

Exchange Club seeks talent for show at Cerro Coso Saturday

Today is the final day to sign up for the Ridgecrest Exchange Club's "Search for Talent."

The club is seeking youths between the ages of 6 and 18 to participate in a talent show that will be held tomorrow night at the Cerro Coso College Lecture Hall, beginning at 8 o'clock.

Persons interested in competing should contact Robert Jorge by calling 375-4595, or they may call Mickey Sarad at 375-9300. The talent show will be divided into a children's division for youngsters 6 through 9 years of age, a junior division for contestants 10 through 14 years of age, and a senior division for youths between 15 and 18 years old.

Local winners will be eligible to compete in Bakersfield for larger prizes and winners at Bakersfield will advance to San Jose later this year, where some very large cash awards will be at stake, Jorge stated.

The only stipulation in this contest — besides age — is that all contestants be amateurs. "Anyone who has ever performed under a contract is ineligible to enter," Jorge said.

Admission to tomorrow night's show is free. All interested persons are invited to attend.

Dance set tonight at COM; Club to close Sat. for dining-in

The Caravan will provide music for a dance tonight at the Commissioned Officers' Mess, beginning at 9 o'clock.

Drake Dierkhising, club manager, invites all members and their guests to attend.

Specialty of the dining room will be half Cornish game hen for \$4.25 per person.

Dierkhising also reminded club members that the COM will be closed tomorrow for the Air Test and Evaluation Squadron Five's dining-in ceremony.

The bridge players' special on Wednesday, April 23, will be spaghetti with garlic bread for \$1.75 per person.

Forms available at Youth Center for annual Hobby Show

The deadline for entries in the 3rd annual Youth Hobby Show is Thursday, May 8. Entry forms are available at the Youth Center.

The show, which is co-sponsored by the NWC Youth Center and the Ridgecrest Kiwanis Club, will be held on Saturday, May 10, at the youth gym.

All hobbyists in the area are invited to display their collections, models, handiwork, art and any hobby of interest to others.

The show will be open to the public from noon to 3 p.m. on May 10.

Charity show being organized

Auditions for 1975 'Fractured Follies' scheduled Tuesday at The Hideaway; director seeks volunteers

Calling all local talent! The 1975 edition of "Fractured Follies" will be held on May 9 and 10 at the Burroughs High School Lecture Center. Prior to the performances, many hours will be spent by volunteers in preparation for this charity event — both behind the scenes and on stage.

Needed by the show's sponsors — the Sierra Sands Unified School District Parent Teachers Association — are actors, actresses, singers, musicians, curtain-pullers, "go-fers," set and clothing designers, seamstresses, lighting people, and many others.

The "Fractured Follies," now in its fifth season, benefits the Campership Fund that provides scholarships which enable needy youngsters in the Indian Wells Valley to attend summer camp. In addition, the IWV Leukemia Fund also will benefit from the proceeds of this year's event.

The Jerome H. Cargill Producing Organization of New York City will supply a director, script and the principal costuming. The director for the 1975 production will be introduced at a no-host cocktail party at The Hideaway restaurant in Ridgecrest on Tuesday at 7 p.m.

All interested persons are urged to be present Tuesday night and sign up for the show. Those who are unable to attend, but who wish to participate in the "Fractured Follies," are asked to call Lorna Moore, talent chairman, at 446-6441, or Peggy Westfield, general chairman, at 375-4591.

Rehearsals will be divided. For those unable to attend night rehearsals, there will be a 9 a.m. call, while evening rehearsals will begin at 7 o'clock.

Get behind the community effort to help support two deserving charities. Show up Tuesday night at The Hideaway and sign-up for the 1975 "Fractured Follies."



OPENS NEXT FRIDAY — "The Diary of Anne Frank," the spring production of the Community Light Opera and Theater Association, will open a four-performance run next Friday night at the Burroughs High School Lecture Center. The Frank family (above) are the central figures in the Pulitzer Prize winning play. They are Otto and Edith Frank (standing), and Margot and Anne (seated). Otto is played by Henry Machtay. His wife will be portrayed by Sally Erickson. Terry Payne is Margot and the title role will be done by Elena Vitale (seated at right). —Photo by John Dunker

'Diary of Anne Frank' to open March 25 at BHS Lecture Ctr.

History doesn't record the date in March 1945 when Anne Frank succumbed to malnutrition, exposure, typhus and despair of being imprisoned at the Bergen-Belsen concentration camp, in Germany.

However, the two years preceding her death as a prisoner of the Nazis were recorded — in a diary kept by the young Jewish girl while she and seven others hid in an attic in Amsterdam, Holland.

Anne, her family and friends, after their capture, were taken from Holland on the last trainload of Jews to leave that country. The train left on the day that Brussels, Belgium, was freed by the Allies.

When Otto Frank, Anne's father, returned to Holland after the war — the only survivor of the group that lived together for two long years — he found the diary where a Nazi captor had dumped Anne's papers and

notebooks. It was fortunate for the world that the German's greed had forced him to leave the diary in order to carry away money and other valuables that he had confiscated.

From Anne's notes — and his own memory — Otto Frank wrote the Pulitzer Prize winning play, "The Diary of Anne Frank." This show will be produced by the Community Light Opera and Theater Association on April 25, 26 and May 2 and 3 at the Burroughs High School Lecture Center. Curtain time is 8:15 p.m. on all four dates.

Tickets are priced at \$2.50 for adults and \$1.25 for enlisted military personnel and students. They are available at the Gift Mart in Ridgecrest, and the Station Pharmacy. They also may be purchased from members of the cast or at the Lecture Center door prior to performances.

SHOWBOAT

MOVIE RATINGS

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED
General Audiences

(PG) - ALL AGES ADMITTED
Parental Guidance Suggested

(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

Regular starting time — 7:30 p.m.

FRI. 18 APRIL

"THE NEW LAND" (161 Min.)
Max von Sydow, Liv Ullmann
(Drama) In this sequel to "The Emigrants," a Swedish family settles in the Minnesota Territory of 1850. As they struggle to make a place in their adopted land, they experience great hardship and joy. (PG)

SAT. 19 APRIL

"CONFESSIONS OF A WINDOW CLEANER" (90 Min.)
Robin Askwith, Linda Hayden
(Comedy) Anthony Booth runs a window cleaning business in South London and provides special services. Booth lives with wife Sheila White, her parents, Danny Nichols and Bill Maynard and Askwith, Askwith falls in love with policewoman Linda Hayden, but since Maynard has filled the family flat with items acquired from his lost and found department, being associated with the law is frowned on. Askwith decides to marry Hayden, but on their wedding day, he's accidentally knocked out by moving men and misses out on the ceremony. (R)

SUN. & MON. 20-21 APRIL

"THE TOWERING INFERNO" (165 Min.)
Steve McQueen, Paul Newman
(Action Drama) It is dedication night for the Glass Tower, the world's tallest skyscraper — 138 stories topped by a penthouse restaurant-nightclub. While builder-developer William Holden plays host to San Francisco society in the penthouse, an electrical fire breaks out on the 81st floor and spreads upward. High-rise architect Paul Newman and fire chief Steve McQueen take command of the fire-fighting. (PG)

TUE. 22 APRIL

China Lake Civic Concert Ass'n Presents
EARLY MUSIC QUARTET OF MUNICH - 8 p.m.
WED. 23 APRIL
"TREASURE ISLAND" (95 Min.)
Orson Welles, Walter Slezak
(Adventure Drama) Orson Welles as the most colorful one legged scorpion of a sea devil pirate, "Long John Silver," adds an entirely new dimension to Robert Louis Stevenson's classic adventure. (G)

THUR. 24 APRIL

"THE NICKEL RIDE" (99 Min.)
Jason Miller, Linda Haynes
(Suspense Drama) Jason Miller runs a section of Los Angeles for racketeers referred to as "The People." He is negotiating a deal for the use of a block of warehouses to be used to accommodate a growing inventory of stolen commodities. Faced with increased pressure to complete the deal, Miller and his girlfriend Linda Haynes leave for a mountain retreat to await the decision of a crooked cop who is working on the deal and to steer clear of would-be assassins. (PG)

FRI. 25 APRIL

"THE SOUL HUSTLER" (83 Min.)
Fabian Forte, Nai Bonet
(Contemporary Melodrama) A young man, hating himself in the aftermath of an auto accident in which his wife and son were killed, becomes a national celebrity — a religious "freak" — after finding himself able to manipulate the minds of huge gatherings of people. (PG)

SAT. 26 APRIL

"THE SOUL HUSTLER" (83 Min.)
Fabian Forte, Nai Bonet
(Contemporary Melodrama) A young man, hating himself in the aftermath of an auto accident in which his wife and son were killed, becomes a national celebrity — a religious "freak" — after finding himself able to manipulate the minds of huge gatherings of people. (PG)

SUN. 27 APRIL

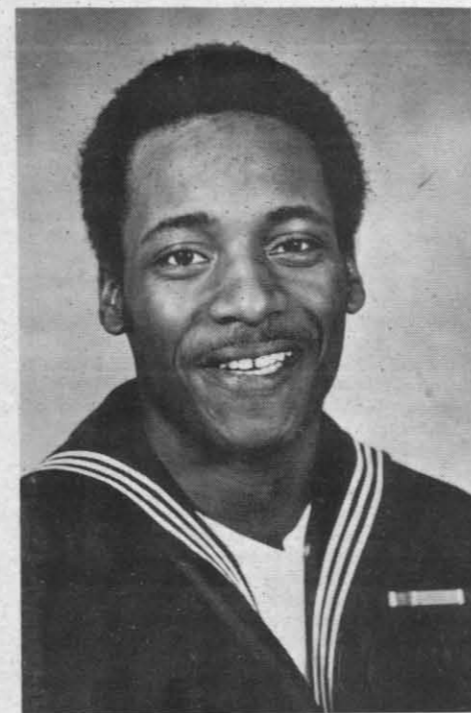
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From: _____

To: _____

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AZ3 Tyrone O'Neal

O'Neal selected as NWC's shore sailor of year

AZ3 Tyrone O'Neal, a technical librarian with the Quality Assurance Division at the Naval Air Facility, has been selected by his Command as its nomination for Shore Sailor of the Year in the Naval Material Command.

