



HONORED BY CLOTA—Nancy Hoyem, who won the "Best Supporting Actress" award for her portrayal of Tina Winslow in "Here Lies Jeremy Troy," sits in stunned silence at the annual Community Light Opera and Theatre Association (CLOTA) banquet held last Wednesday. On her right, talking to her husband, is Barbara Hintz, selected "Best Actress" by the little theater group for her characterization of Katherine Troy, in the same play.

CLOTA Season Capped By Annual Awards Banquet

The tears flowed like wine in the Mojave Room of the Commissioned Officers' Mess Wednesday night as the Community Light Opera and Theatre Association (CLOTA) presented its annual awards for the best performances of the year.

"Fiddler on the Roof" was chosen as the best production of 1971, which came as no surprise to the more than 130 persons in attendance, but the selection seemed to sweep director Florence Green off her feet. She couldn't catch her breath and had trouble controlling the waterworks for a minute, but her acceptance speech was sweet and grateful. "Fiddler" was the most popular production (in attendance) in CLOTA's history,



Alex Bellen "Best Actor"

with the exception of "South Pacific."

Leading man Alex Bellen, who portrayed Tevye, took Best Actor honors, and as he stepped to the microphone he remarked, "I'm not going to be as reticent as the others," and promptly gave credit for his performance to Mrs. Green, who, he said, "Taught him how to act." Bellen's selection was an extremely popular one as the large crowd yelled and clapped its approval.

The immensely popular tale of Jewish life in Russia took two more awards: James Rosalanka, who portrayed Motel Kamzoll, tied for Best Supporting Actor, and technical director Larry Sawyer won that category.

However, the clean sweep by Fiddler predicted by many, was upset by the light comedy "Here Lies Jeremy Troy," which also garnered four of the year-end miniature "Oscars." David Chap-

man, who designed the two-story set, and Pete Leet, who built it, each won an award, and Barbara Hintz, who portrayed Katherine Troy, and Nancy Hoyem, who played Tina Winslow, won the Best Actress and Best Supporting Actress categories.

John Chatfield, seen as the bumbling Mayor Shinn in "The Music Man," was the other Best Supporting Actor selectee.

All in all, experience was the keynote of the gala affair. Alex Bellen was a comparative newcomer, having been in only one other production — "David and Lisa," in 1970. James Rosalanka appeared in a small role in "The Music Man," but John Chatfield is a veteran of the little theater wars. He has been seen locally in many productions, including "Brigadoon" and "The Fantasticks."

Nancy Hoyem, whom the judges of this year's contest said, "played a dumb girl brilliantly," has been a steady devotee of the amateur theater in the valley. She played the leading role in "The Fantasticks," and has had smaller roles in "Brigadoon," "Trojan Women," "Showboat," and "Carousel."

Barbara Hintz has long been touted as one of the best actresses in the valley. She has appeared for CLOTA before as the lead in "A Thousand Clowns," and performed in "The Fantasticks" as the mute, played Elly in "Showboat," and Helen of Troy, in "Trojan Women."

Also on the evening's agenda was the election of five members to the CLOTA board of directors. Elected for three year terms were Larry Sawyer, John Anderson and Russ Parker. John Woodbridge and Ralph Rungo were chosen to serve out unexpired terms.

Plays selected for production in 1972 by the CLOTA play-reading committee were "Mame," in the spring, "Plaza Suite," for the summer, and "Guys and Dolls," in the fall.

Mem Club Dance

"The Whale," a popular rock group from the Los Angeles area, will play for dancing at the Jolly Roger tonight only, according to Bob Furey, manager.

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
(GP) - ALL AGES ADMITTED
Parental Guidance Suggested.
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

FRI 28 JANUARY
"NIGHT OF DARK SHADOWS" (96)
David Selby, Grason Hall
(Horror) The ghost of an adultress witch still haunts the house he inherited and her spell begins to work on him. It's an eerie creepier with a wild car chase to add to thrills. (GP)
"Odd And Out" (7)

SAT 29 JANUARY
—MATINEE—
"FURTHER PERILS OF LAUREL & HARDY" (99)
Laurel & Hardy
—EVENING—
"McCABE & MRS. MILLER" (115)
Warren Beatty, Julie Christie
(Western-Drama) British Columbia is the setting for this tale of a gambler who makes a fortune from zinc miners, builds a fancy casino and falls for a madame. It's not for everyone, THIS SHOCKER! (R)
No Short Subjects

SUN & MON 30-31 JANUARY
"HIRED HAND" (93)
Peter Fonda, Warren Oates
(Western-Drama) After seven years he came back to his wife at the ranch and signed on as a hired hand. But trouble soon caught up with him again in this drama of the old West produced by Fonda. (GP)
"Airtight la Carter" (7)
"Look to the Future" (9)

