

CROSSWORD PUZZLE

Crossword puzzle grid with clues for Across and Down. Includes a small grid for 'Answer to Previous Puzzle'.

SHOWBOAT

THURSDAY-FRIDAY MARCH 17-18 'THE 2ND BEST SECRET AGENT IN THE WHOLE WIDE WORLD' (93 Min.) Tom Adams, Veronica Hurst 7 p.m.

'Theatre 27' Players To Devour One-Act Trio in Arena at BHS

The modern "arena" style of stage-audience arrangement is the mold into which the Theatre 27 group of Bakersfield College's Desert Division will cast its program of three one-act plays...

World Famous Zoritch Conducts Ballet Class

A select group of China Lake Ballet Society students benefited last weekend when the internationally famous George Zoritch conducted classes here for the intermediate and advanced students of this organization.



GEORGE ZORITCH

These students were indeed fortunate since Zoritch does not teach children under the age of 12 years in his own studio in West Hollywood.

Fame and glory have been synonymous with Zoritch's career, almost from the beginning. A premier danseur noble known throughout the world, he has starred in major ballet companies here and abroad, appeared in movies, on television and on Broadway.

He has long projected that glamour, nobility, and sense of tradition that earmarked the stars of his generation.

Now he joins the distinguished roster of those performing artists who have transferred their brilliance to the teaching field. During the past few years, Zoritch has become a favorite teacher and choreographer for regional ballet companies and schools throughout the country, also dancing with them as guest artist on occasion.

A perpetual student himself, as all dancers must be, he has studied with the visiting Russian ballet companies, whenever possible, in the U.S. or in Europe — both with the Kirov Co. from Leningrad, under Konstantin Sergeyev, and the Bolshoi Co. from Moscow, under Asaf Messerer.

Zoritch was accompanied here by his director Ashe King, and was welcomed by Mrs. J. Elliott Fox, Chairman of the China Lake Ballet Society. Zoritch believes that "It is

not one's talent alone but the complete sacrifice to discipline that makes the better dancer. The discipline received in ballet training usually reflects in courtesy and respect. It can halt the use of bad language and improper manners in public."

He admires the serious students of today and hopes the future holds more opportunity for them than the present seems to offer. He has great respect for the interest shown by Mrs. Jacqueline Kennedy which gave a spark of real hope to the world of dance. "One can only wish devoutly that it may still be realized."

Always be prompt with appointments so you can rest up while waiting for the other person.

Burros Win . . .

(Continued from Page 7)

the score 6-2 in favor of Burroughs.

In the fourth inning Burros brought Spurgeon, Hibbs, Manger and Franich across the plate. The hitters were Manger, Bittle and Machowsky. In the bottom of the fourth, Quartz Hill scored two runs on a hit.

BHS held the Rebels at bay in the bottom of the fifth after having added three more runs to their score making it 13-4, in their favor, with Stoner, Spurgeon and Pinto scoring.

The Burros ended the game as they scored three more runs on two hits in the seventh. Hibbs and John Franich and Albert Hyles scored giving Burroughs High School a two to one record for the tournament. Today at 3 p.m. they will play Kennedy High School at Barstow and tomorrow at 5 p.m. will play Trona High School at Schoeffel Field.

China Lake Ski Club Annual Party Thursday

The China Lake Ski Club will celebrate its Twentieth Anniversary with a party on Thursday, March 24, in Conference Room D of the Community Center.

The Tempos will provide music for dancing beginning at 8:30 said Jim Diebold, 1st Vice President and Social Chairman.

BOWLING NEWS

By Dick Stine Phone FR 5-5411

Premier League

The team members of Laura Scudders led by Jack Miner's fine 234 game recorded 875-960-906 games for a fine 2741 series. The hot shooter for the night was George Barker as he recorded beautiful 209-209-212 games for a fine 630 series. Other 600 series were bowled by Earl Roby, 626, and Hal Bailey, who got the first 603 series in his life.

24 CLUB

The team members of Cornelius Shoe Store, led by Carol Rorex's 187-177-182 games for a 546 series, recorded a 669 game and a 1948 series. Terri Manis of the Jelly Rolls rolled a 195 game. Cornelius Shoe Store is in first place by one game with the Jelly Rolls in 2nd and the Unpredictables in 3rd place.

Midway League

The team members of CPO recorded a 892 game and a 2539 series. The hot shooters for the night were Jack Miner, as he bowled a very fine 253 game, and John Ito, as he recorded an excellent 631 series. The Chillers took three games from NOLOS and the Playboys won three games for a first place tie to challenge NOLOS, with the Chillers in 3rd place just two and one-half games behind.

Coso Is Goal Of Field Trip

Dr. Carl Austin will lead a field trip of the Maturango Museum on Sunday, March 27, for members of the Museum or anyone joining or renewing their membership before that day.

An authority on thermal geology, Dr. Austin will take a convoy to Coso Hot Springs. The event is a traditional one for the Museum. Details of time and place of meeting for the trip will be announced soon.

Form with fields for 'From', 'TO', and 'PLACE STAMP HERE'.



DR. WM. B. MCLEAN

McLean To Relate Deepsea Studies At AAUW Meeting

Dr. William McLean, Technical Director of NOTS, will be the featured speaker at the general meeting of the American Association of University Women, Tuesday, March 22nd in Room "C" of the Community Center at 8:30 p.m.

Dr. McLean will speak on NOTS - developed underwater research vehicles and present the film "Footprints in The Sea," a color movie report of a submersible diving operation conducted off San Clemente Island in December 1964. Four submersibles are described and shown.