AZ3 O'Neal, who was NWC's "Bluejacket of the Month" in May 1974, enlisted in the U.S. Navy in May 1972 and was assigned to China Lake after completing his boot training. He was selected for his current rank in November 1974.

In a letter nominating AZ3 O'Neal for Shore Sailor of the Year, Capt. R. S. Moore, Commanding Officer of NAF, stated: "His military bearing is excellent and sets a fine example of high moral standards. He easily exceeds the requirements for eligibility, and I most strongly recommend him for the CNM Sailor of the Year."

Capt. Moore also pointed out that during his off-duty hours, AZ3 O'Neal "... constantly involves himself in community projects." The young (20-year-old) NAF sailor has worked with handicapped children during the evenings and is a drug exemption representative for his Command. In addition, he is a member of the NAF color guard and spends many off-duty hours representing the U.S. Navy in parades and ceremonies.

The Sailor of the Year program was established during Fiscal Year 1972.

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Quarterly report shows cutbacks in energy consumption

Results of the Naval Weapons Center's efforts to reduce the average overall energy consumption rate for the third quarter of Fiscal Year 1975 were reported this week by Richard Malone, the Center's Energy Conservation Officer.

Compared to energy usage for the same period in FY 73, the figures for the first three months of 1975 were:

Electrical consumption for the entire Center (including housing)—down 14.6 per cent.

Use of natural gas and propane—down 19.1 per cent.

Total overall energy usage — down 15.4 per cent. This latter figure is slightly better than the 15 per cent cutback called for by the Chief of Naval Material.

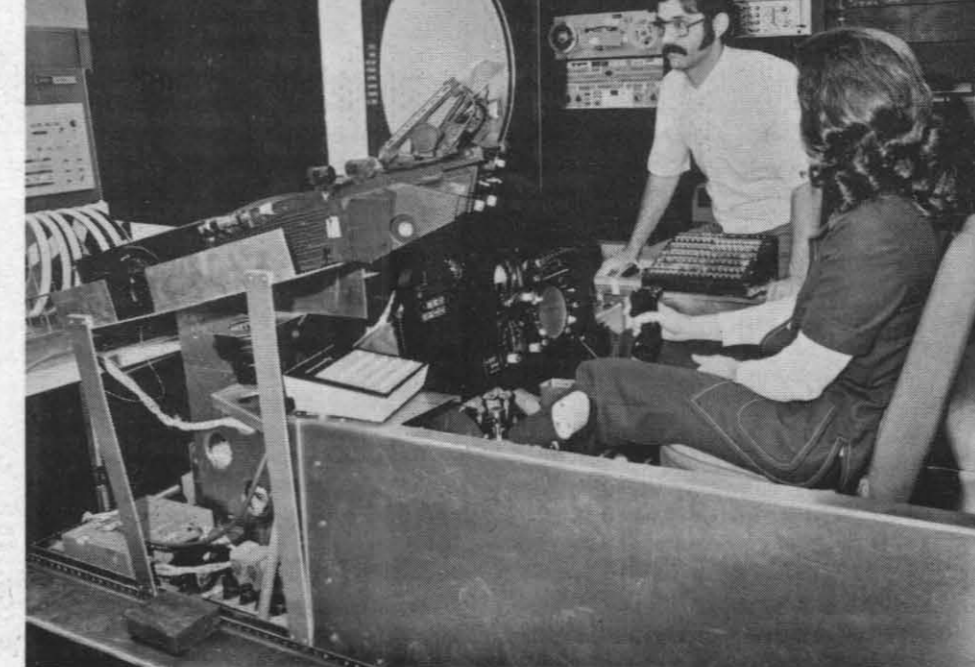
In addition, Malone provided information on the energy consumption rate for the month of March, compared to March 1973. The changes were:

Electrical consumption — down 15.8 per cent; natural gas use (for everything except boiler plant operations) — cut by 14.3 per cent; natural gas used for boiler plants — decreased by 9.4 per cent; propane gas — down 3.8 per cent; fuel oil for boiler plants — cut by 2.5 per cent, and steam generation — reduced by 2.1 per cent.

nwc rocketeer

Naval Weapons Center
China Lake
California

Flight simulation facility gives Center in-house capability for all A7E avionics Operational flight programs validated by special equipment



FLIGHT SIMULATOR — Hermie Harris (seated), a computer operator in the A7E Simulation Facility, is shown making an evaluation check while Frank Bachinski, programmer, looks on. The facility uses software to simulate navigation, weapon delivery and other flight characteristics of the A7E. It is located in Hangar 3 at the Naval Air Facility and is operated by Code 40408, headed by Bob Freedman.

With the advent of on-board digital computers for Navy tactical aircraft in 1962, the Navy was given the task of configuration management of the associated computer programs, called Operational Flight Programs (OFP).

The OFPs process the input data from sensors — such as radars, air data systems, and inertial navigation systems — and provide the pilot with meaningful information that allows him to navigate to a target, make accurate weapon deliveries, and navigate home again with a minimum of cockpit work load. The OFP is delivered to flight squadrons in the form of a punched tape.

The first digital system delivered to the Navy (the DIANE system which is still operational in A6 Intruder aircraft) was developed by private contractors. For many years it was (and still is to a degree), a mystery to the Navy, since it is controlled only by a handful of contractors who know how to modify the system.

Total Management Desirable

The Navy, because it was installing its own weapons systems on the aircraft, felt it should have total management of its own (OFP) system. In 1967, when the Navy began the development of the "E" version of the A7 Corsair II aircraft, the NAVAIR A7 program management office became responsible for the management of both the A7D (the U.S. Air Force version of this aircraft) and the A7E. Capt. Tom Gallagher, who headed the office, requested in September 1968 that NWC provide the same kind of support that it managed previously for the A7A and "B."

Bob Freedman, who was test engineer for the CP-741/A analog computer (developed at NWC), and who now heads the Aircraft Systems Department's A7E Program Office, was selected to develop an A7E simulation facility to give the Navy an in-house capability for all A7E avionics. To carry out this task, an A7E simulation facility was to be developed at NWC.

Two Reports Pending

The question of changing the hours of operation at the Woodworking Hobby shop has been tabled awaiting a comprehensive report from Shoaf, while Lovic Thomas and Lt. G. H. Averett, two members of the Recreation Council, have been asked to review and make recommendations regarding the dual status of the Ceramics Club and Ceramics Hobby Shop.

No further information was provided regarding an informal request from the Naval Air Facility for \$3,000 to enlarge the picnic grounds at Minvielle Park, located

(Continued on Page 3)

Team of Experts Formed

He began putting together a team of experts, all of whom specialized in working with various components of the A7 avionics system, called the NWDS (Navigation and Weapons Delivery System). These men included Dick Seeley, Bob Forrester, John Hoyem, Rod Lubben, Al Pratt and others under their direction.

The first in-house developed OFP was the NWC 01-11-3, which is now installed in the

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Discussion slated on new Fed'l directive pertaining to possible conflicts of interest

Based on a Federal standards of conduct directive, a new NWC Instruction will require GS-13s and above (and certain other employees) to disclose their outside employment and financial interests in order that this information can be reviewed for any possible conflict of interest.

Because of the belief that this NWC Instruction should be of broad interest to Center employees, the implications of this new requirement will be discussed at a meeting arranged by the China Lake Chapter of the American Society for Public

Administration (ASPA).

The ASPA meeting, a luncheon affair, is scheduled next Friday, April 25, starting at 11:30 a.m. in the Mojave Rm. of the Commissioned Officers' Mess. Guest speakers will be Robert L. Metz, the NWC Counsel, and Cdr. M. J. Cowell, Staff Judge Advocate.

Those interested in attending are asked to call the COM before 9 a.m. next Friday to insure that adequate seating arrangements for the meeting can be made.

Burroughs bands to present 'Spring Fling' tonight at Lecture Ctr.

The varsity and cadet bands of Burroughs High School, under the direction of Russell Parker, will present a concert tonight at the high school's Lecture Center, beginning at 7:30.

Called the "Spring Fling," the program will feature a variety of numbers, solos and musical groupings by both bands.

Admission is \$1 for all. Tickets will be available at the Lecture Center door prior to the concert.

The program for the Cadet band will include the "Theme from Summer of '42," by Michel Legrand; "Coat of Arms," a concert march by George Kenny; "A Contemporary Percussive Selection," and selections from "Music Man," by Meredith Willson, and many others.

