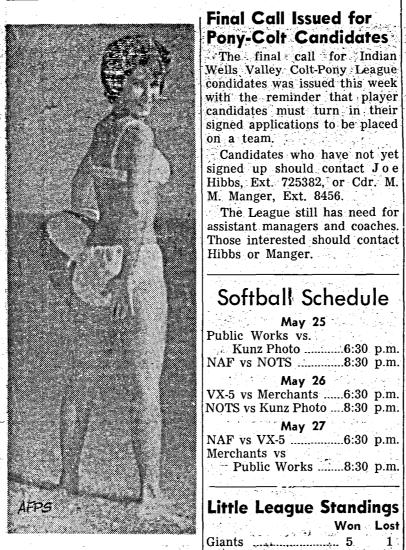
Team Shrike

Question Mar NAF Gold NAF Blue NOTS Div. 15 NOTS Officer NOTS Div. 4 Transfers Aces

:Central Staff. NOTS PROFILE OF DODGERS' BILL PARLIER Bill Parlier (NOTS' Rockets' outfielder 1961) . . . is high on the Dodgers' "future" list. Bill is a powerful switch-hitter who looks and swings like Mickey Mantle. Incidently, the Yankee bomber is also his idol. He has never seen him play a game other than on TV but he admits he has probably copied

Mickey's style.

-drove in 96 runs



at Corpus Christi.



otestants (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

o.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.r. Saturday. Thursday before First Friday-4 to 5:30 p.m.

NOTS Hebrew Services (East Wing All Faith Chapei)

Every first and third Friday, 8:15 p.m Initarian Fellowship (Parish Hall) Fellowship Meeting - Sundays, 7:30 p.m. Sunday School - 9:30 g.m.



ROCKETEER PROMOTIONAL

OPPORTUNITIES Clerk-Typist, GS-3, Code 704-The work i volves the pertormance of various clerical duties such as: Typing and Reports, Filing and Logging, etc. The incumbent types; work equests and job order status reports monthly or all jobs requested in Public Works by

ach department on Station. Fiscal Accounting Clerk, G3-5, Code 7019-This position is located in Reports and Sta-tistics Br., Administrative Div., Public Works Dept. The purpose of the duties are to pro vide assistance in preparation and execution of the budget; maintaining control of al funds under the administrative cognizanc of the Public Works Dept.; initiates, conso dates and prepares the Public Works De partment's Work Measurement Program Re

File applications for above with Dor Childers, Bldg. 34, Rm. 32, Phone 71393, 72032.

her) or Secretary (DMT GS-318-5, Code 3512, PD 435039-Incumber acts as personal secretary to Branch Hea other administrative suppo o the Branch Office.

File applications for above with Bett Fowler, Bldg. 34, Rm. 34, Phone 71514. Mechanical or Industrial Engineer, GS-11, PD 155025-1, Code 5564-The incumbent performs a comprehensive technical review drawings, sketches and related documen complete Ordnance end-prod

mat, content, quality, etc. Clerk-Typist, GS-4, PD 455017, Code 5524-Incumbent types a variety of formal and informal technical reports, correspondence, statistical tabulations, and memorandums. eceives telephone and personal callers, give

information regarding status reports, format of information required by contractors, makes avel arrangements, etc. Electronic Instrument Mechanic, Code 55-

Inspects, tests, repairs, modifies, adjusts, calibrates, and installs all types of elecequipment such as audio oscillators signal generators, wave analyzers, oscillo-graphs, thermistor bridges, vacuum tube volt signal ters, video amplifiers, electronic switches

applications for above with Dorg File hilders, Bldg. 34, Rm. 32, Phone 71393, 2032

(Printed - Medie), GS-1082-9, PD Edito **375006, Code 7516**—The position is that of Head, Copyediting and Proofreading Br., Publishing Div. Incumbent administers the Branch; performs editing, copyediting, and occasional proofreading; trains newseditors assigned to the Editorial Branch, etc.; research the literature for background neces-sary to decide questions of style, format, etc. Budget Analyst, GS-560-7 or 9 (1. vacancy),

