

### Tryouts for 'Arsenic and Old Lace' to be held June 14, 15, 16

Tryouts for "Arsenic and Old Lace," the next production of the China Lake Players, will be held on Monday, Tuesday and Wednesday, starting at 7:30 p.m., at the Players' Hut, 405 McIntire St.

This stage play, which was a highly successful Broadway hit, revolves around the eccentric habits of a Brooklyn family. There are two adorable maiden aunts who decide they would be doing a good turn if they poisoned lonely old men in order to relieve them of their lonely lives.

One of the nephews, who believes he's Teddy Roosevelt, buries his aunts' victims in the cellar, while a second nephew, who is a drama critic, discovers a body and is panic stricken about what to do to save his beloved aunts from prison.

At this point, a third nephew (a sinister character) shows up with another dead body that adds to the already confused situation.

There are roles for 14 persons in "Arsenic and Old Lace," and the China Lake Players are looking for newcomers as well as veterans of local productions. Those who need them can obtain passes at the main gate Visitor Center in order to take part in the tryouts.

In addition to the acting roles, there also are openings for such backstage jobs as assistant director, working on the technical crew, or helping with props.

For more information, interested persons should contact Sandee Schwarbach by calling 375-9056.

### Cadette Scouting's highest honor goes to four local girls

Four local girls recently received Cadette Scouting's highest honor — the First Class award — in a ceremony held at the All Faith Chapel.

The girls, who are members of Girl Scout Cadette Troop 206 of China Lake and ninth graders at Burroughs High School, were Melody Breslow, Kathleen Coleman, Martha LaMarca and Peggy Schaniel.

The award takes two to three years to earn and is given to girls who have learned skills in the six categories of scouting: the arts, the home, the outdoors, citizenship, health and safety, and international friendship.

In addition, according to Mrs. Eileen Spellman, troop leader, "First Class Scouts have shared their knowledge and skills with younger Girl Scouts and others. They will continue to be of service, as they believe in living the Girl Scout Promise in their daily lives."

### Hobby Store Complex covers many areas

Opportunities for the "hobby-minded" person to use and develop his skills are offered by the facilities of the Hobby Store Complex, located in building No. 52, behind the Center Restaurant.

Items on display there include model planes, ships, rockets, trains and accessories, leather craft, plaque kits, candle making kits, bottle cutters and decoupage.

In the same building is the Electronics Hobby Shop, which offers TV and FM antennas, lead-in wire, speaker wire, radio and TV tubes and audio cables and adapters for the do-it-yourselfer.

In addition, recreation and camping gear are available in the camping issue section of the complex. Open hours for the Hobby Complex are 2 to 9:30 p.m. Tuesday through Friday and 9 a.m. to 4:30 p.m. on Saturday. Further information can be obtained by contacting Mike Kirme at NWC ext. 3252.

### Dance set at EM Club

Dancing to the music of the Doty Collins Group will be featured at the new Enlisted Men's Club tomorrow night from 9 until 2 a.m.

Dinner special for the evening will be meat loaf, served from 6 until 9:30.

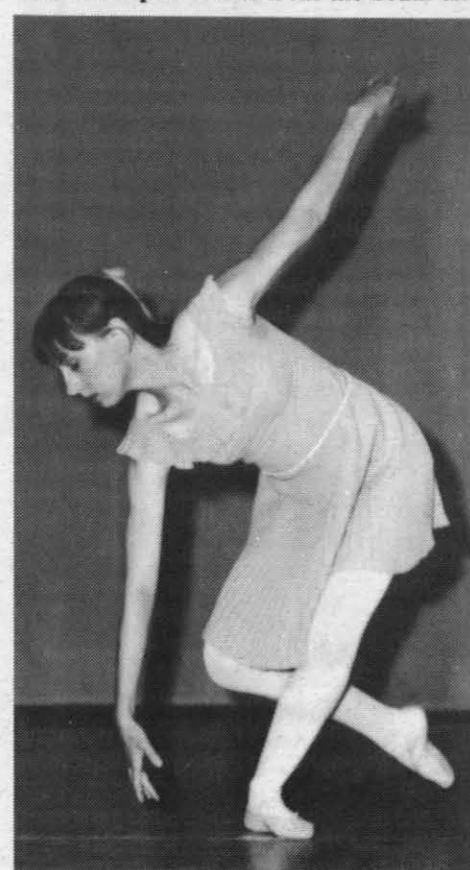


**PROMOTING GOOD RELATIONS** — Approximately 700 persons visited the open house held last week by the Police Division of the Safety and Security Department. According to Steve Kaupp, Chief of Police, "The public was inquisitive and seemed to favorably receive" this effort to foster good relations between the community and the Police Division. In the top row of photos, Detective Mike Moore demonstrates the new "inkless fingerprint process" to volunteers among the visitors; and Officer Darrell Bebee coaches a young sharpshooter who is viewing a training film that simulates a situation in which the potential use of firearms must be evaluated. In the bottom photos, Officer Bob White demonstrates search and arrest procedures of a "felony suspect" whose vehicle was stopped in front of a crowd of visitors at the police station. Actually, the "suspect" in this very popular demonstration was Sgt. Dennis Crager. At right, Officer Mike Williams shows a group of interested youngsters a portable, high-intensity spotlight which has the capability of illuminating very large areas. "I believe this was the most successful open house the police have held. All the Police Division personnel are to be commended on the fine results of their long, dedicated efforts and plain hard work," stated W. E. Davis, Director of Safety and Security. —Photos by Ron Allen

### Ballet Arts Theatre program to be presented Saturday, Sunday

The curtain at the Burroughs High School lecture center will go up Saturday night at 7 and again at 2 p.m. on Sunday for a Ballet Arts Theatre program that will feature a cast of professional and near-professional dancers in performances choreographed and costumed to carry out a Bicentennial year theme.

Music exclusively by American composers will provide the background for this hour-long ballet program by the students of Bette Jacks. Highlighted will be selections utilizing the minstrel music of Louis Moreau Gottschalk (born in New Orleans in 1829) and Leroy Anderson's "Chicken Reel" that will depict scenes from the South and



**BENEFIT BALLET** — Memories of the circus, a popular form of entertainment in America, is the theme of this dance selection entitled "Reverie" that will be presented by Terrie Jacks on Saturday night and Sunday afternoon at the Burroughs High School lecture center. —Photo by Dick Cruise

the hill country. Included among the program's stellar performers will be Gina Phillips, a Ballet Arts Theatre student since the age of five, who was accepted recently into the San Diego Ballet Company. Miss Phillips will continue to perform with the local group when she has no conflicting commitments.

For the coming program, she will portray the role of Lizzie Borden in a happy scene from Morton Gould's ballet suite "Cotillion."

Other highly talented dancers of the Ballet Arts Theatre who will share the center stage spotlight will be Margaret Cox, who will dance to the music from composer Aaron Copeland's "Appalachian Spring," and Terrie Jacks, who will present her own dance interpretation of George Gershwin's "Summertime."

Dancing to a variety of American folk tunes also will be included on the program, in addition to selections by the Ballet Arts Theatre's well-known Pink Panthers.

Proceeds from Saturday night's box office receipts will be donated to the Indian Wells Valley Association for the Retarded and used to help meet a portion of the operating expenses of the Sunshine House, an activity center for the handicapped that is sponsored by the association.

The Sunday matinee proceeds will be contributed by the Ballet Arts Theatre to the Maturango Museum building fund.

Tickets priced at \$2 for adults, \$1 for high school students and senior citizens, and 50 cents for children 12 years of age and under will be on sale at the lecture center box office prior to each performance, or can be obtained in advance at the Station Pharmacy on the Naval Weapons Center, or at the Gift Mart, Medical Arts Pharmacy, Ace TV, and at the Daily Independent newspaper office in Ridgecrest.

### Thrift Shop to close Tues.

The WACOM Thrift Shop, located at 54 S. Lauritsen Rd., will be closed beginning next Tuesday and will remain closed through Tuesday, June 29. It will re-open for business on Thursday, July 1.

Regular hours of operation at the Thrift Shop are 7 to 9 p.m. on Tuesdays and 9 to 11 a.m. on Thursdays.

## 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

CS - Cinemascope

STD - Standard Movie Screen

Regular starting time—7:30 p.m.

Program subject to change without notice — please check marquee.

FRI. 11 JUNE

**"THE MAD ADVENTURES OF 'RABBI' JACOB"** (94 Min.)  
Louis Funes, Suzy Delair  
(Comedy) Through a comedy of errors, a Frenchman discovers himself wanted by gangsters. He assumes the identity of an American rabbi in order to elude his pursuers. (G)

SAT. 12 JUNE

**"HENNESSY"** (104 Min.)  
Lee Remick, Rod Steiger  
(Historical Drama) The story of one of this century's most intensive manhunts. The IRA and Scotland Yard both go after a lone man who holds the power to destroy an entire nation. (PG)

SUN. 13 JUNE

**"THE MAN WHO WOULD BE KING"** (129 Min.)  
Sean Connery, Michael Caine  
(Adventure) This film is based on a boisterous tale of greed, comradeship and high adventure adapted from one of Rudyard Kipling's most enjoyable short stories. Sean Connery and Michael Caine are a pair of larcenous British soldiers of fortune who decide to alter a primitive kingdom by installing themselves as kings intent on plundering whatever treasures the land can offer before returning to Britain as wealthy gentlemen. (PG)

MON. 14 JUNE

**"MOONRUNNERS"** (103 Min.)  
James Mitchum, Kiel Martin  
(Action Comedy) Moonshining in rural America is depicted in this action-comedy about a couple of modern-day daredevilish drivers who transport bootleg liquor in the Carolinas. Comedy, brawling, and exciting car chases highlight this film. (PG)

TUE. 15 JUNE

**"BREAKHEART PASS"** (95 Min.)  
Charles Bronson, Ben Johnson  
(Action Drama) Set in the snowbound mountains of Idaho in 1870, Bronson portrays a mysterious character who is apprehended for murder. He is being transported by train along with 70 U.S. cavalrymen, civilians, dignitaries and other outlaws. Medical supplies are aboard going to an Army post reportedly gripped by an epidemic. Also on board are Richard Crema, noted territorial governor, and Jill Ireland, Bronson later reveals himself as a federal undercover agent trying to trip-up a gang of murderous killers and gun runners. (PG)

WED. 16 JUNE

**"THE TRIAL OF BILLY JACK"** (170 Min.)  
Tom Laughlin, Delores Taylor  
(Action Drama) After National Guardsmen have attacked her Freedom School, director Delores Taylor relates her story. She refers back to the trial of Tom Laughlin, Navajo half-breed who served five years for murdering the son of powerful Riley Hill. (PG)

THURS. 17 JUNE

**"WALKING TALL PART II"** (109 Min.)  
Bo Svenson, Luke Askew  
(Action Drama) Tennessee Sheriff Buford Pusser decides to continue attempts to clean up crime in McNairy County after recovering from a car crash, arranged by his enemies, which killed his wife. Against the wishes of those who fear for his safety, Pusser begins tracking down the criminal element that backs moonshining and other illegal activities. (PG)

FRI. 18 JUNE

**"CRYPT OF THE LIVING DEAD"** (85 Min.)  
Patty Sheppard, Mark Damon  
(Horror Drama) This is the story of King Louis VII's bride Hannah, who was buried alive in the secret caves of Vampire Island. After 700 years her tomb is discovered and the story that Hannah would escape from her tomb, change into a vicious wolf and turn into a vampire once again, is revealed. (PG)

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From: \_\_\_\_\_

To: \_\_\_\_\_

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China Lake  
California

June 11, 1976

Vol. XXXI, No. 22

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**NWC'S HIGHEST HONOR CONFERRED** — During a farewell reception held in his honor, the Navy Meritorious Civilian Service Award was presented to Dr. Hugh Hunter, former head of the Research Department, by Dr. G. L. Hollingsworth, NWC Technical Director. Dr. Hunter, who has been commended many times for his contributions to the Naval Weapons Center's technical program accomplishments during the nearly 25 years that he has been associated with NWC and its forerunner (the Naval Ordnance Test Station), is shown with this wife, Clare, as she fastens the lapel pin that accompanied the Meritorious Civilian Service Award certificate. —Photo by Ron Allen

## At retirement party Navy Meritorious Civilian Service Award presented to head of Research Dept.

The Navy Meritorious Civilian Service Award — the highest honorary award in the Navy civilian service that may be granted by heads of activities — was presented on Wednesday night of last week to Dr. Hugh W. Hunter during a farewell reception held in his honor at the Commissioned Officers' Mess.