The Varsity band will play the "Walt Whitman Overture," and "Kentucky, 1800," by Clare Gruneman; "New Ragtime Follies," and the coronation march, "Crown Imperial," by William Walton.

In addition, Stella Pakulak will play a flute solo in "Reflections," by Roger Nixon.



ANCIENT CEREMONY CONDUCTED — Lcdr. Aquinas J. Smith (right, center), NWC Catholic chaplain, officiated this past Sunday during a blessing of the animals ceremony. This was the first time this annual ritual was held at China Lake. It is a carryover from ancient times when priests blessed the fields and flocks each spring because of the people's dependence on their animals for their livelihood and sustenance. Holy water was sprinkled on animals ranging in size from horses and colts to household pets such as cats and dogs.

Vet of 32 yrs. work on guided missiles, warhead fuze components to retire

Thirty-two years of Federal service, including three years on active duty in the Navy (May 1943 to June 1946), comes to an end today for George R. Bastedo, head of the Components and Quality Assurance Branch in the NWC Fuze Department's Engineering Division.

An electronics engineer who was graduated from Pratt Institute (Brooklyn, N.Y.) in 1933 and from New York University in 1936 with a bachelor's degree in electrical engineering, Bastedo can trace his work in connection with guided missiles and components for warhead fuzes from World War II up until the present time.

His lengthy Civil Service career has included work with the Navy's Bureau of Ordnance and with the Bureau of Standards in Washington, D.C., prior to moving the Bureau of Standards' Missile Development Division to Corona, Calif., in 1951. In 1953, this facility became the Naval Ordnance Laboratory (still a part of the Bureau of Standards), but in 1969 its name was changed to the NWC Corona Laboratories.

Two years later, Bastedo was among the former NWC, Corona, personnel who moved to China Lake when the Fuze Department was transferred here.

He admits to being not too keen about moving to China Lake from his home in Riverside, but has since grown to like the desert and particularly the association he has had with his co-workers in the Fuze Department and other departments of the Naval Weapons Center.

Bastedo, who joined the Navy in 1943 as an ensign, was discharged three years later

with the rank of lieutenant. His military service included a year spent attending a Navy Radar School before he was assigned to the Bureau of Standards Guided Missile Unit in Washington. There he worked on such forerunners to present-day guided missiles as the Bat, a radar homing missile.

Upon being discharged from the Navy, "all I did was take off my uniform and continue work," Bastedo recalled. In October 1947, while a Navy BuOrd employee, he made his first trip to NOTS, Inyokern.

The following February, Bastedo's preference for working more with hardware than handling paper work influenced his decision to transfer from BuOrd to the Bureau of Standards in Washington and, while there, he was involved with work on the Petrel — a guided missile that carried a torpedo for a payload.

Moved to California Ralph Lamb, a name familiar to old timers in the guided missile field, headed the Bureau of Standards' Missile Development Division at that time, Bastedo noted. When the Bureau's Naval Ordnance Lab was transferred to Corona in 1951, this move brought Bastedo and others to California to continue their work — most of which was being done for the Navy.

His responsibilities were mostly those of a branch head at NOL, Corona, where he worked on special components, such as a thermal battery for the Sidewinder guided missile fuze and microwave oscillators for the Terrier missile fuze. He and his co-workers helped select components and run tests on them in the laboratory, since development work was handled by outside contractors.



George R. Bastedo

capacitor and used to fire a squib that initiates the ignition of a missile warhead. In addition, Bastedo helped to develop a number of special methods for the testing of components for fuzes.

Bastedo was married in 1946, just prior to receiving his discharge from the Navy, and he and his wife, Mary, have two daughters. The oldest one, Jean, has a BS in mathematics and is employed as a school teacher in Banning, Calif. The Bastedos' younger daughter, Deborah, recently received a master's degree in biochemistry at the University of California at Riverside, and is now continuing with her studies toward a Ph.D. degree in this same field.

A member of two honorary engineering fraternities at NYU—Tau Beta Pi and Iota Alpha—Bastedo also is a senior member of the Institute of Electrical and Electronics Engineers, and is qualified as a professional engineer by the State of New York.

His present plans call for a leisurely trip by trailer to visit relatives in the New York area before he and his wife return to their former home in Riverside.

PROMOTIONAL OPPORTUNITIES

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 652, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 654 or 657). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Plasterer, WG-3405-09, JD No. 442 (2 vacancies) Code 70424 — Incumbent applies plaster, cement, stucco, or similar material to wall, ceilings, and other surfaces to provide insulating, weather-proof or decorative surfaces, in the construction, maintenance, and repair of buildings.

Elevator Mechanic, WG-5313-11, JD No. 281, Code 70431 — (temporary not to exceed one year.) Inspects, tests, overhauls and repairs various types of automatic, semi-automatic, or manually operated freight of passenger elevators making both mechanical and electrical repairs and adjustments.

File applications for the above with Dora Childers, Bldg. 34, Rm. 210, Ph. 2022.

Supervisory Engineer, Physicist, Mathematician, GS-800-14, GS-1310-14, GS-1520-14, PD No. 7540024, Code 408 — This position is head, Survivability and lethality Division, Aircraft Systems Department. Incumbent provides direction and leadership to the efforts of the division. The Division function is to provide all necessary analytical, technological and systems engineering implementations essential for increasing the survivability potential of Navy air and surface weapons systems. The division also provides expertise in the complementary field of weapons lethality evaluation including weapons characterization, weapon effects and terminal end gaming. Incumbent is a member of the Aircraft Systems Department Technical Council and participates in department technical and personnel direction. Job Relevant Criteria: Must have experience managing technical personnel. Must be proficient in the fields of weapon system effectiveness, aircraft vulnerability and survivability and military operations. Possible promotion potential: GS-15. Those who previously applied for this position as advertised 411-75 will be considered and need not reapply.

File applications for the above with Charmine Siewkowski, Bldg. 34, Rm. 204, Ph. 3118.

Supervisory Physicist GS-1310-12 or 13, PD No. 7451049AMI, Code 3142 — This position is that of the Infrared Measurements Branch of the Air Weapons Department. Incumbent provides leadership to the branch as it conducts radiation signature, background and atmospheric measurements of airborne and surface targets in the ultraviolet, visible and infrared spectral regions.

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DIVINE SERVICES

PROTESTANT 1015 Sunday Worship Service 0900 Sunday School — All Ages 1130 Wednesday Noon Bible Study 1130 Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.

ROMAN CATHOLIC MASS 1700 fulfills Sunday obligation 0700, 0830, 1130

BLESSED SACRAMENT CHAPEL MASS 1135 Daily except Saturday

CONFESSIONS 1545 to 1645 0800 to 0825 Saturday Sunday

RELIGIOUS EDUCATION CLASSES 1015 Kindergarten thru 6th grades 1130 Pre-school 1530 First thru sixth 1900 seventh & eighth (Junior High)

Above classes are held in Chapel Annexes across from Center Restaurant. As announced

Ninth thru 12th grades "In Home" Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES EAST WING — ALL FAITH CHAPEL Friday 1st and 3rd ONLY — (Sept.-May) Sabbath Services 2000 0900

UNITARIANS CHAPEL ANNEX 95 Services — (Sept.-May) 1930

Employee In The Spotlight

When Bob Freedman came to China Lake, rent for a two bedroom old duplex was \$29 per month, furnished. A visit to a doctor cost \$1, and hospitalization at the Navy Dispensary was \$5 per day, regardless of how much treatment—including surgery—that a patient received.

That was in 1945. Bob, the A7 Program Office manager who recently celebrated 30 years of employment at the Naval Weapons Center, can remember eating at the mess hall for 70 cents a day. "That was for breakfast, lunch and dinner," he pointed out.

"There are a lot of \$35 babies now living in the valley," Bob said. In those days, a new mother was hospitalized for seven days. Bob noted a great many other changes, but those were the most drastic. He, too, remembers the "termination winds" that used to blow so much sand around (because of all the extensive construction work) that many employees left after experiencing one of the big blows.

Car Badly Damaged "I once lost a paint job and windshields driving just a few blocks in one of those big winds. Even the numbers were blasted off my license plates," Bob recalled.

China Lake is a drastic change from Manhattan in New York City where Bob was born. He was graduated from Townsend Harris High School in Manhattan and then, adhering to Horace Greeley's advice, went west. He attended the University of California at Los Angeles where he majored in history. In his senior year, Bob quit college to "aid in the war effort." That was 1942.

Bob went to work for Hughes Aircraft Co., first as a lofting trainee, then a template maker, and finally as a mathematician. He did the math work for the laying-out of the "Spruce Goose," the famous wooden-hulled flying ship — the largest ever built — now housed in Long Beach awaiting some sort of decision as to its fate.

In April 1945, Bob came to China Lake. He was hired as a mathematician in what later became the Aircraft Projects Branch in the old Experimental Department. Paul Flahive was his boss.

Many Changes Observed "Essentially, I've been in the same organization since, but there have been a lot of changes," Bob said.