Code 173-Incumbent will perform duties as an analyst for providing staff budget supan analyst for providing statt budget sup-port for two or more of the Station's more complex support departments. Assists in interpretation of bureau guidelines and re-commends guidelines far support departments. Reviews and analyzes the estimates received from the assigned departments, and submits the evaluation and recommendations to his File applications for above with Jan

ranch (a) initiates, develops and validates

dealing with complete Ordnance end-prod ucts; establishes standardization of drawings

Friday, May 22, 1964

ROCKETEER

Page Seven



By CHUCK MANGOLD

PHIL SPRANKLE TABLE TENNIS CHAMP

Phil Sprankle won the Station singles Table Tennis tournament in a hard fought contest from Roy Gerard, Frank Leuder and Mel Attaway won the doubles event from Warren stump and "Whitey" Garrett. Twenty-four players participated in the Table Tennis tournament.

						Won	Lost
						10	0
ks				 s .	· -	10	. 1
	۰ ۰ .	s.			,	9	2
							. 2
				 	••••••	6	· · · · ·
				 ••••••			. 5
a			· · · ·	 ·····	••••••		5
••••••		· .		 •••••		5	
		······	•	 •••••		4	. 9 0
		•••••••••		 •••••		2	· .:: 9
•				 		1	. 9
				 		0	- 11

In his first pro year at Santa Barbara, Bill hit two dozen home runs and took up where he left off in the Arizona Instructional League during the winter.

He played three years for Mojave High and then his family moved to Lynwood where Kenny Myers signed him to a Dodger contract. Bill was All-League throughout his scholastic career and also starred in football. He had offers from USC, Washington and Arizona State for football scholarships but baseball was his choice. Three two-homer nights at Santa Barbara highlighted his first pro year when he batted .275 and

The final call for Indian

Candidates who have not vet

The League still has need for

Those interested should contact

Softball Schedule

May 25

May 26

May 27

Public Works8:30 p.m

Won

te parline 4

3

. 2

Tigers ...

Red Sox

Dodgers .

Pirates

..6:30 p.m.

.6:30 p.m.

M. Manger, Ext. 8456

Kunz Photo

BEACH BEAUTY - Donna Mixon of Texas enjoys a moment in the sun on the beach





MARV GRISSOM Angel Coach To Be at Season Opener Ceremony

Swim Meet Slated At 'O' Club Pool Saturday Morning

The Indian Wells Valley Swim Team will host the Oildale Aqua Aces and the Bakersfield Blue Fins at a Tri-Meet tomorrow at the Officers Club pool starting at 9:15 a.m.

The meet calls for a total of 50 races with five age groups for both boys and girls. Two entries per race will be allowed by participating teams.

Seventy-two boys and girls from 6 to 17 years of age will represent the Indian Wells Valley swim team in the meet.

First, second and their place ribbons will be awarded for each race.

A perpetual trophy, presently held by the Bakersfield Blue Fins, will be awarded to the high point team.

Meet is sponsored by the Indian Wells Valley Recreation Council and the Indian Wells Valley Parents Group.



DAN OSINSKI Pitcher To Be Guest Of Honor Here, Too



DIANE BOYACK Little League Queen to **Reign Over Festivities**

L. A. Angels' Pitcher, Coach Will Be Here

China Lake's Little League and Pony-Colt Leagues open their 13th season of play here next Thursday with a rousing program that includes band music, dignitaries and a parade of players.

Here to participate in the evening's frolic, scheduled to start at 7 p.m. at Schoeffel Field, will be Los Angeles Angels pitcher Danny Osinski and pitching coach Marvin Grissom.

A banquet at the Executive Dining Room is to be held before the start of festivities.

Band Starts Activities

The musical tempo of the Burroughs High School band will sound the downbeat for the field activites.

Introduction of league officials, Cdr. Hal Byrd, president of the Colt-Pony Leagues, and Jim McGlothlin, president of the Little League, in addition to the dignitaries and special guests are included in the program.

One of the highlights of the evening is scheduled to be the parade of players onto the diamond

More than 450 youngsters are engaged in the 20 Little League, six Pony and four Colt league teams this year.

Reigning over the activities will be Diane Boyack, "Miss Little League" of 1964. Leroy Jackson, Community Relations Officer for the Station, is to serve as Master-of-Ceremonies for the evening.