The public is invited to attend.

NOTS Is Seen As Info System At ASPA Meet

'Through the Line' is the name for a description of the Station as an information system, and four panelists will delve into that subject at a luncheon meeting of the American Society for Public Administration next Friday, March 25.

The 11:30 meeting of ASPA's China Lake Chapter will convene in the Mojave Room of the Officers Club to hear H. G. Wilson, Associate Technical Director; R. W. Bjorklund, Head of Central Staff; H. E. Tillitt, Associate Head of Code 30 for Development; and J. L. Cox, Code 55 head and Assistant Technical Director for Engineering. These men gave a presentation on the subject of information systems and communication at NOTS to the recent statewide ASPA conference in Fresno.

Topics to be examined by the panelists include the needs of management in steering the system, and storage of its information output for future retrieval.

All interested persons, as well as members of ASPA, are invited to attend.

Aetna Agent To Be At Community Center

Howard Keenan, representative of the Aetna Insurance Co., will be at the Community Center on the following dates: Thursday, Mar. 24, from 9 a.m. to 4:30 p.m., and on Friday, Mar. 25, from 9 a.m. to 3 p.m., according to Austin Ross, Head of Employee-Management Relations.

ROCKETEER FROM UNDER THE SEA TO THE STARS Vol. XXI, No. 11 Naval Ordnance Test Station, China Lake, California Fri., Mar. 18, 1966



NAVY'S YOUNGEST REAR ADMIRAL — Elmo R. (Bud) Zumwalt Jr., 44, the youngest rear admiral in the history of the Navy, poses with his father, Elmo R. Zumwalt, the Station Hospital's industrial medical officer, during reception held at 'O' Club. RADM. Zumwalt is the second family member to see service. Zumwalt Sr. was an Army lieutenant in WW I and a colonel in WW II.

Special Cachet Honors Centennial of Havilah

Kern County Centennial Chairman George Day announced last week a special cachet commemorating the 100th anniversary of Havilah, first county seat.

Design of the memorial cachet, authorized by postal authorities in Washington, includes a sketch of the fantastic founder of Havilah, Asbury Harpending, whose exploits in the Civil War and early banking in San Francisco led him to make and lose several fortunes of millions of dollars.

John E. Loustalot, Kern postmaster, stated that the cachet may be obtained by sending self-addressed, stamped envelopes to Mrs. Cleone Shaw, Havilah Centennial Group, Inc., P. O. Box 32, Bodfish. The cachet is 2 by 3 inches and will require envelopes of sufficient size to permit affixing the cachet without interfering with postal regulations.

One-hundredth anniversary of the founding of Havilah will be observed on April 1, 2 and 3 with a variety of events re-creating the history of the town that once was the largest,

most prosperous center of trade and industry in the county.

A main stagecoach stop on the way from Visalia to Los Angeles, the town boasted hotels, numerous saloons and dance halls, livery stables and corrals as well as stamp mills to process the ores from the nearby mines.

Kern County's first newspaper "The Havilah Courier" ultimately moved to Bakersfield to become the present-day "Bakersfield Californian." The colorful history of Havilah continued through prohibition days when it was the site of many stills and hidden caches of liquor to supply the thirsty needs of Central California. A fire in the 1920's and several disastrous floods wiped out most of the remains of old Havilah.

To mark the centennial, volunteers have constructed a replica of the court house that once housed the seat of Kern County until it was removed to Bakersfield in 1874. Dedication of the replica will be the featured event of the 100th anniversary celebration.

Reorganization Plan Approved By McNamara

A proposal to reorganize the Department of the Navy has been approved by Secretary of Defense Robert S. McNamara.

Proposed by Secretary of the Navy Paul H. Nitze, the reorganization . . . will increase the breadth of authority and responsibility of the Chief of Naval Operations under the continuing direction of the Secretary of the Navy and will strengthen the management of the Navy's material support organization."

Principal elements of the plan will place Navy's material, medical and dental personnel supporting organizations under command of CNO; reconstitute Naval Material Support Establishment as Naval Material Command; and restructure components of the new command into six functional commands: Systems for Air, Ship, Electronic, Ordnance and Supply, and Facilities Engineering Command.

The reorganization will not affect internal organization of the Marine Corps.

Procedure for the reorganization will be identical to that used in the 1962 reorganization of the Department of the Army. This refinement of the Navy is the result of a long study and, if Congress concurs, will become effective May 1, 1966.



DESERT BEAUTY CROWNED—We shouldn't say it but we will: "We knew it all along!" Pretty Janice Hukel, Supply Department's contribution to the world of beauty, receives her crown as Miss Ridgcrest for 1966 from Gwen Sprouse, 1965's Pageant winner. Janice brightens the picture for denizens of the NOTS Administration Building every day.

Supply's Janice Hukel Named Miss Ridgcrest

For the third time in a year, Janice Hukel, an employee of Supply Department and resident of Ridgcrest, was honored for her beauty and charm. Judges of the Miss Ridgcrest Pageant chose her from a bouquet of seven contenders last week before an audience of 20 in Murray Auditorium.

Janice was selected as Navy Relief Queen last June for the Navy Relief Ball. Her response then must have tempted fate, for she then exclaimed "No, I can't believe it! I've never received anything before!" She was again chosen as the beauty to represent the Desert (Continued on Page 5)

### Calling All Photographers



A PICTORIAL HELLO from his family is on its way to Air Force M/Sgt. Dick Corliss, Assistant NCOIC of the Munitions Area at Bien Hoa Air Base in Viet Nam. Shown in their home at 307-B Tyler is M/Sgt. Corliss' wife Ethel and daughters Debbie and Jane. This photograph is the first of Operation "Family Album," a service offered, without charge, by the China Lake Photographic Society to provide servicemen in the South East Asia theater with pictures of their families.