TUE & WED 1-2 FEBRUARY
"SHAFT" (101)
Richard Roundtree, Moses Gunn
(Crime-drama) Tough Negro detective finds a missing girl has been kidnapped by the Mafia and sets out to rescue her without triggering a major gang war. It's rough and violent in the telling. (R)
"Steal Wool" (7)

THURS & FRI 3-4 FEBRUARY
"THE HORSEMEN" (110)
Gmar Sharif, Jack Palance
(Adventure) The most exciting film you'll ever see! It's about the descendants of Genghis Kahn. The elite horsemen called Chinggisids, a deadly sport that rules their lives. A tale of a man's determination, his pride and daring! (GP)
"A Gooney Is Born" (7)

Concert Band From Redlands To Appear Here

The Burroughs High School Music Department will sponsor a visit by the University of Redlands concert band tonight at the BHS Lecture Center, beginning at 8 o'clock. The 55-piece band, under the baton of James R. Jorgenson, has a large repertoire of classical and contemporary music.

Also included on the evening's program will be selections played by small ensembles within the orchestra, including a woodwind group, brass group and marching group.
Price of admission is set at \$1 for adults, and 50 cents for students and members of the Armed Forces.

Opportunities . .

(Continued from Page 7)

years of specialized in accordance with X-118 Handbook.
File applications with June Chipp, Bldg. 34, Rm. 204, Phone 2676.
Joiner, JD No. 195-3, W-10, Code 70411 (2 vacancies) — Duties: Constructs, installs and repairs cabinet work, furniture, displays, models, and similar items. Also may construct and install doors, door jams, locks, panic hardware, sash, screens, screen doors, picture frames, sinks and counter tops including the formica, minor framing and construction. Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with the CSC Handbook, X-118C.
File applications and Supplemental Rating Forms with Corine Scott, Code 447, Room 210, Phone 2393.



FRACTURED FOLLIES PREPARATION—Judy Mendonca (foreground), chairman of the Fractured Follies revue, slated for presentation March 3 and 4 at the Burroughs High School Lecture Center, and Cheryl Thurm, president of the China Lake PTA, seem to enjoy plans for the coming revue. Money earned from the yearly show will go to the Indian Wells Valley campership fund.

Bennetts To Show Films About Boating in Canada

Hal and Jean Bennett's latest travel film, "Headless Valley and the South Nahanni," will be presented as the next Maturango Museum lecture on Wednesday, Feb. 2, at 7:30 p.m. in the Richmond School auditorium.
The Bennetts and two friends successfully navigated the rapids on the remote South Nahanni and Liard Rivers in the Northwest Territories of Canada.
The Nahanni River flows through a canyon deeper than Grand Canyon and has a falls nearly twice as high as Niagara Falls, as well as places with exotic sounding names such as Rabbitkettle Hot Springs, Hell's Gate Rapid, Twisted Mountain, Hell Roaring Creek, and Deadmen (or Headless) Valley.
The films are reported to be among the best the Bennetts have produced to date. The program is open to the public.



ROLLING RIGHT ALONG—Vern Coats (at left) a mechanical engineer at the Naval Weapons Center, and Claus Engelhardt, a geologist with the Union Oil Co. in Bakersfield, were the two friends who accompanied Hal and Jean Bennett on a trip by kayak down two rivers in the Northwest Territories of Canada. Films of the journey will be shown next Wednesday night at the Richmond School auditorium.

From _____
TO _____
PLACE STAMP HERE

Prospects for 1972 Outlined In Talk Presented by RAdm. Moran

Comments touching upon an increased budget for the coming year, something brought about principally by the assignment of two major missile developments to the Naval Weapons Center, coupled with remarks pertaining to greater utilization of the technical know-how of the scientists and engineers at China Lake whose skills are being tapped in the technology transfer program, were presented by Rear Adm. W. J. Moran, NWC Commander, at the annual Kern County Business Outlook Conference.

The event, held Wednesday, drew a large crowd of business and industrial leaders to the Civic Auditorium in Bakersfield.

A budget increase of \$20 million (from \$146 to \$166 million) is in the offing at the Naval Weapons Center for the coming year, ac-

ording to Rear Adm. Moran, who also noted that the number of employees at China Lake is up by 163 over the total a year ago due to the arrival of the last of the influx from the Corona Annex.

Helping to solve operational problems of the Navy absorbs much of the Center's technical effort, Rear Adm. Moran said. At the same time, however, and in keeping with President Nixon's call for a more "imaginative use of our great capacity for technological advance, directing it toward improving the quality of life for every American," the technical know-how and flexibility at China Lake has enabled the Naval Weapons Center to be engaged for the past year in an effort called technology transfer. "This should be of great interest and future benefit to the American

people," Rear Adm. Moran continued.