The presentation, which included a certificate and lapel pin, was made to Dr. Hunter, head of the NWC Research Department for the past 11 years, by Dr. G. L. Hollingsworth, NWC Technical Director, on behalf of RADM. R. G. Freeman III, Center Commander.

In a brief, personal comment that preceded his reading of the citation, Dr. Hollingsworth expressed his sincere thanks to Dr. Hunter for conducting a department that "has always been a center of excellence."

**Basis for Commendation**  
Dr. Hunter was commended for his extraordinary personal dedication in fostering and promoting the highest quality of scientific research within the Navy, and for his outstanding role in the integration and application of fundamental and applied research to the timely solution of complex weapons development problems.

"Under your enlightened leadership and guidance," the citation addressed to Dr. Hunter read, "the Research Department has developed new areas of research which have brought national recognition to the Naval Weapons Center." Mentioned as examples of the high quality of work that was done were:

The energy laser work which is

receiving the support of all the military services, plus the Energy Research Development Administration and the Advanced Research Projects Agency; and the explosive ordnance technology efforts which have been recognized and utilized by major members of the North Atlantic Treaty Organization.

**Weather Modification Work Cited**  
The worldwide programs in weather modification in response to urgent requests for assistance from India, the Philippines, Portugal and others for which the U.S. State Department received many grateful acknowledgements from the governments concerned also were mentioned in the Meritorious Civilian Service Award citation, as was the fostering and maintenance of expertise in the areas of combustion and combustion instability which is used by all branches of the military services, and in missile development of the Space Shuttle Program.

The citation was concluded by words of appreciation from RADM. Freeman who extended his personal congratulations to Dr. Hunter "for the many contributions you have made to this Center which have brought many honors to you and considerable credit to the Navy and the Federal Government."

To the foregoing, Dr. Hollingsworth added his own best wishes to both Dr. and Mrs. Hunter as he stepped to the microphone at the conclusion of what was a lengthy list of presentations by representatives of various departments on the Naval Weapons Center.

(Continued on Page 4)

## Lauritsen Laboratory dedication ceremony scheduled next Friday

By Elizabeth Babcock

Dedication ceremonies for Lauritsen Laboratory will be held in front of the new building, just northeast of Michelson Laboratory, on Friday, June 18, at 9:30 a.m. In order to provide the maximum number of NWC employees the opportunity to participate in this occasion, supervisors are being encouraged to grant administrative leave for employees to attend the dedication ceremonies.

Planned as an event that will honor the Center's long tradition of military and civilian cooperation as well as the distinguished name of Dr. Charles C. Lauritsen, the ceremony will feature Dr. Emory L. Ellis, a pioneering scientist here and a close associate of Dr. Lauritsen's in the World War II CalTech rocket program, and Mrs. Charles C. Lauritsen, who will cut the ribbon to officially open the new laboratory.

**Rocket Program Pioneer**  
The laboratory, which will house working groups specializing in laser and optical work from five different technical departments-on-center, is being named in honor of Dr. Lauritsen because of his many services to the Center, the Navy, and the nation. It was Dr. Lauritsen who first pushed for a World War II expansion of the U.S. rocket program and it was he who first located the site in Indian Wells Valley for a much-needed large proving ground for this program.

After the establishment in 1943 of the Naval Ordnance Test Station, predecessor of NWC, Dr. Lauritsen played a pivotal role in formulation of policy and in planning of facilities and organization for the new Station. As head of the CalTech rocket program, he made his headquarters at the Kellogg Laboratory in Pasadena; but he was also in charge of NOTS wartime testing operations. In this capacity, he worked closely with Capt. Sherman E. Burroughs,

Jr., first Commanding Officer of NOTS, now Rear Admiral, USN, Retired.

Friday's program will begin with an invocation by Capt. Theodore C. Herrmann, NWC Chaplain. Welcoming remarks by (Continued on Page 3)

## Take-off of re-built B-29 Superfortress delayed

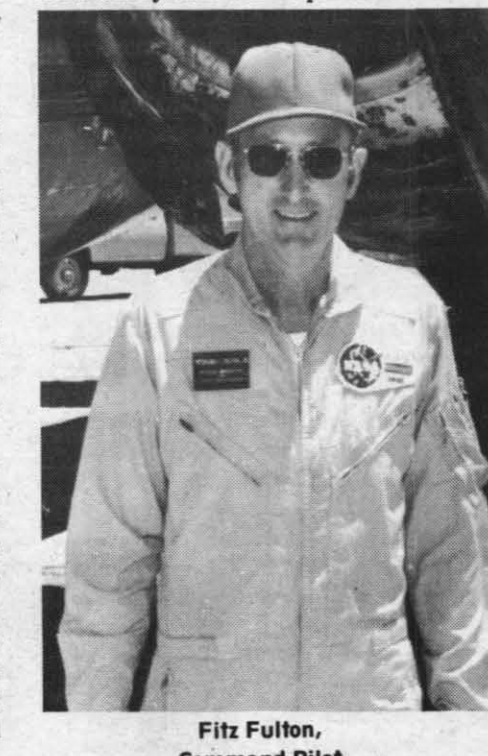
A B-29 Superfortress bomber which has rested in the desert area of the Naval Weapons Center for 20 years is tentatively scheduled to be flown next Wednesday or Thursday from the Naval Air Facility to the museum of Yesterday's Air Force in Barstow.

The World War II-vintage aircraft had been due to make the 45-minute flight late last week, but at the last minute it was determined that further work on the plane's electrical system was required in order to

ensure a safe trip.

The Superfortress is being donated to Yesterday's Air Force by the Navy under a special provision whereby only recognized non-profit museums that are open to the public are eligible to receive historic aircraft. All renovation and transportation costs must be born by the receiving organization.

Gathered here for last week's abortive take-off was the aircraft's intended crew: Fitz Fulton, command pilot; David Tallichet, co-pilot; Al Brown, flight engineer, and Dick Wright, observer and trouble-shooter.



Fitz Fulton, Command Pilot

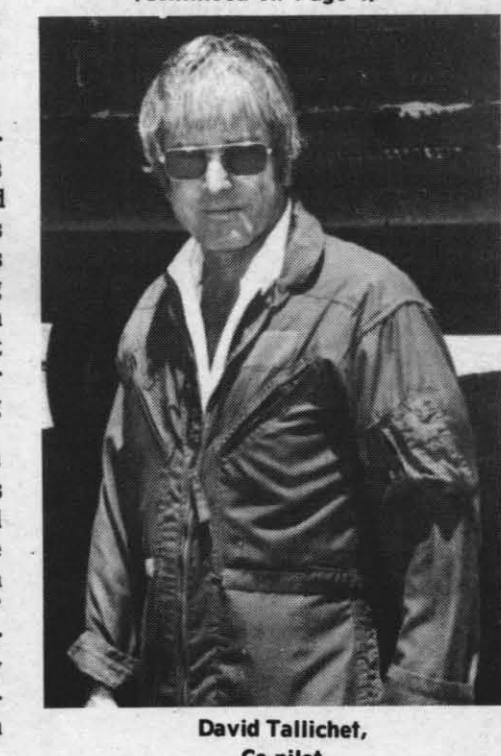
Works as NASA Test Pilot  
Fulton, who is a test pilot at Edwards Air Force Base for the National Aeronautics and Space Administration, accumulated about 500 hrs. in B-29s in training flights during World War II and in test operations afterwards. In fact, he remembers flying such an aircraft from Randsburg Wash from another part of the Naval Ordnance Test Station in the mid-1950s in preparation for its eventual role in ordnance-testing programs.

Although it has been 15 years since he has flown a Superfortress, Fulton said his general flying experience and a detailed review of the pertinent literature have prepared him for this mission. "And I'm really looking forward to it, believe me."

Tallichet, founder of Yesterday's Air Force and president of The Specialty Restaurants Corp., of Long Beach, was a B-17 pilot with the 100th Bomber Group in England during World War II.

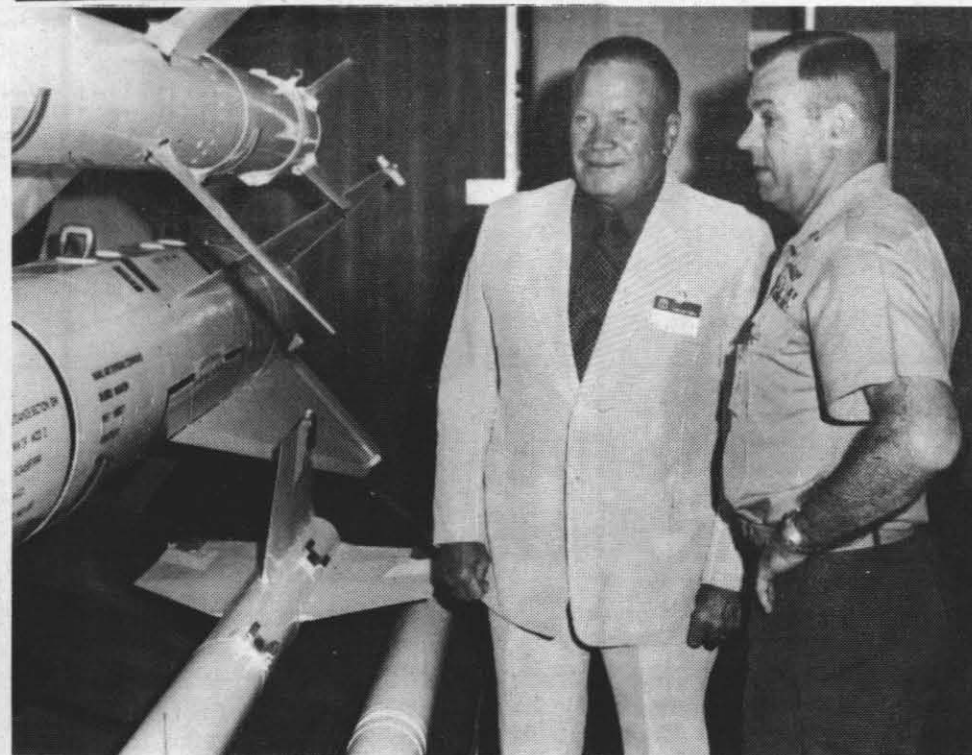
Tallichet said he began to accumulate aircraft for Yesterday's Air Force about 10 years ago and has seen its collection grow to the point where it has nearly complete lines of American combat planes of World War II. The goal of the museum is to obtain a complete collection of all aircraft of that period flown by every combatant nation.