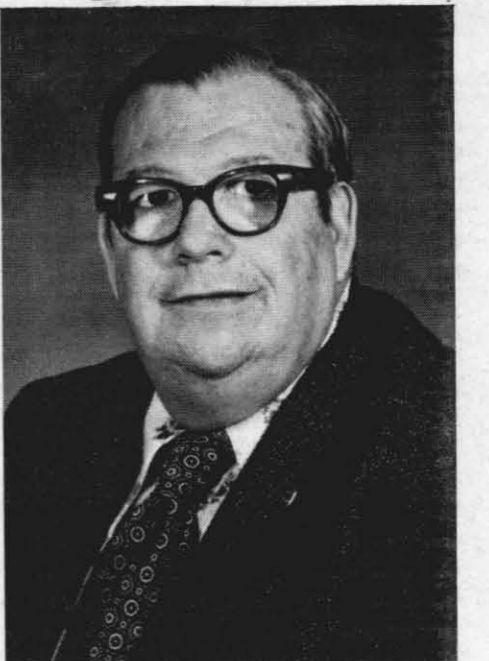
When the Aviation Ordnance Division was formed with Dr. Bill McLean as the division head, Bob became staff assistant to George Pettengill. In 1950 the division became a department and Bob joined the department staff. When Joe Hibbs was selected to head the new Aircraft Projects Branch, Bob went with him to help with the organization. He stayed on with that group as the assistant to Dr. Albert Hoyem, the division head.

In 1964, he became involved in doing flight test work under Robin Fuller and was made flight test engineer of the CP 741/A flight test program and that led to his affiliation with the A7 program. During Bob's tenure with the CP 741/A program, he made six trips aboard aircraft carriers, including three voyages to Vietnam.

Technologist at hospital laboratory to present talk Mon. A talk about "Automation in the Laboratory" will be presented at Monday night's meeting of the Indian Wells Valley Nurses Club.

The meeting will begin at 7:30 p.m. in the recreation room of the Ridgecrest Community Hospital, and the speaker will be Joan Wood, the local hospital's head technologist.

Lynn Kushnir, president of the Nurses Club, has extended an invitation to attend to all registered nurses, licenses vocational nurses, student vocational nurses, and others whose work is related to the field of medicine.



Robert J. Freedman

Bob has been a mainstay of the China Lake community. He was honored a couple of years ago for the contributions he made to the local Little League program. In 1952, Bob helped organize Little League here and served as president of the board of directors from 1960 to 1963. The two diamonds currently in use by the league were built during his presidency.

He received the Vaughn Adamson award from the Burroughs High School Key Club in 1963 for his support of youth activities.

Former EWA Bd. Member As a member of the Employee Welfare Association's board of directors (this group was the forerunner of the China Lake Community Council), Bob wrote a weekly column for The ROCKETEER entitled, "Scuttling the Scuttlebutt," which was more or less a question and answer column from the Center's Commanding Officer. "In that column I also dispelled rumors that were flying around the Center about various matters," Bob recalled.

He also wrote a bowling column for the Valley Independent newspaper in Ridgecrest.

When Bob finished his work with Little League, Capt. Charlie Blenman, then Commander of the Naval Ordnance Test Station, asked him to serve on the Military-Civilian Recreation Council. Bob put in two years with that group.

He also served as a Cub Scout official and his wife, Mickey, is a former den mother.

Bob met Mickey at a UCLA fraternity party. She was a blind date. The couple was married 16 days later and recently celebrated their 22nd anniversary.

They have two sons. They are Lyle, who lives in Austin, Tex., with his wife, Lynn. He is attending postgraduate school at the University of Texas, and is working on a Ph.D in psychology. David is majoring in the Humanities at California Poly at Pomona. He is a junior.

Mickey also is quite active in the community. Over the years she has served as chairman of the board of directors for the local American Red Cross, been vice chairman of the United Fund, chaired the first antique show to help establish the Maturango Museum, organized the Friends of the Museum, and has done publicity work for the Neptune Ball and the WACOM Wildflower Show.

In addition, she has held various offices in the Oasis Garden Club, including Civic Beautification chairman for three years. Mickey was a park commissioner for the China Lake Community Council and (together with Lorraine McClung) helped establish the Anne Etheridge playground in Desert Park.

She now enjoys swimming, walking, gardening and reading. Recently, she has taken up writing fiction and keeps busy at that pastime.



WACOM FASHION SHOW HELD — Approximately 250 people attended the Spring Fashion Show staged by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) on April 8. A variety of wearing apparel — 59 different fashions in all — were modeled under the direction of Marlene Paige and show chairman Eleanor Lotee. Mrs. Lotee was ably assisted by Ditty Riggs. Some of the fashions displayed are shown in this montage of photos. They are (top row, l.-r.) Yvette LaPierre, wearing an animal-covered overall over a sweater made by the young lady; a flowing pajama pant and halter combination, modeled by Sylvia Uhe; and a green and white suit, featuring butterfly sleeves, worn by Susan Stull. In the center, Debbie Joy Raines (l.) is joined by Esther Osman. The young Raines girl shows off a pink and white check dress, with apron, while Mrs. Osman is seen in a crisp white dress and Navy jacket. At bottom, left, Jean Boyd models a powder blue jacket and pants suit, while Sharon Zabel (c.), stole the show in a number titled "Complexity Pattern No. 0001." At right, Debbie Magorian looks sweet in a candy wrapper covered jean outfit she made herself, and at bottom, Ted Lotee is prepared for any formal occasion in a white dinner jacket with black trim. He is escorting Mrs. Uhe, who is wearing a long coral creation that is trimmed with ruffles along the neckline. The show, labeled a huge success, featured clothing made by WACOM members from patterns manufactured by Butterick, McCall's, Simplicity, Stretch & Sew, and Vogue, and some original patterns worked out by the members themselves. —Photos by Ron Allen

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Incumbent supervises and directs branch projects and conducts fundamental studies to conceive and develop new techniques and methods applicable to infrared measurements. Job Relevant Criteria: Knowledge of statistical techniques utilized in infrared background analysis and Fortran programming. Demonstrating supervisory experience with optical multiplexing sensors, radiometric and spectrometric measurement instruments, electronic instrumentation for field measurements, and infrared detectors and materials. Promotion potential to GS-13. File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Accounting Technician, GS 525-5, PD. No. 7317099AMI, Code 0882 — Incumbent is an accounting technician located in the Travel Control Unit, Cost Accounting Branch, Office of Finance and Management. Controls and maintains cost accounting records and subsidiary ledgers for all NWC ravel and related costs chargeable to the Navy Industrial Fund (NIF). Each week the incumbent reconciles entries made by the General Accounting Branch to the weekly DES journal of transactions. Maintains subsidiary ledgers for all travel accounts. Follows up on all unliquidated travel advances. Job Relevant Criteria: Knowledge of NIF, knowledge of NWC cost accounting system; must be able to deal tactfully and effectively with people. Promotion Potential to GS-6.

File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2723.

Pipefitter, Foreman, WS-4002-09, Code 70 — Qualifying trades: Pipefitter, Plumber & Pipecoverer & Insulator. Candidates must attain basic eligibility by having

technical knowledge to demonstrate sufficient trade or technical knowledge to supervise adequately at the first full level of supervision. In addition, applicants must possess enough knowledge and abilities in the elements listed below to perform the duties of the position in the trades supervised: Ability to supervise, technical practices; ability to interpret instructions and specifications; knowledge of materials, knowledge of pertinent tools and equipment. Applicants should answer all appropriate questions on the supplemental forms because the completeness of these forms may affect their rating. File SF-172 and Supplemental Wage Grade Supervisory Information Sheet with the Special Examiner, Code 652, China Lake, CA. Forms may be obtained in the Personnel Bldg., Rm. 100 beginning on April 21 and must be filed not later than May 5.

File applications for the above with Betty Geiser, Bldg. 34, Rm. 102, Ph. 2657.

Job Opportunity

Supervisory Recreation Aid, PS-0189-5 (\$2.86 p.h.) This is not a Civil Service Job. Applications solicited from other than Civil Service employees. The position is located in the Center Gym, Special Services Branch, Office of Finance and Management. Incumbent schedules gymnasium and swimming activities. Schedules work hours for and supervises lifeguards and gym recreation aids. Ensures cleanliness of and makes minor repairs to gym and pool equipment. Prepares attendance and other reports. (This position was previously advertised on 3-28-75; previous applicants will be considered and need not re-apply.)

File applications for the above with Elizabeth Sodergren, Bldg. 34, Rm. 206, Ph. 2676.

The Rocketeer Official Weekly Publication Naval Weapons Center China Lake, California RAdm. Rowland G. Freeman III NWC Commander Dr. G. L. Hollingsworth Technical Director C. E. Van Hagan Head, Technical Information Department Don R. Yockey Editor Jack C. Lindsay Associate Editor Diane Corvett Editorial Assistant Ron Allen, Maurice Dias Staff Photographers

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Wilt's Corner

44 teams register for play in 1975 softball leagues

By Wilt Wyman

At least 44 softball teams have signed up to participate in the China Lake Intramural Softball League's five divisions.

This past week I have been conducting organizational meetings with team managers, coaches and players' representatives to outline some of the rules and regulations that will govern play this year.

The league will officially begin competition in May. The five different divisions are fast pitch, women's, slow pitch, and two recreation divisions. I am still accepting entries. Deadline for filing applications is 2 p.m. on Friday, April 25. All entry fees must be paid at that time.

Practice times will be assigned through my office. Practice schedules are available now and may be picked up at the gymnasium.