The China Lake Photographic Society announced this week the kick-off of Operation "Family Album." According to Society President, C. H. Wilson, the operation will provide family pictures, without charge, for servicemen now serving in the South East Asia theater.

sions so that arrangements can be made to have their pictures taken," Wilson said. China Lake families may call extensions 76613, 77824 or 76772. Those in the Ridgecrest-Inyokern area call FR 7-6547 or FR 5-2884. Additional help from photographers in the area is requested by the Photo Society. If you are a photographer and can give time for this worthwhile project, please call one of the extensions listed above for information.

"Any family in the Indian Wells Valley who has a member, son, husband or brother now serving in the South East Asia theater are encouraged to call one of the following exten-

### Memorial Park Fund Will Honor Maj. Gen. Branch

The living memorial fund created recently in memory of Maj. Gen. Irving L. Branch, USAF, has taken the form of a park to be built at Edwards Air Force Base, according to Desert Wings, the base newspaper.

Gen. Branch, former Air Force Flight Center commander, was killed January 3 this year when his jet plane crashed in Puget Sound en route from Edwards.

The memorial park is to include boating, fishing, picnic and playground facilities. Contributions to the Gen. Branch Memorial Park Fund have been flowing in through the efforts of Antelope Valley civic organizations.

Friends, acquaintances and colleagues of the late Edwards AFB commander have been invited to assist in providing for the memorial.

### Sign-Ups Slated For Pony-Colt Baseball Saturday

Plans to hold registration for boys 13 through 16 years of age who wish to compete in the Indian Wells Valley Pony-Colt Baseball League this season have been announced by league officials.

The sign-ups will be held tomorrow from 9 a.m. to noon at both Schoeffel Field on the Naval Station and at Ridgecrest Park.

Registration forms, which can be obtained at local schools, must be signed by the parents of the boy and presented to league officials, along with a \$5 fee.

Since Indian Wells Valley is to host the sectional Colt League tournament this summer, league officials are hopeful of an early and heavy registration for the Colt League, which is open to boys 15 and 16 years of age.

Youngsters 13 and 14 are eligible for the Pony League teams. They, too, are being asked to register as promptly as possible in order that League officials will be able to establish Pony League strength at an early date.

Announcement also was made by Bill Bessee, president of the Pony-Colt League, that a meeting to discuss general plans for the coming season will be held on Tuesday, March 22, starting at 7 p.m. in Room A of the China Lake Community Center.

### CPO Ladies Meet, Greet Newcomers

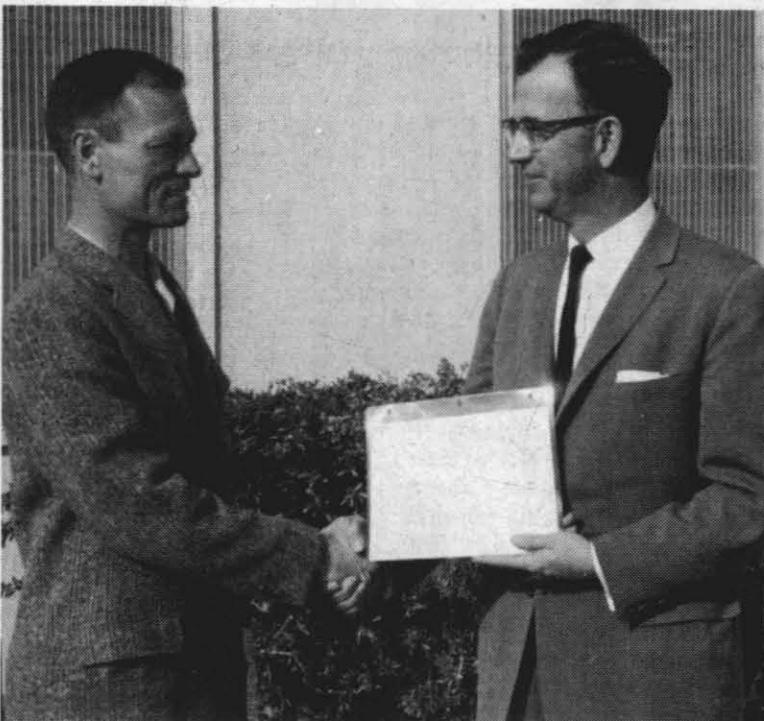
Ladies of the Chief Petty Officers Wives Club have invited all newcomers to China Lake to their evening of socializing at the CPO Club Monday, March 21. The event is to begin at 8 p.m.

They have also announced some activities planned for the near future, including a trip to Hollywood, an Easter Brunch, and one of the Station's big yearly hits, Harold's Night.

Further information can be obtained from Mrs. Ayers at ext. 75912 or from Mrs. Menges at FR 8-9861.



DISTINGUISHED VISITOR—General Curtis LeMay, USAF (Ret.) Chairman of the Board, Networks Electronics Corp. (I), confers with Capt. Leon Grabowsky, Station Executive Officer, during visit to the Station early this month.



GOES TO BUWEPS—Edward A. Allen (left) is congratulated by Dr. G. W. Leonard, Head of the Propulsion Development Department upon receiving a Sustained Superior Accomplishment Award for year ending in March, 1966. Ed Allen, a chemist and engineer, was responsible for numerous successful pyrotechnics project engineering assignments on flares and markers. After 14 years at NOTS, he is transferring to the Bureau of Naval Weapons, where he will join the Pyrotechnics Section RMMO-32, which is responsible for the Navy's Pyrotechnics Programs.