He described the China Lake B-29, on which the museum has spent an estimated \$25,000 in restoration costs, as "a major (Continued on Page 4)



David Tallichet, Co-pilot





**DISTINGUISHED VISITOR** — Retired Marine Corps Gen. Lewis W. Walt (at left), a consultant for the U.S. Army Materiel Systems Analysis Activity, Aberdeen Proving Ground, Md., visited the Naval Weapons Center recently for a briefing about air and ground research, development, test and evaluation programs of particular interest to the Army and Marine Corps. He is pictured with Lt. Col. E. C. Paige, Jr., Marine Corps Liaison Officer at China Lake, as they examine air-to-air and air-to-ground missiles developed here which are on display in the main lobby of Michelson Laboratory. General Walt, a former assistant commandant of the Marine Corps, saw action in World War II and the Korean and Vietnam Wars during his 34 years of service as an officer. —Photo by Ron Allen

## Traditional Flag Day ceremony set Monday evening by Ridgecrest Elks

A Flag Day program, open to the public, will be held on Monday evening at the Ridgecrest Elks Lodge, 201 E. Church St. A light buffet will be available starting at 6 p.m., while the Elks' traditional Flag Day ceremony is scheduled to get under way at 7.

The program will include a pageant of American flags that have flown during various times in this nation's history, and the construction of a floral bell of liberty by Elks Lodge officers.

Principal speaker for the evening will be Lt. Col. J. R. Gibbons, Air Force Liaison Officer at NWC, and there will be brief remarks by Ted Edwards, mayor of the City of Ridgecrest.

The ceremony will open with posting of the colors by a color guard from the VX-5 Sea Cadet Squadron, and members of the Boy Scout Troop 3 will parade in carrying the different national emblems that have flown during the past 200 years. Fred Whitnack, a past exalted ruler of the local Elks Lodge, will review the history of the American Flag.

All local veterans' groups in the local area are invited to be represented and participate in the Flag Day program. Those planning to do so are asked to contact Richard Zinke by calling 375-4007, in order that the program can be properly coordinated.

One of the traditions of the Elks Lodge Flag Day ceremony is the ritual of burning old and worn out flags. Jim Donathan, of the VFW Ship 4084, assisted by members of Boy

Scout Troop 3, will handle this portion of the program. The flag burning, following by the playing of "Taps," will take place at sundown.

## Class in basic skills of mountaineering to start Mon. at college

A six-week course in the basic skills of mountaineering will be conducted, beginning Monday, by the China Lake Mountain Rescue Group at Cerro Coso Community College.

Class sessions will be held on Mondays from 7 to 9 p.m. in Rm. 302 at the college and on Tuesdays from 6 to 8 p.m. at Robbers Roost. Car pools for the Robbers Roost sessions will leave at 5 p.m. from the NWC main gate.

Subjects to be covered by means of lectures, film slides, demonstrations and practice will include mountain climbing skills, safety and survival information and the type of equipment needed.

A \$5 laboratory fee will be charged to help cover the cost of ropes and other equipment used during the instruction. Two weekend trips, a one-day and a two-day backpack, will give students a chance to practice what they have learned under the supervision of experienced mountaineers.

Registration will be handled at the first class meeting on Monday evening. Additional information can be obtained by calling Dr. Heller at 446-6237.

## 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 452, Ext. 2067. 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 456 or 457). 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.

**Clerk-Typist, GS-322-3/4, PD No. 7325014N, Code 2523** — This position is located in the Contract Administration Branch of the Supply Department. Incumbent will maintain office files, receive telephone calls, route mail, type and review outgoing correspondence, etc. Job Relevant Criteria: Ability to type efficiently and accurately, to work rapidly and accurately, reliability and dependability.

File applications for the above with June Adams, Bldg. 34, Rm. 210, Ph. 2371.

**Clerk-Typist, GS-322-4, PD No. 7439030, Code 3921** — This position is located in the Weapons Control Branch, Weapons Development Division, Weapons Department. Incumbent provides a variety of duties for the branch such as receiving and screening visitors and phone callers, setting up appointments and meetings, reviewing all outgoing correspondence for proper format and typographical errors, maintaining time and leave records, maintaining branch files, receiving and returning classified documents, and typing and assembling official correspondence, memoranda and reports. Job Relevant Criteria: Ability to type efficiently and accurately, reliability and dependability, ability to get along with others in the work group and to meet deadlines under pressure, and familiarity with scientific and engineering terms.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2772.

**Secretary (Stenographer), GS-318-4, PD No. 7460012, Code 60** — This position is secretary to the head, Research Department. The incumbent maintains the department head's calendar, sets up meetings and conferences, takes notes and minutes of meetings, receives visitors, receives and screens incoming correspondence requiring department head action. Incumbent also reviews all correspondence for department head's signature, types a variety of reports and correspondence, and arranges for supervisor's travel (including establishing an itinerary, making reservations and writing followup correspondence). Job Relevant Criteria: Must be able to meet deadlines under pressure, to type rapidly and accurately, be knowledgeable of Navy correspondence format, and have knowledge of the organization and its programs.

Mail and File Clerk, GS-305-4/5, PD No. 7460011, Code 40023 — This position is located in the Correspondence and Records Office of the Systems Development Department. Duties and responsibilities include the handling of secret material, maintaining files and records of material, attending security meetings concerning security regulations, informing employees of proper handling of secret documents, and conducting semi-yearly inventories of documents. Job Relevant Criteria: Incumbent must possess the ability to maintain complex filing system, knowledge of appropriate DoD, NWC, and department security regulations, and a high degree of tact and judgment to deal effectively with people.

File applications for the above with Charlotte Sietkowski, Bldg. 34, Rm. 204, Ph. 3118.

**Sheet and Plate Metal Worker, WG-3801-11, JD No. 114-5, Code 554** — (2 vacancies). Position is located in the Engineering Prototype Division, Engineering Department. Incumbent performs layout, fitting, fabrication, welding, and assembly of prototype and experimental components using metal and nonmetal materials. Incumbent works from blueprints, sketches and specifications as well as verbal instructions. Job Relevant Criteria: Knowledge of materials, trade mathematics ability, knowledge of layout and pattern development, ability to cut materials pertinent to the trade, to use hand

and power equipment (braking, forming, fastening, etc.), to do sheet and plate metal work without more than normal supervision, and to braze, solder, spot weld and gas weld.

**Electronics Engineer, GS-855-11/12, PD No. 7465019-1E, Code 5544** — Previous applicants need not reapply. This position is located in the Integrated Logistics Support Branch, Fleet Engineering Division, Engineering Department. Incumbent manages the acquisition of and performs systems engineering on automatic test equipment and ground support equipment. Major duties include planning, systems design, systems specifications, test requirements analysis, and coordination of the support program between contractors, NAVAIR and NWC. Job Relevant Criteria: Experience in design and testing of weapons systems; knowledge of automatic test equipment concepts, circuit analysis and systems engineering and management. Promotion Potential: GS-13.

**Clerk-Typist, GS-322-3/4, PD No. 735115, Code 5543** — This position is located in the Fleet Operation Branch, Engineering Department. Incumbent provides clerical and typing duties for branch personnel, acts as receptionist, maintain files, etc. Job Relevant Criteria: Ability to type accurately and efficiently, to get along with others in work group, and to meet deadlines under pressure; Must be familiar with Navy correspondence and possess reliability and dependability.

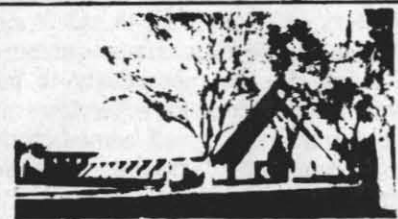
File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925.

**Budget Analyst, GS-560-5/7/9, PD No. 7317029, Code 087** — (2 vacancies). This position is in the Financial Analysis and Reports Division, Office of Finance and Management. The incumbent provides an assisting role in preparing one or more of the Center's more complex financial reports. In the case of less complex reports, the incumbent assumes the lead role in preparation. Examples of the types of reports would include management reports, overhead reports, NIF reports, financial management reports and Friday reports. The incumbent assists senior analysts on special reports and analyses as needed and will have lead responsibility for the rather routine studies. Job Relevant Criteria: Knowledge of financial reports; ability to perform tasks independently and to communicate well orally and in writing.

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

**Water Treatment Plant Operator, WG-5409-09, JD No. 413, Code 70417** — Controls the treatment and operation of a large water system with a capacity of 15,000,000 gallons per day. System consists of a network of distribution mains, reservoirs and pumps extending a distance of 27 miles. Controls the treatment and operation of smaller systems in range areas, swimming pools and sewage effluent to golf course. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; knowledge of equipment maintenance and repair; ability to perform routine chemical analysis and interpret oral and written instructions, diagrams, specifications, etc.; knowledge of safety practices and ability to work safely; knowledge of plant and equipment operation.

(Continued on Page 5)



## DIVINE SERVICES

PROTESTANT	
Sunday Worship Service	1015
Sunday School — All Ages	0900
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	
Saturday	1700 fulfills Sunday obligation
Sunday	0700 0830 1130
BLESSED SACRAMENT CHAPEL	
MASS	
Daily except Saturday	1135
CONFESSIONS	
Daily	1115 to 1130
Saturday	1530 to 1645
Sunday	0800 to 0825
RELIGIOUS EDUCATION CLASSES	
Sunday	Pre-school thru 6th grades 1015
Wednesday	First thru sixth seventh & eighth (Junior High) 1530 1900

Above classes are held in Chapel Annexes across from Center Restaurant. As announced. "In Home" Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

**JEWISH SERVICES**  
EAST WING — ALL FAITH CHAPEL  
Sabbath Services every Friday 2000

**UNITARIANS**  
CHAPEL ANNEX #5  
Services — (Sept.-May) 1930

## 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

James J. Stansell

Associate Editor

Terri Jacks

Editorial Assistant

Ron Allen

Staff Photographer



**DEADLINES**  
News Stories Tuesday, 4:30 p.m.  
Photographs Tuesday, 11:30 a.m.  
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**OUTSTANDING PERFORMANCE RECOGNIZED** — Sidney R. Blowers, an electrician in the Emergency Service Shop of the Public Works Department, has been named "Service Call Man of the Month" for his quick response and efficient performance of duties, especially during the severe windstorm last April. Blowers, who is shown testing a circuit breaker, repairs all emergency and non-emergency electrical systems throughout the Center. He began working at NWC in June 1972 and assumed his present position in August of the following year.