Colors are to be posted by the China Lake Civil Air Patrol Color Guard.~

Exhibition innings of play will conclude the program.

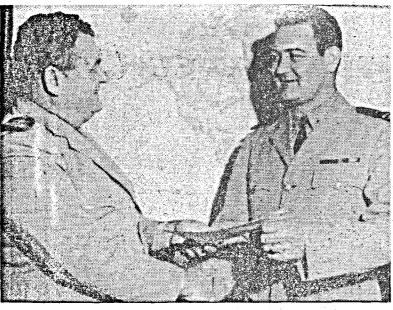


11ND SENIOR GOLF Tournament trophies were presented by Chuck Mangold (left), Recreation Director, last Thursday at China Lake Golf Club. Winners were (I-r) Don Fraser,

PNC, and Capt. B. L. McCreery for low gross team score, and to Cdr. M. Dushlek and Capt. F. Hale of Long Beach Naval Station, for low net.

Page Six 👘

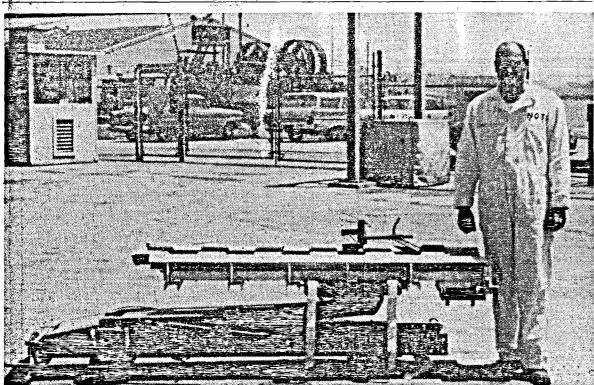
Friday, May 22, 1964



LCDR. O. F. RAPELYEA, Operations Officer, (left) pins new shoulder boards with an additional 1/2 stripe on newly promoted Lt. (jg) W. E. Lowe, Assistant to the Operations Officer. Lt. (jg) Lowe received his recruit training in San Diego in 1952. He graduated from Limited Duty Orientation Course of the Officer Candidate School in Newport, Rhode Island, in February 1963, and reported to NOTS, March 1963, from Antarctica duty.

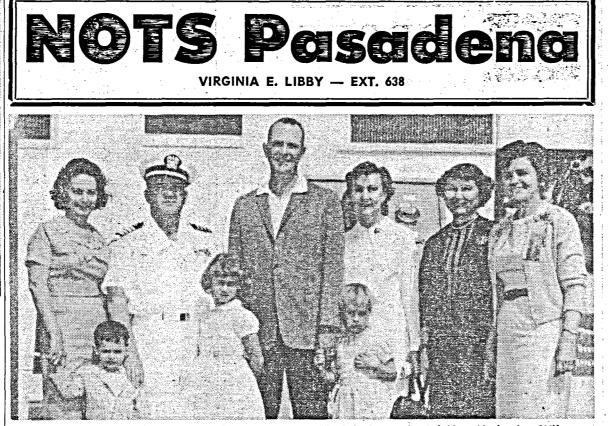


GERRIT DEVRIES, Metallurgist in Materials and Mechanical Engineering Branch, Product Engineering Division (left), receives congratulations from Division Head, J. H. Jennison, on receiving a Superior Accomplishment Award (Patent Holding) for invention disclosure "Ordnance Cylindrical-Section Joint." This is the second such award for Gerrit, his first received in February 1963. Associated with NOTS for 15 years, he presently conducts exploratory and foundational research investigations on metallurgical processes and provides technical data on material specifications. Throughout his career he has authored many technical articles published in magazines.



AN INNOVATION in shipboard torpedo loading is proving invaluable to NOTS, thanks to a Beneficial Suggestion submitted by Jack Harris, Ordnance Technician in the Sea Range Section, shown with his equipment. An award

of \$125 was presented to Jack for his idea which is used for loading torpedoes into MK 32 torpedo tubes. Previously, this had to be done with a crude boat davit or accomplished by hand, requiring the services of six men.