ARBOR DAY IS OBSERVED—A mulberry tree, recently given to the China Lake Day Nursery by the Oasis Garden Club, is pruned by Mary Wickenden (on ladder), president of the garden club, and Esther Rountree, civic beautification chairman. Assistants from the nursery school holding the ladder are Martin Klemencic, Jimmy Beach, and Raymond Rountree. The gift of three trees and 15 shrubs from the garden club was received by Suzanne Fountain, building and grounds chairman for the nursery school board.



FEATURED SPEAKERS at the China Lake Business and Professional Women's Club Annual Bosses' Night were Patty Burbridge (standing), present State Civic Participation Chairman and member of the Tarzana BPW Club, and Lori Bales (seated), a member of the Chatsworth BPW Club. The theme for the dinner-meeting held at the Commissioned Officers' Mess (Open) on Wednesday, March 9, was Americanism. Wardna Abernathy is president of the China Lake BPW Chapter. Program chairman for the evening was Beulah Glidewell of NOTS Supply Department.

### STATION LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library. Fiction: Cleary—The Pulse of Danger. Creasy—Murder, London-Australia. Greene—The Comedians. Longstreet—Remember William Kite? Purdum—My Brother John. Non-Fiction: Capote—In Cold Blood.

Cousteau—World Without Sun. Graham—World Aflame. Kelly—Surf and Sea. Koenig—The Chief Executive. Margolis—The Complete Book of Tailoring. Mitchell—Twenty Decisive Battles of the World. Therne—Adventures Under The Sea. Tompkins—The Lewis and Clark Trail.

# 41 New Combat Art Pieces Added

## Five Western Artists Contribute Their Work

BY JOAN RABER

An impressive addition of paintings to the Navy Combat Art Program will be on display at NOTS Pasadena in Building No. 7, Large Conference Room through March 25.

Five prominent west coast artists were recently honored by the Navy Art Cooperation and Liaison Committee for their contribution of 41 paintings illustrating the U.S. Navy in action.

Rear Admiral William P. Mack, Chief of Information, accepted the paintings on behalf of the Navy in a recent ceremony held at the Hollyhock House in Hollywood. The reception was sponsored by the Los Angeles Municipal Art Patrons.

The dignitaries in attendance in addition to Captain John I. Hardy, ComNOTS and Director of the West Coast Combat Art Program (NACAL-West) included Mayor Sam Yorty of Los Angeles; Captain Grady H. Lowe, Officer-in-Charge, NOTS-Pasadena; Charles Lawrence, Art Curator, Navy Exhibit Center, Washington,

D.C.; Kenneth Ross, General Manager, Los Angeles Municipal Art Department; and Mrs. Homer Toberman, President of the Los Angeles Municipal Art Patrons.

This was the third annual NACAL-West reception and the continuing program now consists of 86 paintings. Two west coast artists are currently on assignment in Viet Nam and their paintings will be donated to the program next year.

The Navy Combat Art Program was originated in 1941 by the late Griffith Bailey Cole, a Navy Commander who graphically portrayed the Pearl Harbor attack in a charcoal and chalk drawing the same year. Since then the Navy's Combat Art collection numbers over 3,000 paintings, depicting naval activities world-wide and estimated to be valued at 2½ million dollars.

Combat artists whose paintings are on display are: Ben Abril, Freeman Butts, Leonard Cutrow, James Scott and Jirayr Zorthian.

The artists spent last year



OPEN AIR APPOINTMENT (WATER COLOR)

BY JIRAYR ZORTHIAN

recording on canvas the U.S. Navy's land, sea and air operations in Japan, Viet Nam, Taiwan and San Diego.

After the exhibit at Pasadena closes the paintings will be forwarded to Washington, D.C. to be exhibited throughout the world.

### Concert Ass'n Slates Spring Renewal Campaign

The China Lake Civic Concert Association is conducting a spring subscriber campaign instead of its usual fall emphasis. Bruce Wertenberger, president of the Association, explains that the 1966-67 concert series will feature the first concert on October 5.

"There simply would not be sufficient time in the fall to have a sales campaign for old and new subscribers," he added.

Present subscribers to the concert series are being mailed their renewal forms and information about the coming season of concerts. Those failing to receive the information who are season ticket holders at present are asked to call H. L. Bagge, Jr. Ext. 724231.

Receivers of the renewal information who have questions pertaining to the series are asked to call the Bagge residence.

The renewal campaign for present subscribers will continue until April 20 when the Concert Association will begin its drive for new subscribers.