## Team from NAF wins Admiral's Cup track, field competition

A team representing the Naval Air Facility won the Admiral's Cup competition track meet held last Saturday at the Burroughs High School athletic field.

Led by Lt. Bob Jackson, who placed first in both the half-mile and mile runs, the NAF athletes scored a total of 36 points, compared to 22 for the Naval Weapons Center and 13 for Air Test and Evaluation Squadron Five.

In addition to the two distance races won by Lt. Jackson, the NAF track meet entrants also scored a first in the broad jump and won the medley relay race — a four-man event in which the different entrants ran 100, 220, 440 and 880 yds.

NWC trackmen won two field events — the high jump and shot put — being paced by Radioman 3rd Class Jim Erdman, who was second in the 100-yd. dash and first in the high jump.

VX-5's top entrant in the Admiral's Cup track meet was ADJ2 Kelvin McSwain, who placed first in the 100 yd. dash and tied for fourth in the high jump.

Only one event is left in this season's Admiral's Cup competition, and that is slow pitch softball. There will be a game this afternoon at 5 o'clock between teams representing NWC and VX-5, and the Admiral's Cup trophy will be presented next Friday, June 18, following a softball game between NAF and NWC. At press time, results were not known of the game played yesterday between VX-5 and NAF.

Next Friday's game also is scheduled at 5 p.m. at Schoeffel Field.

As a result of NAF's win in last Saturday's track meet, the overall standings in the Admiral's Cup competition at the present time are: NAF, 36; NWC, 34, and VX-5, 22.

## Dodgers pull upset in China Lake Little League Major Div.

The Dodgers have turned out to be the surprise team in the second half of play between teams competing in the Major Division of the China Lake Little League.

The Dodgers, who were in last place midway through the season, last week pulled off a 4-3 upset win over the Red Sox, who had emerged as the Major Division's first half champions.

Dave Killilea not only was the winning pitcher for the Dodgers, as he gave up just two hits, but also was his team's leading batter. Killilea collected three hits in four times at bat, including a game-winning home run in the fourth inning.

While the Dodgers were able to get past the Red Sox, they couldn't handle the Tigers, the current division leaders, and lost to them by a score of 11-6. Big difference in the game was a 7-run outburst by the Tigers in the fifth frame.

Scores of other Major Division games played last week were: Tigers 5, Yankees 1; Red Sox 4, Giants 1; and Giants 21, Yankees 5.

An upset also marked the start of the second half of play in the Minor Division of the China Lake Little League, as the previously undefeated White Sox were clubbed, 10-5, by the Indians.

Results of other Minor Division games were: Cardinals 21, Eagles 6; Orioles 13, Indians 8; White Sox 12, Cardinals 7, and Orioles 26, Eagles 10.

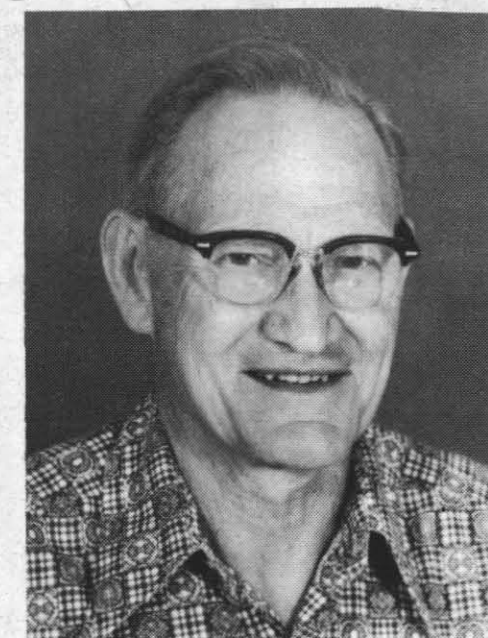
## \$950 raised . . .

(Continued on Page 6)

The Graham Associates will tangle at 10 a.m. tomorrow against a team from Santa Rosa, Calif., in a game that is to be played at the West High School baseball diamond.

Topnotch softball teams will come from as far away as Arizona and Utah, as well as from throughout various parts of California, to compete in this three-day tournament that begins today in Bakersfield.

## Employee in the spotlight



Charlie Cook

It almost figures that anybody born in a railway station in Whitewater, Wis., would have a colorful life before him.

For Charlie Cook, a physicist in the Microwave Radiometry Branch of the Electronic Warfare Department's Microwave Development Division, this color took the form of music.

Whitewater was just an unscheduled stop for Charlie's parents, who had miscalculated the length of their journey home from Milwaukee, and just a passing infancy for their son, who eventually did most of his growing up in Janesville and other nearby towns.

While living in Wisconsin, Charlie began to take lessons on his father's fiddle, and when the latter, a mechanical engineer and chemist, obtained a job as an associate patent examiner for the U.S. Patent Office and moved his family to Washington, D.C., in 1923, the young musician benefitted from the broader range of cultural activities available in the nation's capital.

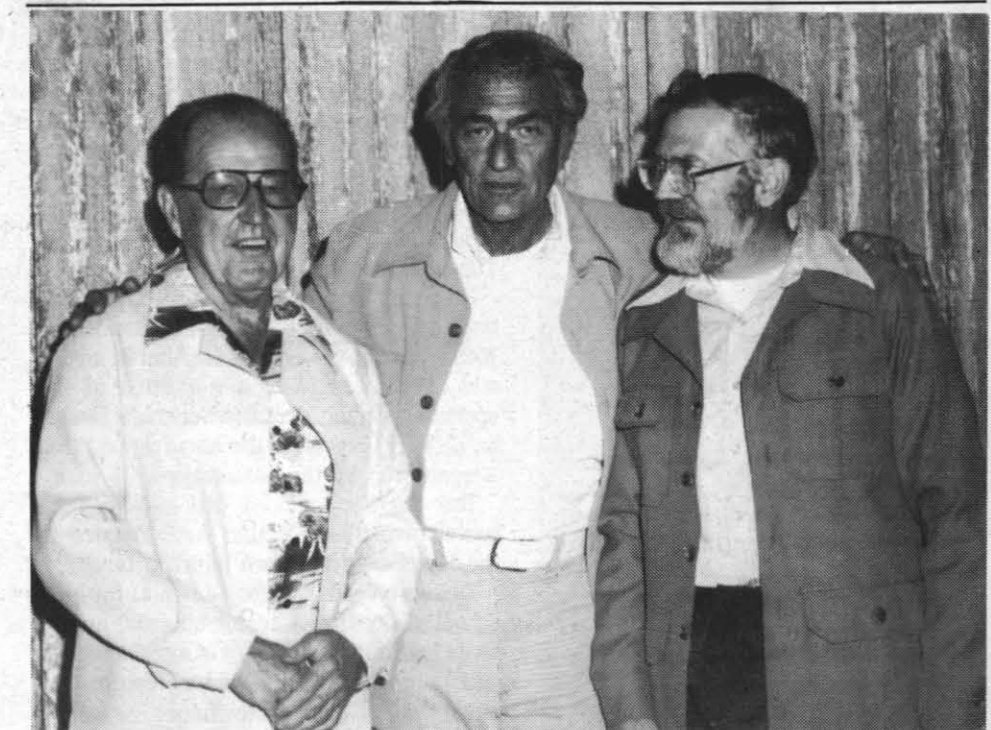
As a junior high school student there, Charlie heard the visiting Philadelphia Orchestra, conducted by Leopold Stokowski — "an important musical experience for me at that time," he remembers. While in high school, he took lessons on the violin, cello and sousaphone, and earned \$65 a week playing such favorites as "Tiger Rag" and "Sleepy Time Gal" with dance bands during engagements at cabarets and school dances in the Washington area.

Traveled With Dance Band

It wasn't long, however, before Charlie graduated to membership in the touring Music Corporation of America, playing dates in much of the eastern U.S. with the "Sleepy" Hall Band. "Again, this was while I was still in high school, and it played heck with my grades," he recalls.

But Charlie didn't particularly like the company he was keeping as a performer in various dance bands, and in 1932 took advantage of an opportunity to play the string bass for the National Symphony, which was founded in that year in Washington.

Although Charlie was a full-time professional musician from 1931-42, he found time to study, first mechanical engineering, and later, physics, at George Washington University. "I went to school for the fun of it, because it was something to do and because it was a family tradition. And importantly, I had the time during the day because I played music at night," he says.



**SYMPOSIUM DIGNITARIES** — Nearly 150 persons attended the second annual national symposium of the American Rock Art Research Association which was held recently at the Community Center and hosted jointly by the Maturango Museum and the Naval Weapons Center. The symposium featured the presentation of 19 papers, field trips to the Little and Big Petroglyph Canyons, and, at the conclusion of the 3-day affair, a gourmet banquet at which Ralph Story, well-known TV commentator on the Los Angeles scene, gave a humorous talk on "Petroglyphs of the Future." Pictured at the banquet are (l.-r.) Dr. Jack Cawley, of Bakersfield, chairman of the symposium; Ralph Story; and Dr. Frank Bock, professor of anthropology at Cerritos College in Norwalk. The latter is a leading member of the symposium committee and editor of the society's magazine. According to K. H. Robinson, Maturango Museum director, "Much of the success of the symposium was due to the outstanding food services provided by the Monday Volunteer Luncheon Group of the museum." —Photo by Sam Wyatt

pressed that such a diversified group of men — fluid dynamics, biologists, mechanical engineers, physicists and others — could change the direction of their lives in order to help the war effort, and then return to their civilian pursuits once the fighting was over. "This was a most marvelous thing," Charlie recalls fondly.

Charlie participated, in 1951, in the Bureau of Standards' move to Corona, Ca. At this facility, which was soon to become the Naval Ordnance Laboratory Corona, he continued his work on missiles and missile simulation. The latter effort was soon expanded into "systems dynamics," and included work on the whole system, including tactics and costs.

Left Corona Temporarily

In the mid-1950s, however, when the Navy "was changing over from research to testing," Charlie and a number of like-minded scientists left the Corona Laboratory to join Motorola, Inc., in Riverside in order to continue their research. For six years there he worked on "a whole flock of missiles." During this time, also, he developed a sensor for investigation of the 1 mm. region of the electromagnetic spectrum.

When Charlie returned to the Corona Laboratory in 1958, he continued to work on the 1 mm. wave sensor, and also did research on microwave-assisted tunneling through thin film junctions. "I consider this latter research to be among my most important work, and it was one of the few times of my life that I had a chance to do pure physics," says Charlie of this period.

During his last year at Corona he began his research into the field which he continues to study today: MICRAD, or microwave radiometry. This is temperature measurement at a distance by means of receiving and analyzing radio waves, a technique which can be used for observing terrain through clouds, snow and darkness.