OFFICER IN CHARGE, Captain G. H. Lowe, Mrs. Lowe, and children—Gary and Linda (shown left), and Carney Kraemer, Public Information Officer, welcome Captain E. I. Malone, Officer in Charge from July 1961 to August 1963, Mrs. Malone, and daughter-

Virginia (center), and Mrs. Katherine Wilson, Pasadena Postmaster (second from right), as they arrive to view the Open House Day exhibits. Capt. Malone is currently in command of the USS Passumsic (AO 107) based at Long Beach.

Personnel Lauded For Job Well Done

Our first Armed Forces Day Open House here at NOTS, Pasadena Annex was a huge success. This success was due in large measure to your splendid cooperation, honest and sincere efforts, and interest in providing the public and your families with an outstanding display of the products of your daily endeavor. You were hosts to 4,075 visitors, all of whom enjoyed your hospitality and were duly impressed by the contributions of your laboratory to the Navy's Science for Defense.

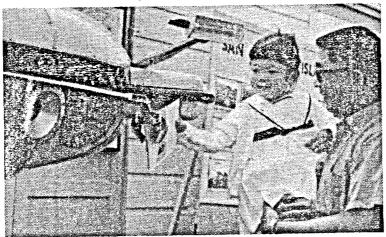
My heartiest congratulations and sincere gratitude go to each and every member of the NOTS, Pasadena Annex team. Your performance was in keeping with the highest traditions of the Navy and once again was a sure indication that our Navy Science for Defense programs are in extremely capable hands.

Commander W. M. Place Armed Forces Day

Project Officer



SPECIAL ATTRACTION — Hunter killer task group unit for anti-submarine warfare, helicopter SH-3A and torpedo payload. The twin jet helo was flown in by Helicopter Squadron HS-4, from the Naval Auxiliary Air Station, Ream Field, Imperial Beach, California. Visitors were allowed to view the inside of the big bird.



SANDY FEEDS DENISE - Since "don't feed the exhibits" signs were not posted, Sandy Quong, held by father, tries the digestion of the scale model of Denise, the French diving saucer, by feeding a NOTS program to its claw-like arm, normally used for retrieving items from the ocean depths. Sandy is the daughter of ex-NOTS employees, Fumiye and Harry Quong, presently of Costa Mesa.

Dance is Huge Success

By Bob Simeral judged one of the best in the tle. history of NOTS Pasadena. Held at the Glendora Palms last Friday, the colorful affair was bulging with people as the bulging with people as the

door prizes took place. Contest winners were: Mr. and Mrs. Bob Grau, Fox Trot first prize; Mr. and Mrs. Pete Sincere thanks is expressed Pino, Fox Trot second prize; by dance chairman Hal. Wilhite Mr. and Mrs. Herman Torkelson, for the assistance of committee Twist first prize; and Bob members and others who aided Bastedo and Mrs. Dave Hamil- in publicity, arranging for door

prize winners received two bot-With the attendance of 375 tles of champagne, while second persons, the Spring Dance was prize winners received one bot-

Door prizes were won by: Mr. dance contest and drawing for Mrs. George Lindsuy, and Mrs. dance Contest and drawing for Mrs. D. A. Kunz, Mr. and Mrs. Hal Smith, and Mr. and Mrs. Earnest Hardin.

ton, Twist second prize. First prizes and many other details,



Many Exhibits . . .

presented, all keyed to the theme of weapons research and development. Focal point of the array was a giant, "Twenty Years of Progress" display board that traced the weapons development programs here since 1943.

One of the day's highlights was provided by personnel of the SNORT range with the closing event of the day. A live test firing hurtled the

sonic speed spewing a plume of fire in its wake. The termination was marked with the detonation of a planted charge at the far end of the track. ed nearly two thousand spectators through the Station gates through the day, a crowd that was multiplied by Station residents, many of whom were viewing the intracacies of NOTS programs for the first time.

house spirit of the Station was host to more than 300 visitors.



Type

Panamint (3) Hill Duplex (3) Normac Dupley Normac Duplex Old Duplex (3) Old Duplex (2) Old Duplex (2) Wherry (3) Wherry (2) Normac (3) Normac (2) Hawthorne (3) Hawthorne (2) Hawthorne (1) Letourneau (2) Apartment (2)

Armed Forces Day Thrills Thousands Here

to mark end of run.