Physical Fitness Class

The women's physical fitness class will learn about a variety of diets and special exercises to promote high energy, weight loss and figure toning during the next few weeks.

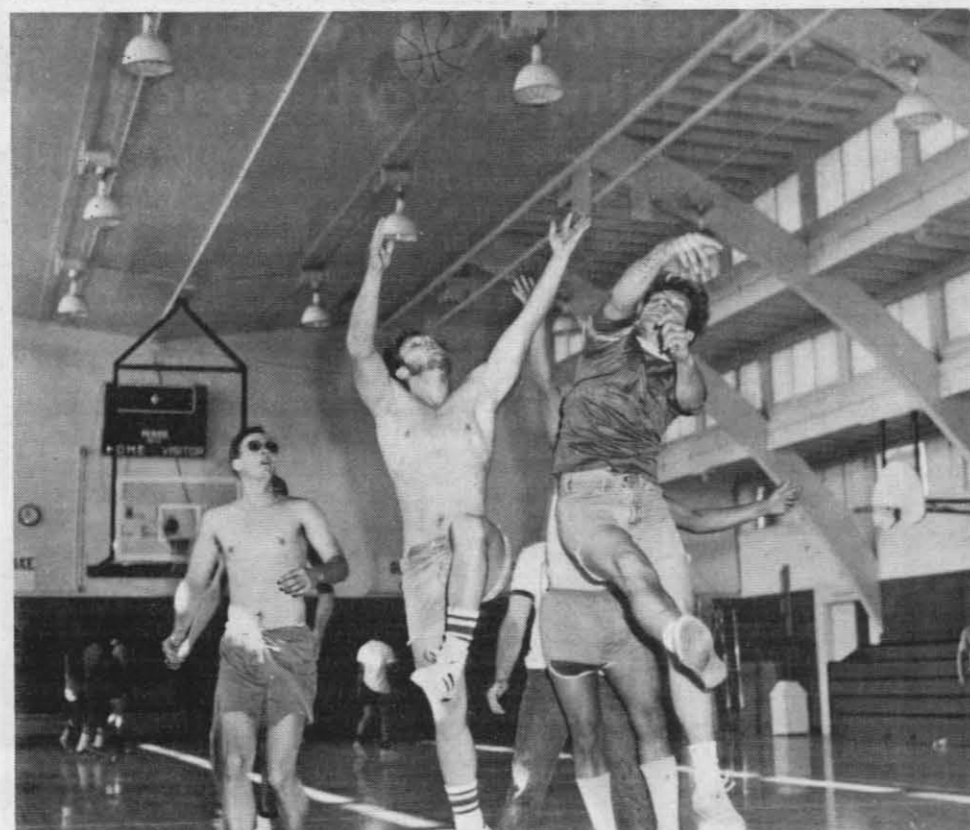
Sheila Miller, instructor, has issued an invitation to all women who want to lose a little weight to join her group on Monday evenings from 6 to 9 o'clock, or Thursday mornings from 9 to 11.

Youth Center Classes

Classes in baton handling, judo, wrestling, boxing, archery and softball are currently being held — or will soon begin — at the NWC Youth Center.

Girls who want to learn the basic techniques of softball are invited to participate in a special program for them, provided they meet the age requirements.

For more information on any of the above items, contact Carol Hape by calling NWC ext. 2909 or 2259.



SPRING OLYMPICS UNDER WAY — The NAF Spring Olympics got under way on Monday and will end today with a picnic and tug-o-war at the NAF pool area. Basketball action between two competing teams is shown above. The basketball competition was won by the team composed of men from the NAF Ordnance, Maintenance Control and Material Control shops. A complete report on the Spring Olympics will appear in the April 25 issue of The ROCKETEER.

Center sports notes

Dean O. Ray, manager of Hall Memorial bowling lanes, announced recently that two members of the Monday Special Education bowling classes chalked up a pair of unusually high games.

Barry Seale notched a 226 scratch game and Ruben Janes tallied 221 while bowling in the league last month.

The ROCKETEER offers its congratulations to the two young men for their outstanding games.

Bicycle Moto-X Results

Results of the bicycle moto-cross held on

Sunday, April 6, have been released by the Youth Center, co-sponsors of the event with Frisbee's Bicycle Shop in Ridgecrest.

Grady Morris took first place in the midget division (10 years of age and under), with Yurko Afendykiw, second, and R. J. Rogerson finishing in third place.

In the junior division, David Tharp pedaled home the winner, just ahead of Ben Swann. Greg Gire placed third.

Jeff Paige won the senior division, while Ron Johanneke was second and Steve Koehler finished third.



By Jack Lindsey

Jack Nicklaus is on his way to the realization of one of his dreams — winning the grand slam of golf.

This feat was accomplished only once, by Bobby Jones in 1930. Jack won the first leg of the slam — the Master's tournament in Augusta, Ga. — last weekend.

It wasn't an easy victory. The Golden Bear had to fight off challenges from Tom Weiskopf and Johnny Miller. His 68 on the final day was enough, however. Miller fired an inspired 66, following on the heels of a blistering 65 on the third day, and Weiskopf, the third round leader, slipped to a 70 on the final day.

This is the fourth time that Weiskopf has finished second in the Master's tourney.

I can't see anyone — even the indomitable Nicklaus — winning the Grand Slam. There are far too many golfers on the tour capable of winning at any time. In Bobby Jones' day, he dominated the game, although there were a number of good golfers playing. But not as many as these are today.

The four tournaments that make up the Slam have changed as well. In 1930 it was the U.S. Open, the British Amateur, American Amateur, and the British Open.

Today, the big four tournaments are the Masters, U.S. Open, British Open and PGA. In his lifetime of golf, which ended in 1930 after he had won the Slam, Bobby Jones, an amateur, won 13 major championships. Nicklaus' goal was to win more than Jones. The Masters last weekend was his 15th major victory. Now, Big Jack wants to win the Slam.

I'd like to see it done, for history's sake. I wasn't alive when Bobby put together his four victories. But, in reality, I don't think it's possible.

Track club schedules

10-mile run on May 4

The Over-the-Hill Track Club will stage its annual 10-mi. run on Sunday, May 4.

The club will present special "Over-the-Hill Track Club" shirts to all runners who negotiate the 10-mi. course in 1 hr., 35 min., or less. Following the event, a "bring your own goodies" picnic is planned at the Inyokern Park.

Donations from club members will be \$2, while all non-members who want to run in this event will be charged \$4.

The route for the race will be along the old section of Highway 395 from the place where it intersects with S. China Lake Blvd. to Inyokern Park.

For more information, contact Dick Hughes by calling 375-4194, or Wade Swinford, 375-5260.

Pistol training offered

The Sierra Desert Gun Club will conduct a six-week course on the basics of pistol marksmanship beginning May 11 and ending June 15.

Formal registration will be held on Sunday, April 27, from 2 to 4 p.m. at the clubhouse, located on Sportsman Rd.

Centerites to enter 125-mi. sailing race

Five Naval Weapons Center employees will "get away from it all" by joining forces as skipper and crew members of a 36-ft. Columbia-type sloop that will be entered in the annual Newport Beach to Ensenada, Mexico, sailing race.

The 125-mile race will start at noon on April 26, Ruel Cameron, owner-skipper of

the sloop "Tahuna" reported. Cameron, who is a budget analyst in the Office of Finance and Management, will be joined by Dan Lydon and Bob Bonner, as watch captains, and Lane Mead, Fran LaPierre, Dean Alfred and Sam Walker, as crew members.

Lydon is an electronics technician in the

Anti-Ship Weapon System Office (Code 3014), while Bonner and Mead are the associate program manager and assistant program manager, respectively, in the Harpoon Production Office (Code 55305).

LaPierre, another of the crew members, heads the Telemetry Branch (Code 3735); Alfred is manager of the Lockheed Electronics Co. in Ridgecrest, and Walker, a former local resident and graduate of Burroughs High School, is an employee of San Bernardino County and works in Redlands.

Cameron, who has sailed on smaller boats in the past, became the owner of the "Tahuna" last July, and keeps her moored in a private slip at Long Beach.

In preparation for the Newport to Ensenada race, he and his crew have been practicing for four months in every kind of weather. They also have been competing in races held by the Navy Yacht Club at Terminal Island and out of San Diego, and have gone out to sail overnight just for the additional experience.

More than 550 sailboats, ranging in size from 24 to 71 ft. in length, will be entered in the April 26 event, which is sponsored by the Newport Ocean Sailing Association. Entries will be divided into 14 classifications, and the "Tahuna" will vie in the 35-to-37 ft. class, which is expected to have the largest number of contestants.

If everything is normal (weatherwise) the first entries in the Newport to Ensenada race will finish the 125-mile run in 18 hours, but there will be a lapse of 54 hours between the start of the race and the awards banquet at which perpetual trophies will be presented to winners and top runners-up in the various classifications.

After the Newport to Ensenada race, the "Tahuna" and her crew are scheduled to enter the Tri-City (San Diego, Oceanside and Newport) race on the weekend of May 3.



READY FOR 125-MI. RACE — The "Tahuna," a 36-ft. sloop owned by an NWC employee, Ruel Cameron, will be among the more than 150 sailing craft competing in the Newport Beach to Ensenada, Mexico, race that will begin at noon on Saturday, April 26. Four of the other deep sea sailors on the "Tahuna" (in addition to Cameron) also are Center employees.