Near Miss Recalled

Charlie remembers stationing himself in the impact area during a test of the Dragon at Eglin Field, Fla. After the take-off, he saw the beautiful arch of gravity's rainbow as the missile and its 2,000-lb. dummy payload headed directly for — him. It bounced three times before finally landing about 50 ft. from his observation station. "I was too scared to know which way to run," he admits.

While working on the Dragon-Pelican-Bat project, Charlie's group developed the first "six degree of freedom guided missile simulator," which simulated flight in roll, pitch and yaw and brought the target to the missile. Most of all, however, he was im-

Continues MICRAD Research  
Since coming to China Lake in 1971, Charlie has gone to North Dakota and the state of Washington to use MICRAD for observing terrain through snow cover (under which, it was found, different crops could be identified) and to Alaska to map ice in the Arctic Ocean as part of the U.S. Oceanographic Survey.

Throughout his scientific career, Charlie has continued his interest in music by playing for community orchestras and quartets. At the present time, he is the first cellist in the Cerro Coso College Symphony, coaches a Burroughs High School chamber music quartet and heads a local quartet of his own.

"I have been having fun all my life," says Charlie, "especially with music."

## Nominees sought for community clean-up campaign citations

Nominations are being sought by the China Lake Community Council's Community Improvements Committee for citations that will be issued to Center residents who did an especially good clean-up and fix-up job at and around their premises during the April clean-up campaign.

Centerites may submit their own name for consideration, or neighbors are invited to do this by calling Bob McCarten either at NWC ext. 7243 or at 446-2457 after working hours.

Called to the attention of the Community Improvements Committee recently have been incidents involving the dumping of old automobile oil into alleys. This is not only unsightly, but is against NWC regulations, since residents are responsible for the cleanliness and upkeep of that part of the alleyway located directly behind their quarters.

Another matter of concern is the growing tendency to park cars on lawns near residents, thus slowly killing the existing lawn and producing an unsightly, unplanned driveway.



### NWC places 2nd in annual MDISL tennis tournament held here

The Naval Weapons Center finished second behind the Norton Air Force Base team in the Mojave Desert Inter-Service League tennis tournament which was held here last weekend.

Although NWC couldn't match its first place showing of last year in this event, it did move up from fifth place into a fourth place tie with Nellis AFB in the over-all 1976 MDISL standings with 44 points. The relative positions of the other top contenders remained unchanged as a result of this most recent competition. They are: March AFB, 53 points; Edwards AFB, 46; and Norton AFB, 45.

In play last weekend, John Wolf of Norton AFB defeated Tony Pausz, also of Norton, 6-4, 6-4, to win the crown in the men's open singles division. John Horton of George AFB placed third.

#### Tops in Women's Singles

Joan Leipnik defeated fellow NWC team member Nancy Webster, 7-5, 6-0, to place first in the women's singles competition. Placing third was Carol Collins of Edwards AFB.

In the men's open doubles, Ken Fisher and Tony Pausz of Norton AFB placed first by defeating John Wolf and Terry Bock, also of Norton, 6-3, 6-2. George AFB's John Horton and Steve Pontuis finished third.

The top two teams in the women's doubles competition were both from NWC as Sherry Miller and Charlene Newmyer defeated Mrs. Leipnik and Mrs. Webster, 6-4, 4-6, 7-6. The Edwards AFB team of Joan Bauer and Barbara Henneberger placed third.

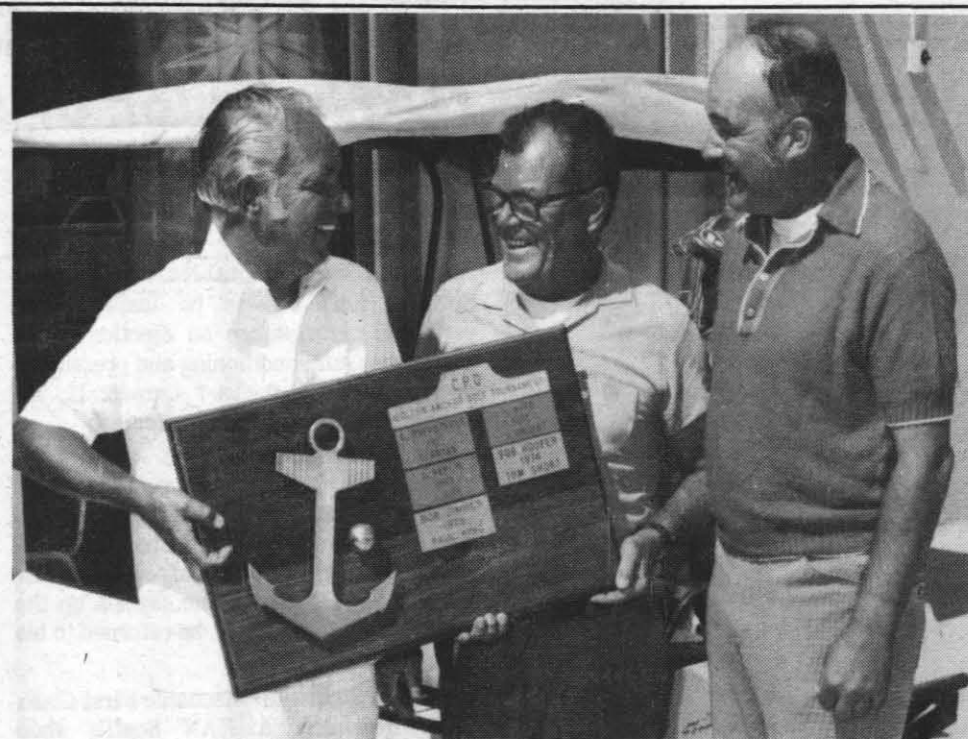
In the senior men's singles division, Dick Boyd of NWC defeated teammate Wilt Wyman, 6-2, 6-0, to win first place honors, while Bob Forrester, also of the local team, was third.

#### Senior Men's Doubles

Boyd and Forrester defeated Wyman and Bob Livingston, 6-2, 6-2, to win the senior men's doubles crown. Jack Lewis and Ben Dean of the Barstow Marine Corps Supply Center were third.

Teams received a point for every match they won. The total points and standings for the tournament were as follows: Norton AFB, 25; China Lake, 21; George AFB, 17; Edwards AFB, 10; March AFB, 6; Barstow MCSC, 5; Nellis AFB, 3; and the Los Angeles Air Force Station, 2.

The next MDISL competition will be in fast pitch softball, which is coming up Aug. 13-15 at Norton AFB in San Bernardino. The remaining sports will be slow pitch softball, Aug. 20-22 at Nellis AFB in Las Vegas; golf, Sept. 15-17 at China Lake; and the minor sports carnival, Oct. 22-24 at March AFB in Riverside.



**GOLF TOURNEY WINNERS** — The team of Jim Peck (center) and Dick Donohue (at right) came through with the low net score of 125 (including handicap) in the annual CPO Club-sponsored Golden Anchor golf tournament. Their names will now go on the perpetual trophy plaque that was presented to them by George Barnard, manager of the CPO Club. —Photo by Ron Allen

### Results announced of annual CPO Club-sponsored golf tournament

Another successful CPO Club-sponsored Golden Anchor golf tournament went into the records of the China Lake golf course last weekend.

Among the field of 50, two-man teams, Dick Clay and Craig Clark finished the partner's best ball event with a score of 140 for 36 holes of play to capture low gross honors.

In the low net score category, first place was won by the duo of Dick Donohue and Jim Peck, whose total (including handicap) was 125.

In the case of ties for the seven additional low net prizes that were awarded, the tournament committee compared the match scoring cards of the entrants, with the following results: 2nd — John Kleine and Chuck Robertson, 127; 3rd — Al McDonald and Connie Olson, 127; 4th — Mike Stevens and Jack Latimer, 127; 5th — Elmer Davis and George Barnard, 129; 6th — Bob Hooper and Dick Page, 129; 7th — Herb Pangle and Charlie Stanifer, 129; and 8th — Rollin Baker and Milo Pooley, 129.

Low net prizes for the best scores (counting handicap) that were shot on Saturday and Sunday went to Donohue-Peck (62) and to McDonald-Olson (58) on Saturday and Sunday, respectively. In addition, prizes for drives off the tee that landed closest to the pin on hole No. 6 were won by Vince Villa on Saturday and by



#### Wilt's Corner

### Three swimming classes for kids set at COM pool

Three sessions of swimming instruction will be offered at the Commissioned Officers' Mess pool this summer.

The first two-week session is scheduled for June 22 to July 2. The second will be held from July 6 to 16, and the third from July 20 to 30.

All classes will be conducted Tuesday through Friday. Youngsters 7 through 9 years of age will receive instruction from 9 to 9:45 a.m., while 4 through 6-year-olds will attend class from 10 to 10:45 a.m.

There will be a charge of \$10 per student, and signups will be held at the COM pool on the mornings the sessions begin.

#### Softball Tourney Slated

The 11th Naval District's Northern Area slow pitch softball eliminations will be held July 12-16 at the Naval Support Activity, Long Beach.

Entries for this active duty military event must include a complete roster of not more than 16 players, including the officer-in-charge and coach. The Amateur Softball Association's 1976 rules will govern all play.

The two top teams will compete in the Pacific Coast Slow Pitch Softball Championships to be held Aug. 2-6 at the Naval Station San Diego. More information may be obtained by phoning Wilt Wyman at NWC ext. 3791.

### \$950 raised for injured player in benefit twin bill

The Graham Associates, local all-star nine entered in the Northern California Congress Softball League, won a pair of games that were played last Saturday as a benefit to raise funds to help cover medical expenses of Jeff Radcliff, an outfielder who had been injured a week earlier during a tournament held at Newbury Park.

A sizeable crowd of softball fans turned out for this double-header between Graham Associates and a team composed of the best players from the Western Auto and Homestead nines—two of the top entries in the Fast Pitch Division of the China Lake Intramural Softball League.

As a result of the spectators' generosity, approximately \$950 was raised to help pay for an operation Radcliff had to undergo for removal of his ruptured spleen. He was injured when he collided with a teammate while trying to catch a fly ball in a game played with the Camarillo Kings during the Newbury Park tourney.

The non-league games were won by Graham Associates by scores of 8-3 and 6-5. Jim Duncan was the winning pitcher in the first contest, and Bert Andreassen was the hurler for the second tilt.

The benefit games were arranged when the RKT team of Fresno cancelled a scheduled league appearance here last Saturday, thus handing a forfeit win to the local all-star nine.

Last Sunday, the Graham Associates traveled to Bakersfield for a pair of league games which they lost to the Kern County Aggies by scores of 5-0 and 4-1.

It will be back to Bakersfield again tomorrow for the local all-star team, which is entered in the Bakersfield open softball tournament—one of the top events of its kind held each year in California.

(Continued on Page 7)

#### Elmer Davis on Sunday

The 10 lowest-scoring teams on Saturday also were entered in a special "horse race" event in which all of the golfers teed off together. One team was eliminated at each hole for nine holes until the final winner was the team of Earl Roby and Jim Downard. Davis and Barnard placed second, and Bob Zimmer and Paul King came in third.