(Continued from Page 1)

sled down the track at super-Security Department register-

Participating in the open Maturango Museum, which was



STRAW HATTED AGAINST THE SUN, daddy points out a drone for two youngsters enjoying the open-house activities



DISPLAY OF NOTS — Developed missiles and other ordnance was of special interest to

new visitors to the Station. More exhibits were provided inside Michelson Lab.



"This action will reduce the amount of pretection under the policy," she observed, "but it does leave the policy in force.

But if the veteran surrenders the policy for cash, all protection ceases and cannot be renewed or reinstaated."

Mrs. Cox said annual interest on GI policy loans is charged at 4 per cent on the unpaid balance. If not paid, it is added to the loan principal and begins to Research Man draw interest.

Repayment of the principal on Authors Tech the loan may be made in amounts of \$5 or any multiple Book on Metals thereof, she explains, and at any time before default in payment of premiums.

Other information on veterans ment, is one of the authors of insurance problems can be had a 220-page book "High Velocity in Ridgecrest, FR 8-3231.

at the Kern County Service Of Forming Metals," recently pubfice at 236 W. Ridgecrest Blvd., lished by Prentice-Hall.

The book was prepared at the request of the American Society of Tool and Manufacturing Engineers.

John Pearson, Head of the

Detonation Physics Group of

the Station's Research Depart-

JOHN PEARSON

It presents a concise treatment of theory, mathematics, and equipment design.

In addition, the book outlines the application of the four major types of velocity forming: explosive fabrication, electro-hydraulic forming, magneticpulse forming, and pneumaticmechanical forging.

Pearson is also the co-author f two other books, "Behavior of Metals Under Impulsive-Loads," published by the American Society for Metals," 1954, which was also translated into Russian, and "Explosive Working of Metals," published by Pergamon Press - MacMillan, 963

IGNMENTS s reached	ÁPRIL	Farr in Barracks F
ing Priority Group	Hiral Date or Date of Rank	San Diego, Calif. — It was Farr, not fire, that sent North Island's alert and ready firemen roaring into action. R. W. Farr, SA, on duty in Barracks F, called his 9 o'clock
CB	6-10-62	report to the duty master-at-arms in another building.
CA		
SD	6- 6 - 54	
None	· · · · ·	"I said Farrier Farr in Barracks F "

'l said Farr: . . Farr in Barracks F. . . . " That was all the duty MAA waited for. He quickly grabbed another phone, dialed 333, and sent fire trucks, and ambulance and the OOD speeding to the scene.

Unsuspecting Farr, steadily maintaining his watch in Barracks F. was soon faced with an asbestos-clad fireman bearing down on him with a water-filled hose in hand. "Where's the fire?"

"I'm Farr . . ."

The fire department got an unexpected workout. Farr got transferred to the Lucky Bag. (The North Islander) (NAV-NEWS.)

HOUSING ASSI LEVELS Housi

	CB		6-10-62
) x (3)	CA		7-5-51
x (3)	SD	····	6-6-54
x (2)	None	、 、	·· •
)	None		
x (2))) (LBP))	SH .		2-5-64
)	CG		2-13-63
			6-1-6
			3-16-64
a the second	CI		6-25-52
	SK		3-18-64
	ČΙ		9-26-62
· · · · · · · · · · · · · · · · · · ·	SK		3-18-64
)			
	CV		

of education,

ment Department.

the ancient Greeks.

the classroom work.

seven years.

easily distracted."

sibilities.

is required."

is wasted.

one today?

challenge.

sional ambition.

The Female Outlook

of the scientific structure of our

Elizabeth Stevens, 17, a Bur-

roughs senior and editor of the

she and her sister students face

on-the-job experience in techni-

Ordnance Test Station, accord-

Division for Weapons Develop-

Traced Back to Greeks

participation in the local pro-

this form of learning back to

She points out that the English engineering education sys-

tem has always consisted of six

months in a local industry,

The program at China Lake

sity of work conducted and its

Active in the WEP since its

had the chance to observe stu-

dents working in the program

She's impressed with our cur-

rent teen-aged generation.

dent instruction, she adds.