PAT LEOPARD HONORED — Rear Admiral R. G. Freeman III, NWC Commander (l.), presented a certificate of appreciation to Pat Leopard for her work in coordinating the highly successful TV Booster fund drive, launched last December and still under way. The certificate was signed by the Skipper and Bob Fletcher (peering over Mrs. Leopard's shoulder), president of the China Lake Community Council's board of directors, operators of the two TV booster stations. The presentation took place during a surprise reception given for Mrs. Leopard by the Community Council at the Commissioned Officers' Mess. During the reception, she also received a pair of earrings from the members of the council and a replica of the Ridgecrest City Seal from Mayor Rex Shacklett.

\$30,380 Raised

First walk-a-thon for benefit of March of Dimes huge success

The High Desert Junior Woman's Club, an organization formed here less than two years ago, raised \$30,380 (provided all pledges are collected) with their first March of Dimes Walk-a-Thon.

The event, which took place on Saturday, saw 1,080 walkers register and 1,056 complete the 12-mi. route that took the participants from the Desert Empire Fairgrounds to Richmond School, McBride Park, the Ridgecrest Plaza and back to the fairgrounds.

"The response was simply incredible," said Nancy Mohr, chairman of this event for the Woman's Club. "We hadn't dreamed that this many people would participate in the Walk-a-Thon," she added.

A number of prizes were distributed to those entrants who completed the walk in different categories. Dick Hughes, the "Cinderella" of China Lake track fame, completed the route in 1 hr., 15 min. by jogging the entire distance. "I was pacing myself at somewhere between a walk and a trot," Cinderella said.

The first female to cross the line at the fairgrounds was Regina Schuetz, while Blair Zurn was the first walker to complete the route barefooted. Other prize winners were Denise Fletcher, who was the first roller skater to finish; Richard Coombes, who made the "walk" entirely on a skate board; Ruth Darling, 70 years old, was the oldest person to complete the walk; and Joey Cook, who was at first thought to be the youngest competitor to complete the walk. Joey is six years old. However, it was later learned, Tommy St. Clair, 5 also competed. He was given an award for the first

Panel discussion slated on Freedom of Information Act

A panel discussion on the Freedom of Information Act and its ramifications locally and nationally will be held next Thursday, April 24.

This meeting is co-sponsored by the Society for Technical Communication (STC), the American Society for Public Administration (ASPA) and Cerro Coso College's National Affairs Seminar.

Panelists will be Robert L. Metz (JD), NWC counsel; Harry D. Parode, public information officer, and Dave Miller, managing editor of the Daily Independent. The meeting will be held at 7:30 p.m. in Panamint Hall of the Community Center. All interested persons are invited to attend.

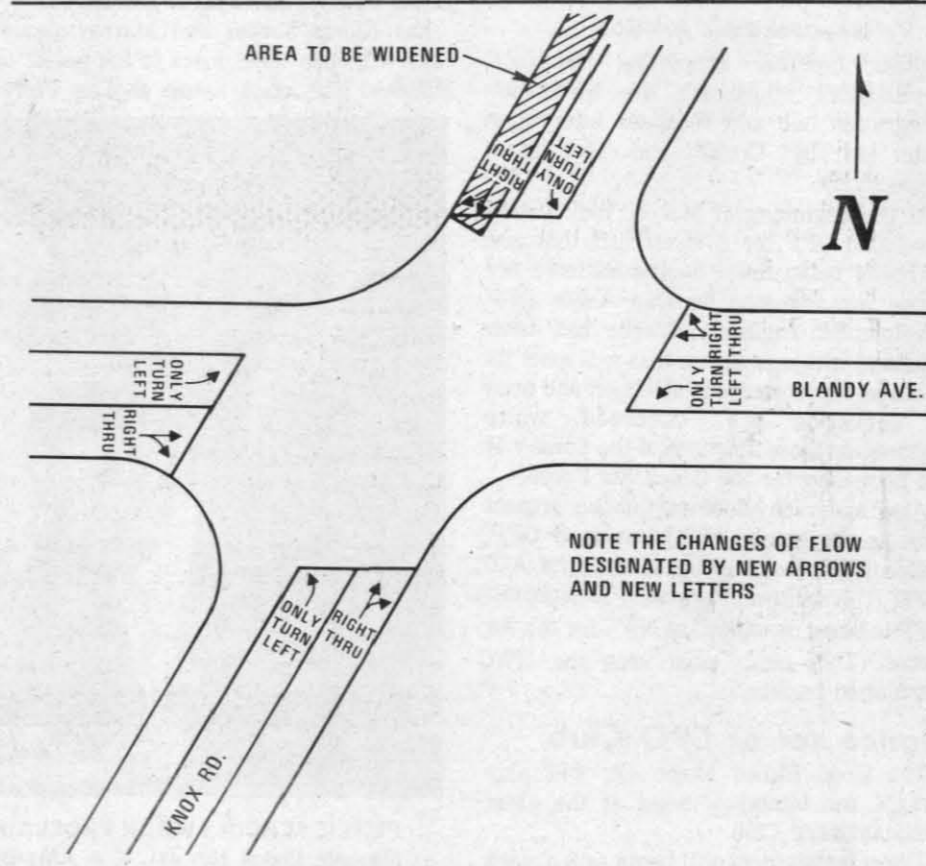
youngster his age to finish the event.

However, according to Mrs. Mohr, all prizes that were handed out at the end of the event, were donated to Joey Freeland, a victim of cerebral palsy, who cut the ribbon to signal the beginning of the Walk-a-Thon, and then traversed the 12-mi. route on foot himself with the aid of his father.

"More than 75 persons, not counting extra officers from both the Ridgecrest Police Department and the China Lake Police Division who helped control traffic, participated in staging this event," Mrs. Mohr pointed out. "These people helped with registration, at check points, with the food table, and by driving 'poop-out' vehicles," she added.

The Junior Woman's Club also gave a big thank you to the Burroughs High School Stage Band, under the direction of Michael Garrett, whose members entertained for hours at the fairgrounds following the event.

"We'd like to thank everyone — walkers and helpers — who had a hand in the Walk-a-Thon. It was a tremendous success," said Linda Bouse, woman's club president.



CHANGES DUE AT MAJOR INTERSECTION — Workmen involved in a major contract for the re-paving of streets, parking lots and aircraft runways on the Naval Weapons Center also have widened a section of No. Knox Rd. approaching the intersection of Blandly Ave. When this job is completed, motorists will have to be alert for new traffic flow patterns that are indicated in the sketch above.

Coordinator of TV booster fund drive honored at surprise fete

Pat Leopard, who has coordinated the TV Booster fund drive since it began in December, was the honoree at a surprise reception held Saturday evening at the Commissioned Officers' Mess by members of the China Lake Community Council's board of directors.

All of the directors were present with their spouses with the exception of Althea Gibson.

Also on hand to offer their congratulations to the vivacious, energetic Mrs. Leopard were RAdm. R. G. Freeman III, NWC Commander, and Mrs. Freeman; Dr. G. L. Hollingsworth, NWC's Technical Director, and Mrs. Hollingsworth; Dr. Rex Shacklett, Mayor of Ridgecrest, and Mrs. Shacklett; Dorothy Stapp, manager of the Inyokern Chamber of Commerce, and her husband, and Harry Parode, NWC's Public Information Officer, and Mrs. Parode.

Mrs. Leopard expressed surprise at the reception, and on two different occasions, shed tears when she was presented gifts from the Community Council and the City of Ridgecrest.

In a certificate of appreciation that was presented to her by the Skipper and signed both by him and Robert Fletcher, president of the Community Council's board of directors, Mrs. Leopard was cited for being the person most responsible for raising funds to keep "free" television on the air in the Indian Wells Valley. To date, more than \$86,000 has been generously donated to the fund drive by residents of the valley.

In addition, she received a pair of earrings from the members of the China Lake Community Council, and Dr. Shacklett pinned a replica of the Ridgecrest City Seal on her jacket lapel. "We don't give many of these away, but now you have one," Dr. Shacklett told a tearful Mrs. Leopard.

Rec Council meetings open to all...

(Continued from Page 1) adjacent to the NAF swimming pool. It was determined that this matter should first be submitted to the Shore Facilities Planning Board for appropriated fund support.

On still another matter of old business, Cdr. Nygaard stated that he is looking into and preparing a report regarding the adequacy and condition of camp trailers that are available for use by military personnel at NAF.

Because he feels there is a need for greater interest in Special Services' activities by individual members of the Recreation Council, Cdr. Nygaard asked for and obtained the following volunteers to cover specific programs. They are:

Don Stanton, who is chairman of the Community Council's TV-FM Committee, stated that work will probably be concluded this weekend on the installation of the first of four "borrowed" translators that will be used for a 30-day period in order that the operators of the booster stations might evaluate the equipment from four different manufacturers before purchasing translators for permanent use.

EMCEE Corp., of White Haven, Pa., has sent a translator that should arrive in the valley today or tomorrow. It will be installed on Channel 63 at the Laurel Mt. UHF transmitting site, and will re-broadcast KABC (Channel 7) programs.

Stanton, Dick Furstenburg and Lyle Johnson are prepared to make the installation in the shortest possible time. "However, reception of Channel 7 during the changeover will not be interrupted at any time," Stanton pointed out.