### Janice Hukel Is Miss Ridgecrest

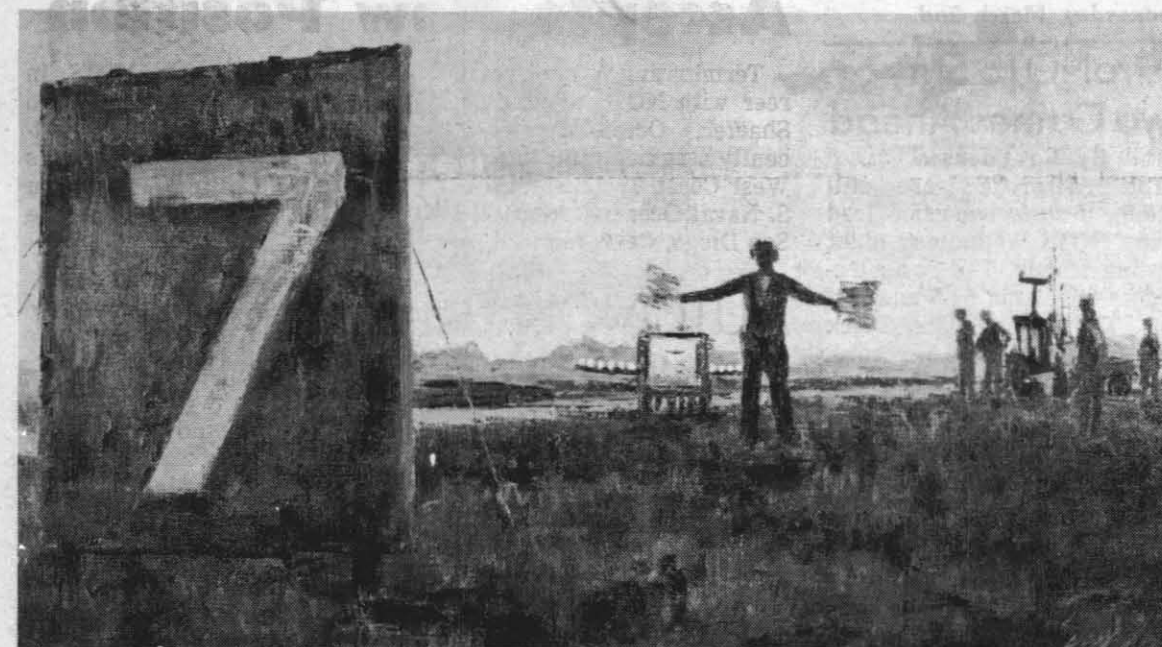
(Continued from Page 1)

Empire Fair that fall. Janice is a small but well-packaged girl standing five feet, three inches tall and weighing 118 pounds. Her bright hazel eyes compete with light brown hair.

A believer in self development, Janice plans to complete a major concentration in business with further education at Long Beach College.

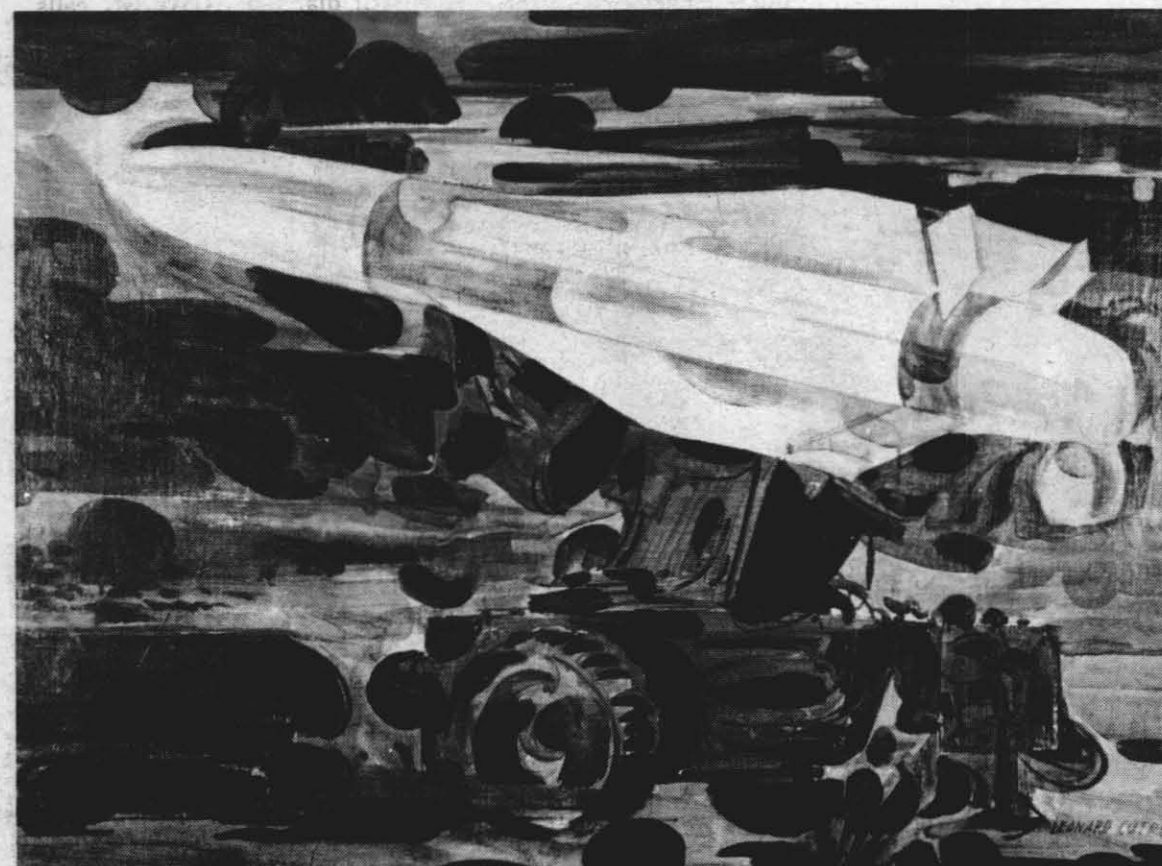
She and the two runners-up for the close Pageant contest, Pat Hennessey and Sharon Murphy, were honored together by the community with bouquets and queenly thrones at the crowning ceremonies.

The five-judge panel judged title hopefuls in a variety of costumes, and for beauty, grace and spoken wit.