As the coordinator for the Research Society of America's

د. اوم از این دیدها <u>م</u>یدمواده این ایکاناکه اینکامی ر

CNO Urges All To Exercise Their **Vote Franchise**

Following is a message from Adm. David L. McDonald, Chief of Naval Operations:

"As members of the military establishment, we in uniform make a continuing and special contribution to guarantee our way of life. Further, as tax paying citizens, we share the obligation of all Americans to participate in our government by voting.

"To often we fail to respond n this respect. How an individual votes is his own business and I certainly have no intention of interfering or even suggesting. I do, however, wish to emphasize the importance of exercising your franchise by pointing out that this is the one way in which each citizen civilian or military — can make his voice heard.

"It is my desire that the commanding officer of every ship, station and unit in our Navy leave no stone unturned to insure that each individual knows exactly what he or she must do in order to vote at the appropriate time.

"All ships, stations and units will make special entries on 30 Sept. 1964 on the officer and enlisted personnel diaries that such instruction has been completed."

Adm. David L. McDonald, USN Chief of Naval Operations

onnel who contributed to the recent Federal Service Joint Crusade was received from John Sloan of the Los Angeles FSJC headquarters in a letter ad-dressed to Capt. Charles Blen-

"This letter is to thank you and your personnel for your recent contribution of \$2155.97 to he Federal Service Joint Crusade agencies - helping make it possible for them to provide food, news and other urgently needed services and supplies to millions of needy and grateful men, women and children throughout the world. Your total number of contributors was 820. "Breakdown of 1964 contributions, as reported by the Secur-

Ľ	/110 (6 5 6	
	CARE\$	756.21
	Radio Free Europe	533.41
	American Korean	· .
	Foundation	369.07
	HOPE	497.28

			-		
	Total		 	\$21	55. 97
		greatly			
ι		in mal			
		ful Joir			

Sincerely,

JOHN SLOAN.

second term on the board. Bjorn Staib, a former Nor-H. L. Bagge, Jr., last season's wegian army ski trooper, will "I think though, that there of their constant contact with tive of Aetna Insurance Co., Oak- ticket manager; Marvin Back- head the group, sponsored by land, will be at the Community man, Mrs. David Chapman, Mrs. the U. S. Army, Navy, Air Force Center on Monday and Tuesday, Robert Millett, and Robert and the National Geographic



Tell of Vast Opportunities In

VOCATIONAL STUDENT Danny Jockisch (right) is gaining work experience in Station's doing things coordinated with Engineering Department, working under su-the classroom work.

is unique because of the diver. NOTS, Elizabeth feels that the job experience and "working usefulness in accomodating stuwith adults at professional levels" will help her develop a establishment, Dr. Rogers has ahead. more specific ambition in life

Elizabeth is the daughter of at close range during the past Mr. and Mrs. Lewis A. Stevens, 405 Norma in Ridgecrest. Program Expands

The job experience offered "These young people have a students in this year's program broader knowledge of mathe- ranges from refined sciences. matical and scientific back- such as LASER work being congrounds than my generation did. ducted here, through adminis-They've been brought up in an trative areas involving analog environment of tension, but hu- and digital computer programs man beings are resilient. They and includes for the first time have the keenness and eager- in its seven year history, vocaness to tackle today's complex tional work.

problems facing us that our Twenty-three NOTS perancestors had in facing theirs." sonnel, acting as sponsors to Noting that the current class the students, are engaged in the of student has 10 girls enrolled, process of helping the teen-Dr. Rogers observed that they agers again on-the-job experihave the same ability in the ence.