The tournament was wrapped up by a buffet that was served on Sunday at 4 p.m., at the CPO Club following opening remarks by Capt. R. D. Franke, NWC Deputy Commander, who was teamed up with Denny Kline in the Golden Anchor golf tournament. Awards of gift certificates from Adam's Men's Store were presented to the winners by Dr. Rex Shacklett, former mayor of the City of Ridgecrest, who is a golf enthusiast.

Capt. Franke also presented a special tournament sportsmanship award that went to Roby.

Another highlight of the Golden Anchor golf tournament was a dinner and dance held Saturday evening.

### Intramural League softball standings

Results as of Tuesday, June 8.

Team	Won	Lost
<b>Men's Fast Pitch Division</b>		
Western Auto	6	3
Anlu Cement	6	3
Homestead	6	4
NAF	3	5
John's Pizza	4	5
Roaches	3	6
<b>Women's Fast Pitch Division</b>		
Comarco	6	0
VIPS	6	2
Hideaway	3	2
Pearl's Girls	4	2
T.J. Frisbee	4	3
Down & Outers	1	3
Batty Broads	2	3
VX-5	1	4
Ricardos	0	5
<b>Slow Pitch National Division</b>		
Bird Olds	5	1
VX-5	3	1
D.E.C.	3	1
Wet Pets	1	3
Seabees	0	5
<b>Slow Pitch American Division</b>		
Pizza Villa	5	1
Stare Montagne	5	1
Panama Red Sox	3	2
Dispensary	2	3
Knights	1	4
NWC Zeros	1	5

### Pee Wee League baseball

Openings in the Instructional Pee Wee Baseball League still exist for boys 6 to 7 and girls 6 to 8 years of age.

More information may be obtained by phoning Carol Hape at NWC ext. 2909, Monday through Friday, between 2:30 and 4:30 p.m.



**TOP NETTERS** — Winners at the Mojave Desert Inter-Service League tennis tournament, which was held last weekend at the China Lake courts, display the individual silver goblets which they received as they are gathered around the perpetual trophy, which the Norton Air Force Base players took home with them for their team's first place showing. The tennis players are (kneeling, l.-r.) Charlene Newmyer, Joan Leipnik, Sherry Miller and Nancy Webster; and (standing, l.-r.) Bob Forrester, Wilt Wyman, Terry Bock, John Wolf, Tony Pausz, Ken Fisher, Bob Livingston and Dick Boyd.

### Super Guppy, huge transport plane, used to bring F-14A aircraft here

The celebrated, improbable-looking Super Guppy, one of the world's largest transport aircraft, landed at the Naval Air Facility last Saturday with another aircraft as its cargo.

It carried an F-14A Tomcat from Calverton, N.Y., to be used in test programs by the Systems Survivability Branch of the Systems Development Department's Survivability and Lethality Division. Manager of the F-14 program is George

Monesko, head of the branch. This was the third time the Super Guppy has visited the Naval Weapons Center since the giant aircraft first went into operation in 1965. The last visit occurred in September 1972.

Prior to this mission, the aircraft had not been flown since December, 1973, since which time it has been in a "temporary preservation status" at the Santa Barbara facility of its owner and builder, Aero Spacelines, Inc. According to the firm, engine runs and systems operations are performed periodically to assure that the Super Guppy remains in flightworthy condition at all times.

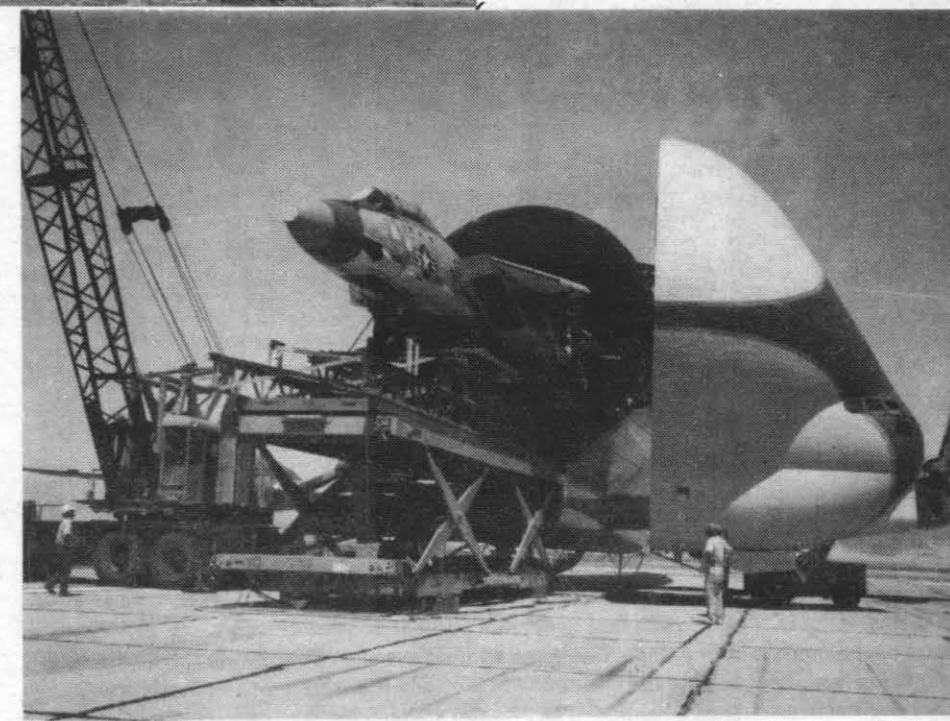
Originally built to haul Apollo space program equipment across the country, the Super Guppy has since operated as a "public aircraft" in support of government contract operations. From 1970 through 1973 it also operated commercially by carrying DC-10 fuselage sections.

#### Perfect Safety Record

All in all, the aircraft has had a perfect safety record and outstanding schedule of reliability in delivering billions of dollars worth of equipment for the National Aeronautics and Space Administration, the Department of Defense and various aerospace companies, according to Aero Spacelines officials.

Although the C-5, DC-10, and several other aircraft are actually larger than and can carry heavier loads over a longer distance than can the Super Guppy, the latter has the greatest bulk capacity. Its cargo compartment volume is 49,790 cu. ft. and the length of its cargo section is nearly 109 ft.

One of the aircraft's most interesting features is the hinged nose which permits full frontal loading of the cargo. A control lock and disconnect system at the fuselage break allows the nose to be opened and closed without disrupting the flight or engine control rigging.



**IMPRESSIVE VISITOR** — The world's only Super Guppy, the huge transport aircraft built and owned by Aero Spacelines, Inc., touched down at the Naval Air Facility last Saturday to deliver an F-14A Tomcat for use in a test program by Code 4083. In a five-hour operation, the hinged nose of the aircraft swung open and the Tomcat was off-loaded by crane. The overall length of the Super Guppy is in excess of 141 ft. and its maximum inside diameter is 25 ft.

### Lauritsen Lab . . .

(Continued from Page 1)

Rear Admiral Rowland G. Freeman, III, NWC Commander, will be followed by the introduction of distinguished guests, Dr. G. L. Hollingsworth, NWC Technical Director, will speak briefly on the scope of the work to be accomplished in the new \$3.46-million building.

Dr. Ellis, the dedicatory speaker, will discuss Dr. Lauritsen's legacy to NWC. A brief facility acceptance ceremony, led by Capt. Charles M. Howe, CEC, USN, of the Western Division Naval Facilities Engineering Command, will follow.

After Mrs. Lauritsen cuts the ribbon at the conclusion of the ceremony, the public will be invited to an open house in the laboratory. A film slide show about Dr. Lauritsen and a short film highlighting NWC's founders will be shown in the laboratory conference room. Other appropriate films will be shown at the Weapons Exhibit Center, which will be open beginning at noon.

#### Special Features

Special features of the 56,000 sq. ft. Lauritsen Laboratory include a central outdoor courtyard that has been planned as an integral part of the working environment, windowless laboratories to provide light-controlled conditions for laser work, two long, narrow lasing tunnels with special wiring incorporating safety interlock controls, and a rooftop facility for outdoor tests to the horizon.

An austere, practical structure, the laboratory was designed by the architectural-engineering firm of Gruen Associates of Los Angeles, Henryk J. Walocha, director of engineering. Construction was accomplished under a contract awarded by the Western Division Naval Facilities Engineering Command to the J. R. Youngdale Construction Co. of San Diego, Dave Johnson, superintendent.



**PART OF THE WORKING ENVIRONMENT** — The new Lauritsen Laboratory at China Lake has a central courtyard that is sheltered on all sides to provide a hospitable outdoor meeting space. The Naval Weapons Center will dedicate the laboratory in a ceremony at 9:30 a.m. on Friday, June 18, honoring Dr. Charles C. Lauritsen, head of the California Institute of Technology rocket program here during World War II. The public is invited to attend the ceremony.

### Management Innovator of Year Award to be presented by ASPA

Presentation of the Bjorklund Management Innovator of the Year award and commencement exercises for local recipients of the University of Southern California's Master of Public Administration degree will highlight the annual meeting of the China Lake chapter of the American Society for Public Administration (ASPA).

Both present and prospective members of ASPA are invited to attend the meeting, which will be held next Wednesday, June 16,

starting at 11:30 a.m. in the Mojave Room of the Commissioned Officers' Mess.

The featured speaker on this occasion will be Dr. Robert P. Biller, who (in 1969) began his working career as a management intern with the Naval Ordnance Test Station (forerunner to NWC). He is now the Dean of the School of Public Administration at USC.

During his address, Dr. Biller will suggest a response to the question: "How can managers use technical prototype strategies?" The speaker will offer some ideas on facilitating the manager's job in dealing with complicated problems by employing strategies not unlike those which underly the use of prototype models in technology.

Dr. Biller, who is a 1959 graduate of UCLA with a major in sociology, earned a Master of Public Administration Degree at USC in 1965 and was serving as head of the Personnel Department's Employee Development Division when he left China Lake in 1966.

He received his Ph.D. in Public Administration in 1969 at the same time that USC conferred upon him the prestigious Henry Reining Award for the outstanding dissertation of the year.

Dr. Biller, who is a former associate professor of Public Policy in the Graduate School of Public Policy at the University of California at Berkeley, also has served as chairman of the Chancellor's Advisory Committee on Health and Medical Sciences and as vice chairman of Berkeley's Department of Political Science.

His research and publications have been in the fields of alternative forms of public organization.

Following the formal meeting, there will be an opportunity for ASPA members to share insights and ideas with Dr. Biller on the administrative processes in public agencies in this area and elsewhere. An election of new officers of the China Lake chapter of ASPA also will be held.

### New booklet with information about CHAMPUS available

A new booklet about the Civilian Health and Medical Program of the Uniformed Services—commonly called CHAMPUS—has been published by the local Branch Clinic of the Regional Medical Center in Long Beach.

Copies of this booklet can be obtained at the Clinic, Commissary Store, Navy Exchange, in the personnel offices of either the Naval Air Facility or Air Test and Evaluation Squadron Five, at the NAF sick bay, or from the information desk at Michelson Laboratory.