EARLY MORNING (OIL)

BY BEN ABRIL



MISSILE (OIL)

BY LEONARD CUTROW



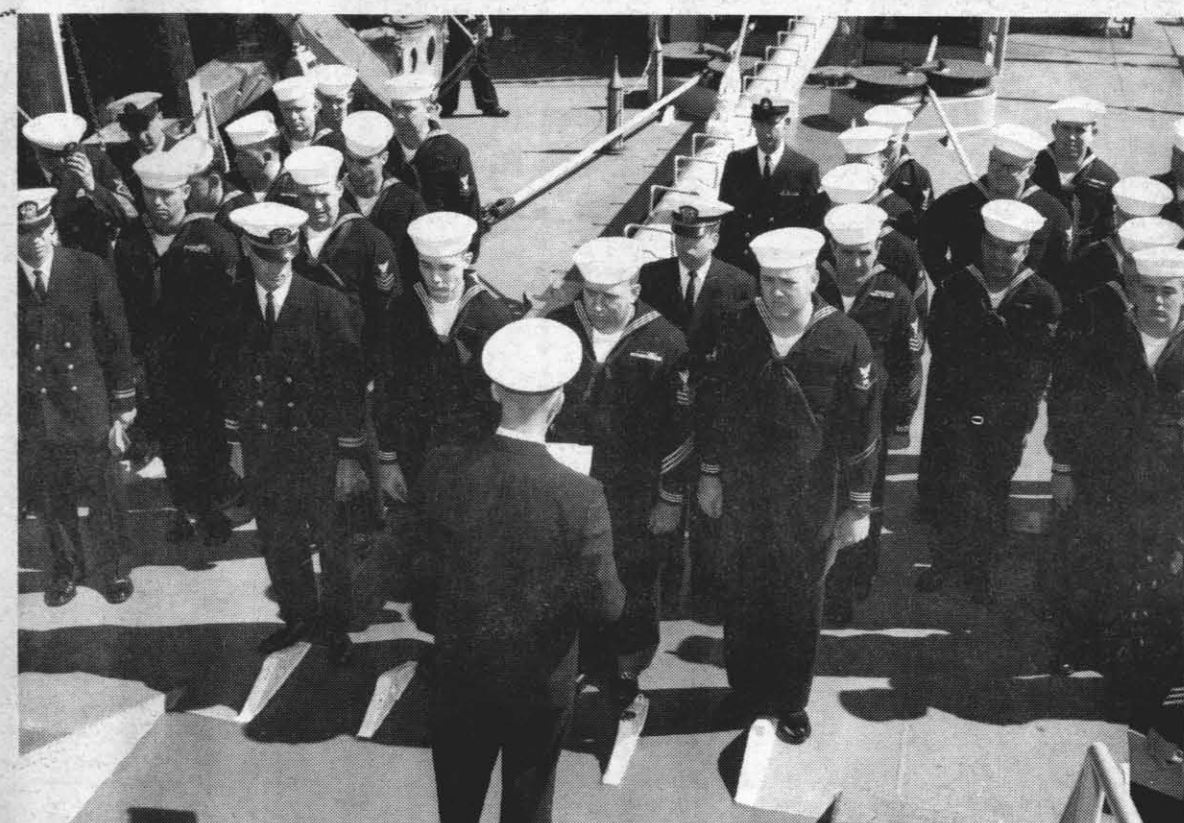
TANK (OIL)

BY LEONARD CUTROW

# Awards Ceremonies Conducted Aboard USS Butternut

## NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



OFFICERS AND MEN of the USS Butternut (AN9) are present as ship's Commanding Officer, Lt. Victor D. Modeen, presents awards to (center front l-r), Lt. D. T. Dunham, Fire-

man R. M. Phillips, Boatswain's Mate First Class K. D. Mabbitt, and Mineman Third Class J. F. Tribon. Ceremonies were held at Long Beach on Wednesday, March 2nd.

At an awards ceremony conducted recently, following Commanding Officer's Personnel Inspection held on board the USS Butternut (AN 9) at Long Beach, four Butternut personnel were congratulated as follows:

Lt. Donald T. Dunham, USN, the ship's Executive Officer, took the oath and was sworn as an Officer of the Line in the Regular Navy. Formerly a reserve officer on active duty, Lt. Dunham requested and received permission to augment to the Regular Navy, and is now considered a Career Naval Officer. Prior to assuming his present duties, Lt. Dunham served aboard the USS Safeguard (ARS 25) as Operations Officer, and on the Staff of Commander Service Force, U. S. Pacific Fleet.

Fireman Richard M. Phillips, USN, was congratulated on his recent promotion to Fireman from Fireman Apprentice. Phillips has been stationed aboard the USS Butternut since February 4, 1965, having reported directly from Boot Camp.

Boatswain's Mate First Class Kenneth D. Mabbitt, USN, took the reenlistment oath for a one-year extension to his pres-

ent enlistment. Mabbitt elected to extend his current enlistment rather than reenlist, for career planning purposes. He presently has 14 years Naval Service, and a well-rounded career, having served aboard the USS Apache (ATF 67), the USS Cocopa (ATF 101), and as a Craftmaster on service craft at Naval Station, Long Beach. He also served at NAS, Barbers Point, Hawaii.

Mineman Third Class James F. Tribon, USN, took the reenlistment oath for another six years of active duty. Tribon currently has 10 years Naval Service, and is attached to the USS Butternut as an EOD Specialist and First Class Diver. He also serves as the ship's gunner and has custody of small arms and magazines. As a reenlistment incentive, Tribon requested and received orders to Class B Mineman School, Charleston, S.C., and he will depart the ship in August 1966.