sciences as boys and, in fact The sponsors include Mrs. C. "at the high school age, many J. Kruse, W. E. Davis, William exceed their male counterparts, Clelland, Dr. Wayne Carpenter, probably because they are less Mrs. Jo Ann Milburn, Russell Huse, Mrs. B. A. Fouse, Robert Glen, Miss Gisela Ritter, G. E. She acknowledged the high Blackshaw, Dr. Carl Heller, Don attrition rate in female science Moore, Bel Frisbee, F. Barney, students, primarily because of Thelma St. George, Melvin social pitfalls; marriage, moth- Keith, Joe Adler, J. Cashore, hood and its incumbent respon- K. Barnett, Earl Shaw, L. Limuti, J. D. Trigg, Fielding Davis, T. "It takes real scientific inter- Boyd, Jim Randolph, E. Hogue. est to stick it out and, if the Burroughs High School Prin- continued. girl is married, an even higher cipal Kenneth W. Westcott, comtional contribution to the stu- also has faults. Noting that "too few" of the dents involved.

scientifically trained females al career, Dr. Rogers, the ing for me to witness the in- officials, turned up no com- rectors. mother of five, adds, "This creasing interest in the Work plaints. does not mean that the training Experience Program from year to year.

"A keen awareness is needed No Criticism From Parents civilization on the part of every- | first to let me know, generally, al programs displeases them.

student newspaper, the Block- criticism of the Work Experibuster, regards the slim chances ence Program!" he adds. Scientists, administrators and

tradesman are gaining equal for professional success as a benefits from their daily associa-Assigned to the supervision of tion with high schoolers. Frank Barney, head of the Pro-

One official phrased it this pulsion Development Depart- | way: "It has been pointed out that ment staff, Elizabeth isn't sure

at this point about her profes- college professors seldom grow old. This is obviously because are more opportunities for to- young minds and the eager, day's teenagers than ever be- youthful point of view."

ADMINISTRATIVE field offered Susan Campbell a wealth of experience working under supervision of William E. Davis, Aviation Ordnance Department, gaged in this program gets a first-hand viewpoint in the de-

Navy officials are proud of the East Wing of the All-Faith paign." association. Program sponsors Chapel at China Lake at 7:30 "Significantly, parents are the are benefitting their profession. p.m. The sole complaint - if it

when an area of our education can be called that - comes from the unlucky student not "I have yet to receive any enrolled in the program.

> gress, after seven years, there | tion, he said. might be room for him, too, sometime in the future.

Aetna Insurance Rep.

Here Monday, Tuesday

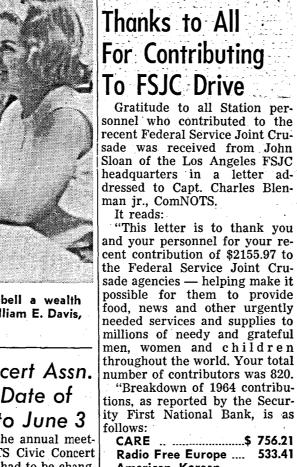
Howard Keenan, representafore." Like her classmates en- The adult professional en- May 25-26, 9 a.m. to 4:30 p.m. Sewell are the other nominees. Society.

Meeting to June 3

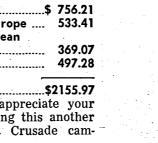
ed from Tuesday, May 26, 1

Purpose of the meeting will

and Freefall.



rt	Radio Free Europe	533
g-	American Korean	· .
to	Foundation	369
to		497
nt		





Washington (AFPS)-A group

Bruce Wertenberger, co-chair- of 11 men plan to cross the man of last season's sales cam- North Pole on skis. paign, and Mrs. James Wiseman, The group, with 100 dogs, secretary of the board and plans to cross from Canada to Searles Valley representative, Europe, traveling between 1,100 have been nominated to serve and 1,500 miles.

velopment of those who will Civic Concert Assn. someday succeed him in his professional role, the official Changes Date of With such widespread praise The date of degree of dedication on the menting on the program, prais- offered in support of the pro- ing of the NOTS Civic Concer part of both husband and wife ed its values in terms of educa- gram, one might suspect that it Association has had to be chan

STUDENT PETE DIETRICHSON, working un-

der supervision of Public Works' John Bacoch,

Jr,. gains experience in heavy duty automotive

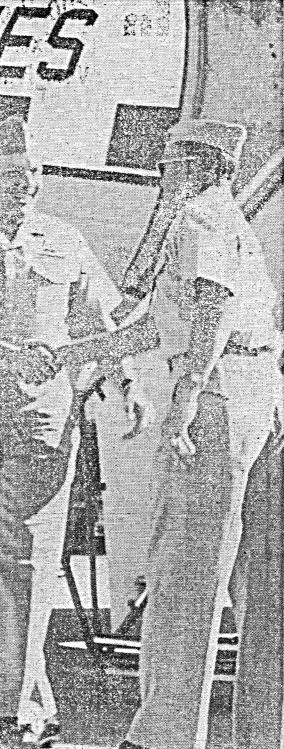
repair as part of his training.