For those who may wish additional information about CHAMPUS, the person to call is Sharon Smith, the CHAMPUS advisor, who can be contacted by calling the Branch Clinic (939-2911) and asking for ext. 54.

Only information provided by the CHAMPUS Office at the Branch Clinic is to be considered valid.



Robert Biller





**HUNTERS BID FOND FAREWELL** — Friends and co-workers of Dr. Hugh Hunter, former head of the Research Department, and his wife, Clare, were on hand to wish them a fond farewell during a reception and dinner held at the Commissioned Officers' Mess. The above photos were taken during the presentation of the many and varied awards and mementos which the Hunters received. In the top row of photos (l.-r.) Mrs. Hunter looks on as her husband receives first the Navy Meritorious Civilian Service Award from Dr. G. L. Hollingsworth, NWC Technical Director, and then an NWC plaque from Capt. R. D. Franke, NWC Deputy Commander. At top right, Dr. Hunter, who once headed the Propulsion Department, is examining a model of the Rocket Assisted Projectile (RAP) which he received from Dr. G. W. Leonard, head of the Propulsion Development Department. In the lower three photos, Dr. Hunter can be seen receiving two of a number of humorous awards from Dr. Marguerite Rogers and from Dr. R.

E. Kistler, and (at right) a more utilitarian gift from Capt. W. F. Daniel. Dr. Rogers, head of the Systems Development Department, amused the crowd by reading a lengthy certificate of appreciation that granted a number of special rights and privileges to the departing head of the Research Department. Dr. Kistler, head of the Office of Finance and Management (formerly Central Staff), reminded Dr. Hunter that he, too, had once headed Central Staff—a group sometimes referred to as "bean counters"—by presenting the honoree with a healthy bean plant to place in the ground at his orange grove-surrounded retirement home in Pauma Valley near Mt. Palomar. Applauding this choice of a gift for Dr. Hunter is C. E. Van Hagan, head of the Center's Technical Information Department, who served as master of ceremonies for the evening. The Public Works Department's gift was a weather vane that is expected to come in during the Hunter's rural area retirement home. —Photos by Ron Allen

**Farewell fete . . .**

(Continued from Page 1)  
The farewell party for Dr. Hunter and his wife, Clare, was attended by an overflow crowd of friends and co-workers of the long-time China Lake residents, including some former Centerites who returned for the occasion.

Among this latter group were H. G. (Hack) Wilson and Leroy Riggs, two former NWC Technical Directors, and their wives; and Mr. and Mrs. Fred Chenault. The latter is a former Executive Officer of the Naval Ordnance Test Station, who (following his retirement from the Navy) came back to China Lake to handle the duties of head of the Engineering Department, and later headed the Systems Development Department.

Dr. Hunter's response to the honor accorded him was to give credit to the outstanding personnel in the Research Department. "This citation is not mine, as these things were done by others," he noted. "When you want to do something to assist research people, give them what they need and get out of the way," was his parting advice.

Mrs. Hunter thanked everyone for attending the farewell fete. "You've given us a wonderful send-off," she said.

**Country, western gp. to play at COM tonight**

Dancing to the music of the California Country, a country and western group from Bakersfield, will be held at the Commissioned Officers' Mess tonight from 9 until 1 a.m.

On next Friday, June 18, the COM will hold a membership night featuring a steamboat round buffet for \$3 per person. Music will be supplied by the California Country, and Lou Dupont, a ventriloquist from Las Vegas, will begin his floorshow at 10 p.m.

**Glider makes landing in NWC range area**

An unexpected landing in one of the Naval Weapons Center's range areas was made Sunday afternoon by Don Knyppstra, a glider pilot from Studio City, Calif., who was one of 44 participants in the 12th regional championship soaring contest that was held at California City.

Knyppstra's planned flight path was to have taken him to Trona, Inyokern and then back to California City. After taking off at around 1 p.m., he ran into difficulty locating a suitable thermal (an air current that enables a glider to gain altitude) and found himself at an altitude of only about 400 ft. as he entered the Indian Wells Valley area.

Realizing that he would be unable to reach Inyokern, Knyppstra landed his glider on a small, dry lake bed at 3:15 p.m. Prior to the landing, he had been in radio contact with the Naval Air Facility control tower and was met quickly in the NWC range area by NAF security personnel as well as members of the China Lake Police Division.

The landing was "routine," and there was no damage to the powerless aircraft or injury to the pilot. However, because the glider landed in a much-used impact area of the NWC test ranges it was decided (because of safety considerations) to wait until Monday to remove it.

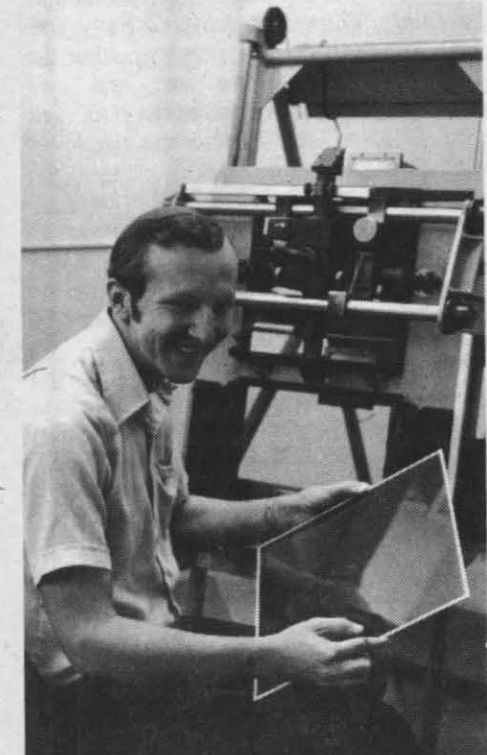


**GLIDER HAULED OFF** — A dry lake bed in a portion of the NWC range area was picked as an emergency landing field by a pilot entered in a championship soaring contest this past Sunday. The next morning, Don Knyppstra, of Studio City, Calif., was able to return and haul away his stranded aircraft. —Photo by Ron Allen

**Noted astronomer to present lectures here Tuesday**

Charles T. Kowal, the astronomer who discovered the 13th and 14th moons of Jupiter, will present two illustrated lectures at the Naval Weapons Center next Tuesday. The first lecture, scheduled for 1 p.m. in Rm. 1000-D of Michelson Laboratory, will be a technical discussion entitled "Current Research Concerning the Outer Satellites of Jupiter."

At that time, Kowal will cover



**ASTRONOMER TO SPEAK** — Charles T. Kowal, discoverer of Jupiter's 13th and 14th moons, will present two lectures at the Naval Weapons Center next Tuesday. In the photo, the associate scientist at Cal Tech is shown examining a photographic plate for the 48-in. Schmidt camera at Mt. Palomar. In the background is a blink microscope, which is used for comparing such plates.

photographic techniques for discovering and observing the faint Jovian satellites, and infra-red measurements pertaining to their albedos and sizes. He will also describe how these faint moons are related to the "Trojan" asteroids.

At 7:30 p.m. in the Community Center's Cactus Hall, Kowal will present a popular lecture entitled "The Outer Moons of Jupiter," sponsored by the China Lake Astronomical Society and supported by the Alexander F. Morrison Foundation of the Astronomical Society of the Pacific. Admission is free.

The evening lecture will include a brief historical sketch of the discoveries of Jupiter's satellites and their importance to the development of astronomy, and a detailed treatment of his discovery of that planet's 13th and 14th moons. It will conclude with a non-technical discussion of current research into the origin and nature of these satellites.

Kowal, an associate scientist at Cal Tech in Pasadena, received his B.A. degree in astronomy from University of Southern California in 1961. He discovered Jupiter's

**Advancements in rate received by personnel at VX-5**

The following Air Test and Evaluation Squadron Five personnel were recently advanced in rate:

AE1 James Artz, AE3 Thomas Baugh, AE1 Theodore Jachens and AE3 Dale Traver, electrical shop; AME3 Mauro Onia, AME3 Michael Morro and AMS3 David Hendricks, airframes; ADJ3 Robert Munch and ADR2 Ronald Curran, power plants; A01 William Zeltner, ordnance; YN2 Linda McKenzie, administration office, and ASM3 Buddy Barker, ground support equipment.

Two other VX-5 personnel, AQ1 Robert Alvarez of the line division, and PN1 Richard Manzano of the personnel office, were awarded Good Conduct Medals.

**AMEAN David Scaff chosen as NAF's Sailor of Month for June**

Aviation Structural Mechanic Airman David C. Scaff has been selected as the Naval Air Facility's Sailor of the Month for June.

AMEAN Scaff works at NAF's Safety and Survival Shop, where he inspects and performs maintenance on ejection seats, and escape, air conditioning and pressurization systems of the A-7 Corsair II, A-4 Skyhawk and A-6 Intruder aircraft.

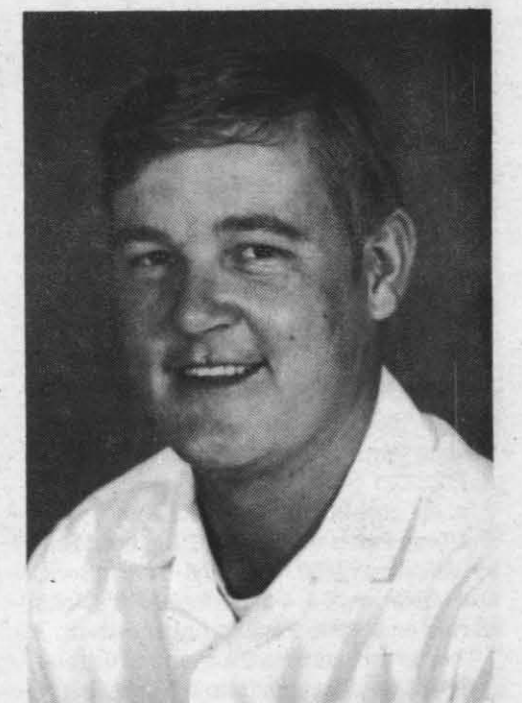
The 21-year-old sailor first assumed his present position upon his arrival at China Lake in February of last year. His work in the Safety and Survival Shop was interrupted, however, from July to November while he served as a plane captain on the NAF Hotline. Thereafter, he returned to his first job.

Aviation Structural Mechanic First Class Hank Bousquet, AMEAN Scaff's shop supervisor, has described June's Sailor of the Month as an "asset to the command and the Naval service." In addition, "He continuously takes on jobs without being asked and takes it upon himself each morning to complete all special inspections due."

Saying, "I really like my job because it's a challenge," AMEAN Scaff adds, "the work has to be done right. You've got to think and know what to do."

A native of Midland, Tex., AMEAN Scaff was graduated from high school there in 1973 and worked in that area for about a year as a welder and oil field hand before joining the Navy "to get some good schooling and travel around a bit."

He reported to China Lake for his first duty assignment after completing A school in Memphis, Tenn., and boot camp in San Diego. "This is a nice area," he says, "I like



AMEAN David C. Scaff

the climate and the people. I guess I'm used to small towns and life in the middle of the desert because of my Texas background."