The USS Butternut, commanded by Lt. Victor D. Modeen, USN, is an Eleventh Naval District Ship, currently assigned to the Naval Ordnance Test Station, to provide afloat support to the Sea Range Section at Long Beach.

## NOTS Oceanographer Accepts New Position

Terminating a six-year career with NOTS, George V. Shaefer, Oceanographer, recently assumed duties as Head, West Coast Technical Unit, U. S. Naval Oceanographic Office, San Diego, California.

Shaefer came to NOTS in April 1960, working for two years with the Test Department. For the past four years he has been with the Detection and Classification Section of the Systems Operations Division.

## AUTOVON Performance Study

To improve AUTOVON network service, the Defense Communications Agency has scheduled a quarterly AUTOVON performance study. The statistics gathered will be used for engineering, budgetary, planning and management requirements. Data to be gathered will include the number of calls attempted, the number of calls completed, the number of times all AUTOVON circuits on the switchboard were busy and the number of times the called

number was busy.

The initial study will take place on March 22, 23, and 24 and for the remainder of the calendar year on June, September and December 21, 22, and 23.

The study will affect AUTOVON users only in that, for two hours in the morning and two hours in the afternoon the operator, rather than the users, will dial the AUTOVON calls.

## MEET Your Councilman

This is the twelfth in a series offered by the Rocketeer to better acquaint residents with China Lake Community Council precinct representatives.



R. A. FREDERICK

An honor in community affairs means work, as this week's councilman is well able to testify. China Lake Community Council president Richard A. Frederick has lent his efforts to the community over seven and a half years of his ten and a half at NOTS, and just last weekend put in a stint as co-chairman of the Valley-wide Congress for Community Progress.

Dick and Barbara Frederick were long-time Arizona hands before coming to China Lake. Dick, a native Ohioan, took his B.S. in liberal arts, with a mathematics major, at the University of Arizona in 1955. Barbara preceded her husband to Arizona by four years — 14 years before they moved West. He now is a project mathematician for Systems Development Department.

Dick's most recent activities on the Council have been with the Civil Affairs, Housing and Public Relations committees, of which he is chairman, and the Indian Wells Valley Area Development and Open Community Committees.

He was elected president last November for his second tour in that office. He served as vice-president in 1959-60 and as president in 1960. He was recording secretary in 1961, and executive secretary in 1964.

Highly active in professional, recreational and youth areas also, Dick is a member of the American Ordnance Association, captain of the Midway League bowlers, and assistant cubmaster of local Pack 615.

"The Council is the only elected organization available to the 12,000 residents of China Lake," says Frederick, "to represent them in matters concerning their general welfare."

"Therefore, I hope that each resident will continue to support the Council by attending its meetings of the board every second and fourth Tuesday at the Community Center, or by communicating with their precinct representatives."

## ANTIETAM WAS FIRST

The first Navy aircraft carrier to be equipped with the capabilities of launching a landing aircraft simultaneously was the USS Antietam in 1952.

## WEP Student Studies Ice Crystal Creation

BY MIKE TAYLOR  
Work Experience Student

Of the 46 students in the Work Experience program, six are working here in the area of physics. One of these students is Shirley Wilson, the 17-year-old daughter of Mr. and Mrs. C. H. Wilson of 208-B Ellis, China Lake.

Shirley is a Burroughs High School senior who is working with Kirk F. Odencrantz of Code 502, Earth and Planetary Sciences Division. Odencrantz is presently studying the formation of ice crystals and cloud seeding.

The object of these studies is to ascertain several methods to induce freezing.

### How Ice Crystals Are Formed

The ice crystals are formed in a chamber which is kept at -10 degrees centigrade. The process is started when a powder containing five percent silver iodate is burned, causing the moisture in the chamber's air to crystallize. The ice crystals are then collected and preserved until they can be studied under a microscope.

Although this is not the actual process followed in cloud

seeding, the principles are basically the same.

Shirley is also involved in the study of the freezing process of water. Droplets of water are supercooled to about seven degrees centigrade and brought in contact with ice, causing the supercooled droplets to freeze. The structure patterns of the ice formed by the supercooled droplets are different than those formed in the normal way.

At the present time, Shirley Wilson plans to major in liberal arts in college, but doesn't know for certain what major field she will enter.

"I want to try another area also," she explains. "This Work Experience Program will give me a much broader basis upon which to make my choice of profession. Often one has a misleading concept of the actual conditions of a particular occupation. I hope to avoid training for a profession which does not suit me."

Shirley stated that she is using the practical application of the principles she studied in her physics class at BHS. "The techniques are new; in fact, they are perfected as the need arises."

## DAFCS Tickets



RAY VAN AKEN, president of the board of directors of the Desert Area Family Counseling Service, presents Captain John I. Hardy, ComNOTS, with two tickets to the agency's 15th Annual Dinner Meeting. The dinner meeting will be held on Friday, April 1, at 7 p.m. at the Officers' Club. Featured speaker at the dinner will be Fred Feldman, M.D., whose topic will be "Mental Health In An Isolated Community." Dr. Feldman has been the agency psychiatrist since 1952. A donation of \$5.00 per person includes a dinner of either roast beef or lobster thermidor. Reservations may be made by calling the Desert Area Family Counseling Service office, extension 72714.