Interviews with all of the pro- Wednesday June 3, according to "Beyond this immediate bene- gram's students, in addition to Kenneth W. Heyhoe, president

are able to pursue a profession- | fit, however, it has been gratify- | the adult sponsors and program | of the Association's board of di-Place and time of the meet-School officials are delighted. ing remain the same - the su

be to elect four new directors to the board of directors, hear Norwegian Skiers Plan At its present rate of pro- change the name of the Associa- To Cross North Pole

Friday, May 22, 1964



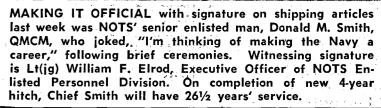
BRIG. GEN. L. W. Walt, USMC, Director of the Marine Corps Landing Force Development Center, Quantico, Va., gets a hearty greeting from Lt. Col. D. L. Ritter, USMC Liaison Officer here, as he arrives for series of conferences on NOTS programs including Walleye, Redeye, BomRoc, Chaparral

ROCKETEER Page Fiv**e** Highlights Pictorial POLICE DEPT

GRADUATES of Kern County Sheriff's Academy was boosted to nine with the return to duties here recently of trio of Station Security officers, John W. Cathey, Ancel B. Adams and Navy man George F. Tyree. Graduates are, (front row, I-to-r) Officers Ervin J. Roy, George W. Newman, Cathey, Tyree, Charles R. Fugate and Adams. Security Office LCdr. R. C. Clasen (second row, far left) and Police Chief Val A. Cummins (far right), flank detectives John Dowd, Kermit L. Beaver and Aaron C. Jones, also graduates of the 8-week course at Bakersfield.

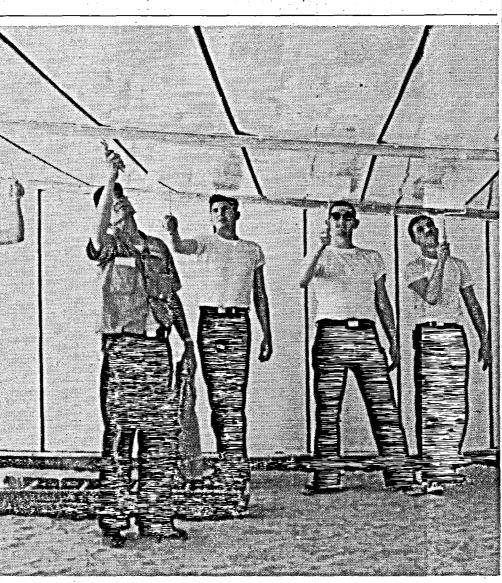
'May Make It Career!'







REFUND CHECK to the Station in the amount of \$35,815.02 is presented by Wm. B. Stephens Jr., local manager of Pacific Gas and Electric Co., to Capt. Charles Blenman Jr., ComNOTS, as Gordon Draper, Assoc. Head of Staff for Finance, watches. This and other refunds were issued by the supplier, El Paso, Texas, Natural Gas Co. Pacific Gas and Electric Co. distributed them to their customers.



NAVY EXCHANGE CHILD CARE Center's new metal windbreak and sun shade gets a basic coat of paint by Robert Daniel, AA; E. A. Stanley, AK3; Garland Erwin, ADJAN; James Remick, AKAN, and G. A. Whiddon, AK1, who have devoted many volunteer hours to sprucing up the play area for the young-

sters. Others who helped paint were C. J. Taylor, AKAN; D. A. Doench, AKAN; D. D. Olstead, AA; and D. L. Hampton, AA. Structural work was done by J. B. Simmons, AMST; J. T. Bartlett, AMS3, and S. P. Knutson, AMSAN.