"Residents of the valley will still be able to receive Channel 7 over VHF from 'B' Mt.," Stanton said. "However, if local viewers want to see how the new translators will improve their reception — provided they are able to receive UHF transmissions — then they should tune in Channel 63 and observe for themselves," he added.

Stanton also noted that his committee would appreciate receiving comments from local residents regarding the color content and quality of the reception of the new channels. Please address such comments to the China Lake Community Council, P.O. Box 5443, China Lake, CA 93555.

In addition, he again reminded those who have not yet donated to the TV fund drive that they may do so by writing a check or money order payable to the Community Council and mailing it to the above address.

Dan Baker and LCdr. E. W. Brooks, golf; Chief J. S. King, bowling; Lou Sidney, Community Center activities; Lt. R. G. Engelhardt and Max Smith, adult athletic programs; Les Saxton and Steve Sanders, youth programs, and Lt. G. H. Averett and Lovic Thomas, hobby shop programs.

The chairman asked that a brief report on each of these areas be presented at the monthly meetings of the Recreation Council.

Cdr. Nygaard also reported that Capt. R. D. Franke, NWC Deputy Commander, has asked the Recreation Council to look into the possibility of an athletic or recreation club being formed. What is involved would be an overall waiver of current rules or regulations that apply to the use of various NWC recreation facilities, as well as the question of eligibility to participate in such a club.

The chairman asked Recreation Council members to encourage comments from their co-workers and neighbors regarding the question of forming an athletic or recreation club.

Turned over to the Recreation Council's golf committee was a complaint passed along by Lt. Averett, who stated that some Golf Club members would like to know why they have to pay a full year's dues when they play golf for only four or five months out of the year.

Cdr. Nygaard asked that a report covering all facets of this matter be prepared for presentation at the next meeting of the Recreation Council in order to enable the council to submit recommendations on this matter to the NWC Command.

Sailor of year...

(Continued from Page 1) Originally only for sailors serving in the Atlantic and Pacific Fleets, it was expanded the following year to include competition among personnel serving ashore.

The competition is open to all active-duty Navy personnel in grades E-4 through E-6. Three Sailors of the Year will be selected — one each from the Pacific Fleet, Atlantic Fleet and shore establishments.



RODEO QUEEN CANDIDATES—The six valley girls vying for the title of Desert Empire Rodeo Queen are shown above in a photograph taken at Bottom Acre Stables. The girls dressed in dark costumes are (l.-r.): Deborah Meggers, Jerri Butler and Jennifer Lee. The other three candidates are (l.-r.): Sue Porter, Ann Mettenburg and Carolyn Bracken. The rodeo queen will be crowned at 6 p.m. on May 3 at the Desert Empire Fair's rodeo grounds. —Photo by Ron Allen

A-7 Flight Simulation Facility...

(Continued from Page 1)

A7Es. Prior to that, the new simulation facility (headed by Rod Lubben) was responsible for validating contractor-delivered flight programs before their introduction into the Fleet. These included the "spec tape," which met all the contractual requirements made by the Navy when it first specified the new system.

The continuity of the program stemmed from the original A7 system — the NWC-developed CP-741/A analog computer, formerly known as the MK10 bomb director — that was installed on board the "A" and "B" models of the Corsair II.

In January 1973, NWC was officially designated by NAVAIR as the Software Support Activity for the A7E OFP.

Facility Operational in '71

The facility became operational in 1971 and now occupies Rm. 3250 of Hangar 3 at the Naval Air Facility. It is being used extensively in support of both the A7E and the Air Force's A7D. The latter also is supported at NWC by 11 USAF personnel (3 military and 8 civilian) who are assigned to Code 40408 specifically for that purpose in accordance with an Air Force/ Navy Interservice Support Agreement.

Lt. Col. J. R. Rozinek, of the Tactical Air Command, leads the military contingent, which includes Lt. Larry Cardinal and Sgt. Don Edman. The civilian force, all from Tinker AFB at Oklahoma City, is headed by Chuck Pierce.

The decision to develop the Simulation Facility has provided the Navy with the kind of tool it needed to develop and validate OFPs for the Corsair II aircraft. The OFP currently used by all A7Es in the Fleet was developed at NWC and is the first such computer program developed in-house by any of the services. The A7E Simulation Facility has proven to be invaluable in the development of these OFPs and is a precedent for similar facilities in support of new aircraft that employ digital computers as an integral part of their avionics system.

Special Equipment Used

The facility contains a Xerox Sigma-5 computer as the host computer (it simulates everything that surrounds the aircraft, such as atmosphere, equations of motion, and on board sensors), a Digital Equipment Corporation PDP-11/45 that works together with a Vector General Graphics Display system (these simulate the pilot's view), and special hardware (developed in-house) to interface the airborne computer with the simulated avionics components.

The airborne computer is an IBM TC-2 (AN ASN-91), used for navigation and weapons delivery. The other seven major avionics devices installed in the Corsair II are the Forward Looking Radar (FLR), a

Doppler Radar Set (DRS), a Head-Up Display (HUD), an Inertial Measurement Set (IMS), a Projected Map Display Set (PMDS), an Air Data Computer (ADC), and an Armament Station Control Unit (ASCU). The HUD, PMDS, and the airborne computer are the only three of the "big 8" avionics devices used as hardware in the simulation facility. However, many other A7E instruments, controls, and displays also are installed in the cockpit mock-up. The other five avionics sets are simulated mathematically in the Sigma-5 computer with the inputs and outputs for the TC-2 being provided by the special interface hardware in the exact formats and data rates expected by the airborne system.

Other employees assigned to the A7E program, instrumental in the development of operational flight programs working under the technical direction of Jim Hall, A7E project engineer, include the system integration engineers under Rich Bruckman, the navigation team under Luke Crews, the programmers and analysts under Dick Seeley, the flight test team under Woody Chartier, and John Saitz and his data reduction group. Cdr. J. J. Fleming, assigned from Code 14, is the project officer.

Other Facilities Available

Other facilities supporting the OFP development effort are the Navigation Integration Lab and Weapons Integration Lab, led by Crews and Bruckman, respectively.

At the beginning of March, the Center-developed OFP for A7H aircraft that are currently being flown by the Hellenic Air Force was released by Dan Allen, OFP development engineer. Greece has been provided with a program that will meet its needs as far as weapons selection and area of operation are concerned, while eliminating those functions of the Corsair II not necessary for the Greek Air Force.

Also under development at the present time is the second NWC-developed OFP, called NWC II. In addition, the first A7D GFE (Government Furnished Equipment) OFP is being developed at NWC for the Air Force. This effort also uses the NWC simulation facility.

Dance set at CPO Club

The Good Times Music Co. will play tonight and tomorrow night at the Chief Petty Officers' Club.

The entertainment will begin at 9 o'clock both evenings. George Barnard, club manager, noted that the festivities Saturday night will be highlighted by the annual bowling banquet, but the band will be playing for all members of the CPO Club and their guests.

HAPPENINGS AROUND NWC

Military and civilian personnel at the Naval Weapons Center who are fighting an overweight problem will have the opportunity to hear Cdr. Burton L. Knight on Monday speak about the U. S. Navy's "Shipshape Program."

Cdr. Knight, Commanding Officer of the Military Sealift Command at Long Beach, was appointed to head this program by the Bureau of Personnel. He was a wise choice. Cdr. Knight has recently lost approximately 90 lb. and is now "shipshape."

He will be at China Lake on Monday at 9 a.m. in the NAF Conference Rm. to talk with all interested military personnel about setting up a "Shipshape" group here.

All those who would like to become involved in helping with this program are asked to contact PN2 Mike Neubecker by calling NWC ext. 2054.

Banquet slated by Sigma Xi

Darwin Tiemann will be the featured speaker at the annual Spring Banquet of the China Lake Chapter of Sigma Xi.

Tiemann, a former Center employee, will present an illustrated lecture on his work with glow worms in both the IWV and in Brazil on a National Geographic-sponsored grant.

The banquet will be held next Thursday, April 24, at the Commissioned Officers' Mess. Social hour will begin at 6 p.m., with dinner to follow at 7 and the lecture at 8.

Tickets are priced at \$6 each. Further information can be obtained by calling either Steve Lee, at NWC ext. 7218, or Jerry Zaharias, NWC ext. 2966.

Hypertension lecture set

Dr. David Rausten, the NWC Industrial Medical Officer, will talk about hypertension on Thursday, April 24, in Rm. 1000-D of Michelson Laboratory.

Open house, special programs to highlight Public Schools Wk.

Public Schools Week will be observed in California beginning on Monday.

The Masonic Lodges of California are sponsors of this annual 5-day event, which is held to promote awareness among the public of the need for supporting public schools.

Locally, IWV Masonic Lodge No. 691, F & AM, headed by Edward Winnemore, Master, and Garth B. Anderson, senior deacon who is chairman of the Public Schools Week observance in the valley, has helped to organize a number of open houses at the valley's educational institutions.

Las Flores School and Murray Junior High will open their doors to the public on Monday. The open house at Las Flores

The lecture will cover hypertension's probable causes and treatment. It will begin at 1 p.m.

All interested persons are invited to attend.