## Safety Department Head Lists Factors in Fatal Auto Accidents

The following information was taken from a Department of California Highway Patrol report dated November 1965 titled "The Role of Carbon Monoxide, Alcohol and Drugs in Fatal Single Car Accidents."

The data applies to drivers in single vehicle accidents who died within 15 minutes of impact.

1. Carbon monoxide was found to be of negligible importance.
2. Drugs were detected in 12 percent of the cases.
3. Seventy-six percent of the male victims had been drinking; about seventy percent had blood alcohol concentrations in excess of .10 percent.
4. Fifty-one percent of the female drivers had been drinking; forty percent had blood alcohol levels of .10 per cent or more.
5. Arrest records of the victims indicated that previous offenses were found to increase with alcohol level, indicating habituation and problem drinking.
6. Approximately nine per cent of the drivers died while driving from natural causes just before the accident. This group consisted of middle-aged or elderly males.

—Condensed by K. Skaar  
Head, Safety Department, NOTS

## Roll-off to Pick Navy Tourney Team Members

China Lake is getting ready to send a contingent of its top Navy keggers to the Eleventh Naval District "All-Navy Bowling Tournament" set for April 16-17 at Long Beach.

NOTS Special Services has announced that a 12-game roll-off will be conducted at the China Lake Bowl (alley 2) on Saturday and Sunday, March 26 and 27, to qualify men for the tourney.

Eight men with the top league averages will represent the Command. Chief Joe Koskoski advises that personnel having league averages high enough to qualify need not take part in the roll-off. Navy bowlers may call ext. 72006 for further information. Sign-up is at the China Lake Bowl.

## PROMOTIONAL OPPORTUNITIES

To apply for vacancies, contact Nancy Reardon, Pasadena Personnel Division, Extension 492. A current SF-58 must be submitted when applying.

**Mechanical Engineer (Utilities), GS-11, PD: 3P71023, Code P7112** — Responsible for engineering design of unique underwater structures and facilities and for deep-submergence special projects and high-pressure gas and hydraulic systems. Frequent travel to San Clemente Island is required. BS degree in mechanical engineering desired.

**Mechanical Engineer, GS-11, PD: 6P80014, Code P8083** — Responsible for design and development of underwater structures and various deep-submergence devices. Performs mechanical engineering analysis and design, follows the design through manufacture, conducts tests, prepares written reports. Requires graduate mechanical engineer. Experience in design of underwater structures and familiarization with electromechanical devices and deep ocean engineering technology desirable.

## Hobby Becomes Career

Gene Watts is one of those fortunate persons to turn hobby into career. On March 14th, he began his new career as an illustrator at the Naval Ordnance Laboratory, Corona.

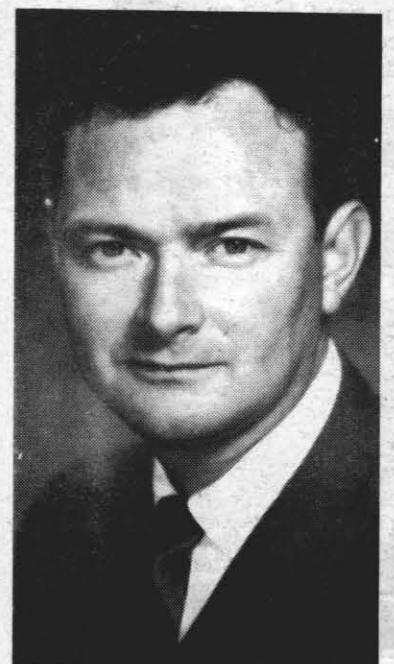
During his nine years with NOTS, Gene received two Sustained Superior Performance Awards for his fine work as a Cartographer Technician, but the true expression of his talent has been accomplished

through the many abstracts and scenes he paints during his leisure hours. Many of these he has sold. His special pride is an 8' by 15' mural entitled "Spring Morn," he painted recently in the baptistry room of the Monrovia Church of Christ. During his tenure at NOTS he generously devoted many hours of his own time creating farewell scrolls for retiring station personnel.

Gene's formal education consists of an Associate of Arts Degree from the College of the Pacific at Stockton, California, and two years of art at California State College, Los Angeles.

Although he minored in music this, too, has become a major part of his life. A student of voice for many years, he has been a member of the choir in several Pasadena churches including St. Philip, St. Andrew, and more recently, All Saints Episcopal Church.

His total of 15 years with the federal government includes service at Mare Island Shipyard Moffett Field, and Pt. Mugu.



GENE WATTS

## AstroNOTS Stay Two Games Ahead

By Ray Hanson

The AstroNOTS are still holding a slim, two-game lead in the NOTS Wednesday night bowling league. The league leaders have won 61.5 and lost 34.5. The second-place Black Cats have a 59.5-36.5 record, while the Spinks and the Quiet Five stand at 57-39. One of these four teams will undoubtedly be the champion but nobody in his right mind would offer odds on any of them.

High scores for the 24th week are as follows: team series, Alley Kats, 2902; team game, Quiet Five, 976; men's series, Kent Osborn, 633; men's game, Dick Talbot, 230; women's series, Coco White, 623; women's game, Eleanor Lummpp, 205.



MRS. VIVIAN LARSEN, wife of Chief of the Guards, Leif O. Larsen, experienced a delightful Washington's Birthday at Santa Anita as a guest in the winner's circle. Shown admiring winner, "Snips N' Snails,"

(No. 6), mounted by jockey Manuel Ycaza, are (l-r) Mrs. Larsen, Mr. and Mrs. Bob May of San Marino, and the groom. Chief Larsen missed all the excitement since he was home "poodle sitting" for the day.