AMEAN Scaff, who is single and lives in the bachelor enlisted quarters, plays left field for the Navy Hawks (NAF) fast pitch softball team. He also enjoys fishing around Kernville and Bishop, golfing and bowling.

For his selection as Sailor of the Month, he will receive a letter of congratulations at quarters, a 96-hr. liberty pass, dinner for two at the Indian Wells Valley Lodge, and his photo will be posted on the NAF bulletin board.

**Aptitude tests must be ordered June 15 for NESEP candidates**

Career-motivated petty officers third class or above (or February 1976 E-4 selectees) may be eligible to apply for the Navy Enlisted Scientific Education Program (NESEP) which leads to a B.S. in engineering, physical science or mathematics and a commission as an unrestricted line officer.

All NESEP candidates are required to take the Scholastic Aptitude Test (SAT) and must attain a minimum combined score of 1,000 (550 of which must be from the math component).

The SAT for NESEP applicants will be given the fourth Monday in July by each command. SAT exams must be ordered from the Naval Education and Training Program Development Center by June 15 since there is no alternate SAT or alternate examination date. Candidates must notify their commands now to be eligible to take the test and to be considered by the NESEP Selection Board.

NESEP applications (NAVPERS 1110/122) and high school/college transcripts must be submitted to CHNAVPER (PERS-4831) prior to Nov. 15, 1976. The NESEP Selection Board will convene next February to select individuals for September 1977 enrollment.

**AFGE to meet Monday**

Members of the American Federation of Government Employees' Local 1781 will hold their next monthly meeting on Monday, beginning at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the representative of a unit composed of those non-supervisory civilian employees of the Security Department's Police Division at China Lake.



**QUEEN CONTEST WINNER** — AZAN Patricia Stewart, winner of the Navy Relief Society fund drive queen contest, received an NWC plaque and a \$100 U.S. Savings Bond for her efforts in boosting contributions to the Naval service's own private, charitable relief organization. The presentations were made by AMCS W. D. Hall (at right), Senior Chief of the Command, following announcement of the queen contest winner and runners-up by Cdr. J. J. Fleming (at left), chairman of the Navy Relief Society fund campaign at NWC. Second and third place awards in the queen contest went to HN Susan Quackenbush and MSSN Karen Lukas, who received \$50 and \$25 Savings Bonds, respectively. Photo by Henry Hoshii

**\$5,700 raised at NWC to assist Navy Relief Society**

Net proceeds totalling \$5,700 are estimated as the Naval Weapons Center's contributions to the Navy Relief Society's 1976 fund drive, it was reported earlier this week by Cdr. J. J. Fleming, chairman of the fund-raising campaign.

This does not, however, include a gift of \$1,500 that was made directly to Chaplain T. C. Hermann, executive officer of the China

Lake Branch of the Navy Relief Society, by the Women's Auxillary of the Commissioned Officers' Mess. This money was raised from profits of the WACOM-operated Thrift Shop.

The Navy Relief Fund Drive, which began here on May 4, was climaxed last Friday by the VX-5 vs. NAF (BAT-NAF) challenge softball game and the crowning of the

winner of the Navy Relief Society queen contest.

AZAN Patricia Stewart, assigned to duty at the Naval Air Facility, was the queen contest winner. AZAN Stewart got off to an early lead in the contest and led throughout. Her reward for winning the contest was an NWC plaque and a \$100 U.S. Savings Bond.

The top two runners-up in the contest were HN Susan Quackenbush and MSSN Karen Lukas, who received \$50 and \$25 Savings Bonds, respectively. All told, there were ten entries in the Navy Relief Society fund drive queen contest. Others were RMSN Anna Marie Barker, YN3 Stacey Beville, AA Bonnie Lamb, YN3 Linda McKenzie, ACAN Valerie Nutter, YNSA Bonnie Shannon and YNSA Lydia Wright.

**NAF Retains Trophy**

The "Empty Keg Trophy" that symbolizes superiority in the challenge softball game played between the officers of VX-5 and NAF was retained by NAF in a hotly-contested game that wasn't decided until the last half of the seventh and final inning.

With two men out and two men on base, Lcdr. Jerry Marroon became the hero of the hour for NAF by hitting a homerun that resulted in a 12-11 win for his team.

Homerun hitters for VX-5 were Lt. Mike Dunn, the Vampires' star third baseman, who collected two round-trippers, and Lt. Mark Jacobsen, who hit one circuit clout.

Officials for this fun-filled game were Lt. Col. R. F. Boyd, Army Liaison Officer at NWC, who was the umpire, and Lcdr. E. W. Brooks, an assistant Technical Officer, who was the keeper of the keg.

Recipients of the major awards that were presented to contributors to the Navy Relief Society fund drive, and their gifts, were Phelps Ter Heun, a 17-ft. "Me Too" travel trailer from Desert Motors; M. A. Flournoy, a Suzuki A100 motorbike from the Desert Sports Center, and Richard R. Bruckman, an Amnara microwave oven from Loewens.

**Water safety instructor course to begin Tuesday**

A water safety instructors' course will be held on Tuesdays and Thursdays, from 7 to 9 p.m., at the John Pinney Memorial Swimming Pool in Ridgecrest.

The course, which will begin on June 15, will continue until July 29 and is to be taught by Bruce Auld, a Red Cross instructor trainer.

Anyone who is 17 years of age and over, and who has a current Red Cross life saving certificate, is eligible to attend the course.

**Promotional opportunities...**

(Continued from Page 2)

- Housing Project Manager, GS-1173-11 PD No. 7670013, Code 7052 — (Off-Center applicants with Civil Service Commission status may apply.) Incumbent serves as branch head of Occupant Support Branch and associate division head; maintains surveillance over all housing maintenance and repairs; develops short and long range maintenance requirements and repairs and improvement programs; prepares budget requirements and monitors expenditures; maintains surveillance over tenant violations; oversees tenant improvement projects; operates tenant self-help program for grounds and dwelling improvement; handles complaints on occupancy and dwelling problems; conducts housing area inspections; reviews service charts; develops contract proposals and remains cognizant of all contract effort in housing. Job Relevant Criteria: Ability to develop and implement policies, procedures and work plans; experience in rental and occupancy activities involving tenant selections, quarters assignment, housing surveys, tenant and community relations, and referrals to community support housing; experience with use of discrimination complaint process in regard to the rental of real property; experience in the conducting of analytical studies in the field of housing planning, requirements, conditions etc.; experience in supervision.
- File applications for the above with Terry Rowell, Bldg. 34, Rm. 212, Ph. 2032.
- Clerk-Typist, GS-325-3 or 4, PD No. 7545338, Code 454 — This position is located in the Advanced Technology Division, Propulsion Development Department. The incumbent will provide clerical assistance to the branches and division office. Duties will include typing of both technical and non-technical correspondence, reports, memorandums, travel orders and other duties as assigned. Job Relevant Criteria: Ability to type accurately and efficiently and to get along with others in a work group. Ability to operate a MAG Card II typewriter is desirable.
- File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2392.
- Electronics Technician, GS-586-7 / 8 / 9, PD No. 7535092-1, Code 3556 — This position is located in the Development Branch of the Countermeasures Division, Electronic Warfare Department. The work of the branch is to support the development of valid simulations of foreign ship-board / land based surface-to-air missiles, air defense artillery and search threat systems. The incumbent will be responsible for the design, fabrication, evaluation and modification of electronic circuits and assemblies as they apply to radar receivers, transmitters and signal processors; will be required to perform precision construction and calibration of RF components and systems such as couplers, multiplexers, power dividers, phase shifters, and receivers and transmitters; will also be required to provide documentation, end items and procedures. Job Relevant Criteria: Knowledge of standards and unique solid state circuit design practices; of fabrication techniques and test methods, of RF microwave components and systems, and of radar systems; demonstrated ability to use laboratory testing and measuring devices. Promotion Potential: GS-11.
- Library Aid, GS-1411-3, PD No. 7630309, Code 5336 — Located in the Center Library, incumbent initiates and monitors book orders, assists library patrons in using and locating materials; charges in and out books and LP records; prepares catalog cards and new acquisitions for shelving; trails status of book orders and works with supply offices to resolve problems. Job Relevant Criteria: Must be able to meet and deal with the public and have experience in filing. Typing ability is needed. Promotion Potential: GS-4.
- File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.
- Police Dispatcher, GS-301-3 / 4, PD No. 7584005, Code 843 — Incumbent performs dispatching duties for the China Lake Police Division and maintains radio communications with NWC Guard Post, Fire Division, NIS and off-Center police agencies; coordinates and controls radio traffic between police units; responds to requests for assistance by police units and/or notifies appropriate source; furnishes requested information to the public or refers to appropriate authority. Job Relevant Criteria: Experience handling complaints from the public; exercising tact and maintaining good order; ability to work effectively in stress situations. Some typing ability is required.
- Artillery Repairer, WG-4405-7 / 9 / 11, JD No. 5-14, Code 3723 — (2 positions). This job is located in the Ground Operations Branch of the T & E Department. Incumbent performs a variety of duties in the set-up, firing and control of testing and experimental operations on explosives, mines and projectiles; assembles ordnance; test firings; loads, primes and fires guns; operates specialized recording instrumentation; reads specifications and sketches; uses arithmetic and geometry. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision and to inspect; knowledge of equipment assembly, installation, operation and measuring instruments; ability to interpret instructions, specifications, etc. (includes blueprint reading).
- File applications for the above with June Chipp, Bldg. 34, Rm. 206, Ph. 2577.
- Heavy Mobile Equipment Mechanic, General Foreman, WS-5803-13, Code 7074 — Position is located in the Transportation/Equipment Repair Branch, Public Works Department. Incumbent provides supervision (planning, work direction and administration) for automotive and heavy duty repair functions. The branch maintains, repairs and makes alterations to construction, automotive, railroad, firefighting, materials handling, weight lifting and miscellaneous equipment assigned to the Center. Applicants must possess enough knowledge and experience to supervise and carry out the duties of the position in the trades supervised; Ability to supervise through subordinate supervisors and to plan and organize work; knowledge of different relevant lines of work; ability to work with others and to meet deadline dates under pressure; ingenuity (ability to suggest and apply new ideas). File SF-172 and supplemental wage grade supervisory information sheet with Code 622. Must be received or postmarked not later than June 28, 1976. Forms may be obtained in Room 100 of the Personnel Bldg. For additional information contact Sue Prasolowicz, Bldg. 34, Rm. 103, Ph. 2657.
- JOB OPPORTUNITY
- Greenskeeper NA-3554-04, PD No. 7555108, \$2.97 p/h, Code 8911 — This is not a Civil Service job. This position is located at the golf course. Incumbent maintains grounds and turf of golf course in playing condition; mows rough and fairway areas, digs and rakes ground to prepare new greens, grades and cleans traps and repairs roadbeds using shovels, rakes, spades and other tools; performs other duties as assigned. Job Relevant Criteria: Ability to understand verbal instructions and carry them out. Must be able to drive vehicle, obtain government license, be in good physical condition and be able to lift at least 100 lb.
- File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2723.