Non-smokers to meet

Non-smokers who are interested in attempting to insure that they have clean air to breathe in enclosed areas are invited to attend a meeting in the Panamint Rm. of the Community Center on Thursday, April 24. The meeting will begin at 7:30 p.m.

Make arrangements for moving early

Civilian employees and members of the military stationed at NWC who anticipate a transfer or change of station this summer are urged to make arrangements for their move as early as possible.

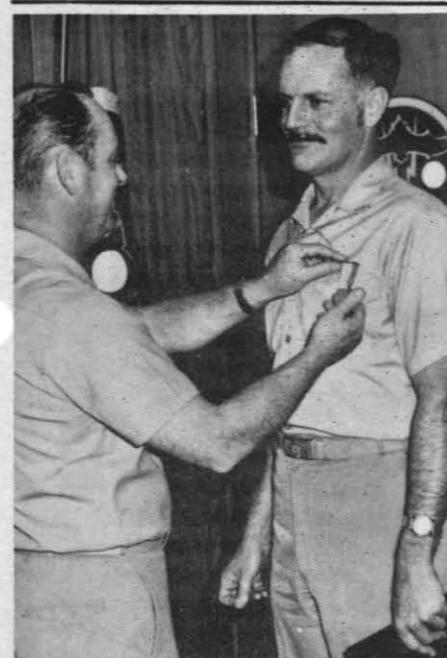
The vast majority of government reassignments and those from private industry are scheduled during the summer months to allow time for family adjustments between school terms.

As a result, the moving industry has more business than it can handle during this period and backlog and delivery delays result.

The customer who tries on June 20 to arrange a cross-country move with a delivery date on July 1, must expect to be disappointed. Many problems can be avoided by scheduling a move immediately upon receipt of orders.

Prospective customers should bring five copies of their orders to the Personal Property Office, Warehouse 24, between the hours of 7:30 a.m. and 4:30 p.m., Monday through Friday.

Early scheduling is not a guaranty of a completely problem-free move, but it is a great first step.



MEDAL PRESENTED—A medal which he earned while serving during the Vietnam War as a member of Attack Squadron 115 on board the USS Midway was presented recently by Capt. E. M. Crow (at left) Commanding Officer of Air Test and Evaluation Squadron Five (VX-5) to CWO3 Eugene K. Warner, who is the VX-5 avionics officer, served as VA-115's maintenance material control officer on board the Aircraft Carrier Midway. He is shown receiving the Republic of Vietnam's Armed Forces Honor Medal 2nd Class in recognition of his exceptional duty in support of Seventh Fleet efforts to halt the North Vietnamese infiltration effort during the period from April to December 1972. CWO3 Warner is a veteran of 24 years of service in the U.S. Navy.

Talk about desert visibility study set Monday by IEEE

Peggy Davis, program coordinator for the Mojave Desert Visibility Study, will talk to the members of the Institute of Electrical and Electronics Engineers at the group's regular monthly meeting on Monday.

The get-together will be held at 11:30 a.m. in the Mojave Rm. of the Commissioned Officers' Mess. A buffet lunch will be available.

The Mojave Desert Visibility Study is a joint effort by the Navy, Air Force and San Bernardino and Kern Counties to characterize the ambient air levels of the desert. It is also being conducted to determine the transport phenomena contributing to visibility degradation as opposed to local source generation. NWC is the program coordinator for the study.

Miss Davis, who received her BA and BS in physics from the University of Minnesota in Minneapolis, came to China Lake in 1971 and began her career here performing environmental monitoring studies for the State of California's Air Resources Board. She also worked previously on thunderstorm research at the National Oceanic and Atmospheric Administration in Boulder, Colo.

No reservations are required for the IEEE meeting, and all interested persons are invited to attend.

Technical Library to open at 9:30 a.m.

Snowden LaFon, head of the Technical Library, reminded all NWC personnel that beginning Monday the Technical Library will be open only from 9:30 a.m. to 4:30 p.m. weekdays.

An increased work load and staff reductions require curtailing public service hours so that shelving of materials, mailing of requests, and other administrative duties can be accomplished between 7:30 and 9:30 a.m.

Aetna man to pay visit

Jim Neffew, the Aetna Insurance representative, will be at the Community Center next Wednesday, April 23, from 9:30 a.m. to 1 p.m.

Early Music Quartet concert slated Tues.

The final program of the 1974-75 season will be presented by the China Lake Civic Concert Association on Tuesday at 8 p.m. in the Center Theater.

The Early Music Quartet of Munich, Germany, now touring North America, will appear here with a varied program of ancient instrumental and vocal music, featuring authentic instruments of the period.

Tickets for reserved seating will be on sale at the theater box office from 4:30 to 6 p.m. today, Monday and Tuesday. The tickets also will be available at the door prior to the performance.

Single admission prices are \$5 for adults and \$2.50 for students under 22 years of age and enlisted military personnel.

The Early Music Quartet got its start nearly 15 years ago. The group is composed of four musicians, all of whom play instruments. In addition, two members of the group double as vocalists.

Although the members of the quartet make their headquarters in Europe, only one, Andrea Von Ramm, a mezzo-soprano who was born in Estonia, is actually a native European. The others are American. Thomas Binkley, a specialist in plucked string instruments and winds, grew up in a small university town in Colorado. Sterling Jones, who performs on bowed string instruments, was raised on a farm in Illinois, and Richard Levitt, whose voice combines the tenor and counter-tenor ranges, is a native of Los Angeles.

The program the group has prepared for its appearance at China Lake includes music from the 12th, 13th and 14th Centuries. This concert will begin with "The Conductus," which is polyphonic music from the 13th Century. Four different numbers are included in this group of songs.

The second musical offering is entitled



The Early Music Quartet of Munich

"The Lay of the Fountain," from the 14th Century, and is written by Guillaume de Machaut. This is a religious work that is really a lengthy poem divided into a number of stanzas of varying length.

This will be followed by "The Motet," featuring music from the 13th and 14th Centuries. Four numbers make up this grouping of musical selections.

Following an intermission, the Early Music Quartet will present a selection of songs from the "Music of the Troubadours." The troubadour art stems from early 12th Century and began to decline in the 13th Century.

The final program offering will be "The Trouveres," which is music of musician-poets performed in the 12th and 13th Centuries.

The quartet was organized in 1960 in

Munich, Germany, where the members still perform. Their repertoire includes music from the 11th to the 16th Centuries which has been labeled anything but "primitive." Highly complex, the music played by the quartet has melody and rhythm and a certain affinity to elements of later-day avant-garde compositions.

Perhaps the best summing-up of the group's special art came from the magazine, "Chicago Today." In that publication, a critic wrote: "Four super talents, who proved that music from the early centuries doesn't have to wear a long face and can be a lot of fun."

Immediately following the concert, a reception for the artists will be held in the Plaque Rm. of the Commissioned Officers' Mess. All members of the audience will be welcome to attend.

Hundreds attracted to 1975 Art Festival

Hundreds of visitors thronged to the Community Center over the weekend to view the many paintings entered in the local area show of the Kern County Art Festival.

Kay Lee Delger's oil painting, "Cocktail Time," was selected as the sweepstakes winner of all blue-ribbon paintings from the adult amateur division by Mary E. Miller, Dorothy Ferguson and Betty T. Graves, a team of judges from the Bakersfield area.

Winner of the sweepstakes award in the high school division was Peter Frederick. His painting, done in acrylics, was entitled "Breath of Winter."

Other sweepstakes winners, all in the elementary division, were Sam Greenmun, a first grader at Inyokern School; David Garretson, a fifth grade student at Pierce School, and Brian Swanson, an eighth grader at James Monroe School.

Winners of blue ribbons in the elementary division, in addition to those mentioned above, were: Shawn Cunningham, Jamey Pryor, Carrie Bonner, Debbie Galloway, Ann Kratz, Kathleen Pogge, Carolyn Duvall, Traci Ann Cordell, Laura Lubben, Leslie Robinson, Denise Fletcher, Shaun Flynn, Jeanne Johantgen, Ray Shoblom, Monique Mosby, Billy Sumrall, Darrin Vavricka, John Elliott and Helen Berry.

High school division blue ribbon winners were Cheryl Randle, Tony Christiansen (two ribbons), Rex Smith, David Winkel, Chris Ortega, Karen Barron and Allen Guzman.

Blue ribbons in the adult amateur division went to Clifford Johnson, Stephen Linsteadt, Carole Lindeman, Loriene Hughes Gibson, Bev Atkins (two ribbons), Cecelia Higuera, Dede Spencer Huddleston, Connie Anderson and Isabella Wingate.

All blue ribbon winners will be exhibited in Bakersfield at the Cunningham Memorial Gallery during the month of May, along with other works of art from other areas of Kern County. As a deviation from past Art Festivals, the work in Bakersfield will not be judged. Instead, all art participants this year will receive an exhibitor's ribbon.



ART FESTIVAL WINNERS— Kay Lee Delger, who won the sweepstakes ribbon in the adult amateur division of the area show of the Kern County Art Festival last weekend, poses beside her prize winning painting, along with the sweepstakes winners from other divisions. The large painting in the foreground was created by Sam Greenmun, and the smaller work of art on the stand next to Mrs. Delger's oil painting was done by Peter Frederick. On the wall are David Garretson's winning entry (l.) and the sweepstakes winner painted by Brian Swanson, seen at the right.