"The true value of a laboratory is dependent upon its available developed technology and facilities. The technology transfer program was initiated at NWC to evaluate and apply existing developed technologies, generated from past military search and development programs, to the solution of domestic problems," Rear Adm. Moran explained. "I do not intend to do the work of other agencies, but rather to assist, advise and offer them the results of defense research," he added.

Civil agencies contacted by NWC personnel in regard to the technology program have been the Departments of Transportation, Agriculture, Health-Education and Welfare, Justice, Commerce and (Continued on Page 3)



REAR ADM. MORAN INTERVIEWED—At the opening of the Kern County Business Outlook Conference, held Wednesday at the Civic Auditorium in Bakersfield, Rear Adm. W. J. Moran, Commander of the Naval Weapons Center, was interviewed by Don Masters, of TV Channel 29 (KBK) in Bakersfield. Rear Adm. Moran joined a distinguished panel of business and industrial leaders who gave their views on the economic prospects for 1972 before an audience of some 900 persons.

nwc rocketeer

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China Lake
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Commission Received Saturday Night by Sea Cadet Squadron

Formal commissioning ceremonies for the VX-5 Naval Sea Cadet Corps Squadron was witnessed by a crowd of more than 200 persons last Saturday night at the Community Center.

Rear Adm. W. J. Moran, Commander of the Naval Weapons Center, headed a group of top ranking Navy officers who were on hand for the occasion, and spoke briefly on the benefits the Sea Cadet program holds for young men of the community who elect to participate in it.

Capt. Carl "Tex" Birdwell, Commanding Officer of Air Test and Evaluation Squadron Five (VX-5), officiated during the commissioning ceremony for the

Naval Sea Cadet Squadron bearing his unit's name.

After completing his inspection of the Sea Cadet Squadron's 27 enlisted men and 8 officers, Capt. Birdwell complimented the Sea Cadets. "I find the squadron outstanding and I would be glad to have them serve with my unit now. Our Vampires are proud to be associated with your Naval Sea Cadet unit," Capt. Birdwell said.

Burke West, president of the Indian Wells Valley Council of the Navy League, the organization which sponsors the local Sea Cadets, read the warrant authorizing formation of the VX-5 Squadron, and the oath of office was then administered by Capt.

Birdwell to Cmdr. George S. Burdick, commanding officer of the Sea Cadets.

The latter then turned to his fellow officers and cadets of the squadron and administered the oath to them.

Singled out for special recognition by Capt. Birdwell, following his inspection of Sea Cadet Squadron personnel, were Marine Staff Sgt. Luther Emery and Airman James Rodriguez, of VX-5, for the many hours they spent working with the cadets on military drill and other aspects of military training.

To demonstrate their appreciation for the part played by S- (Continued on Page 5)

President Calls For Increase In Funds for Navy

President Richard Nixon called for a substantial increase in Navy appropriations for the next fiscal year (FY73) in his State of the Union message on Jan. 20.

The increase would include money for more shipbuilding, more research on the Undersea Long Range Missile System, and further pay hikes.

"The Navy's budget was increased by \$2 billion in the current fiscal year, and I will ask for a similar increase next year, with particular emphasis on our shipbuilding programs," the President stated.

The Department of the Navy's fiscal year budget is \$24 billion. Officials say the proposed increase for next year is \$1.655 billion. The President called for "over \$900 million to improve our sea-based deterrent force." He also remarked that "further substantial military pay increases are planned" for the next fiscal year.

Countywide Vote On School Unification Coming Up in June

A vote on unification of schools throughout Kern County will be coming up in June, trustees of the China Lake Elementary School District were informed at Monday night's meeting in a report given by Dr. Paul Smith, district superintendent.

Unification means combining all schools serving grades kindergarten through twelfth in one district.

As things now stand, the board was advised, it appears that Kern County residents will be asked to vote for or against a State Department of Education Plan which calls for unification utilizing

existing high school district boundaries.

For the local area, this would mean becoming part of a very large unified school district that would follow the boundaries of the present Kern High School District and have its headquarters in Bakersfield.

Because of the local area's isolation and the distance between here and Bakersfield, it was the recommendation of Dr. Smith and his fellow administrators that a local delegation travel to Sacramento, prior to the date in March when the ballot measure in June must be finalized, to ask that Indian Wells Valley elementary schools and Burroughs High be permitted to vote on formation of a unified school district covering only the local area.

This is in line with a nine-district unification proposal for Kern County schools which may be submitted to the State Board of Education at its meeting in March.

In another report presented at Monday night's school board meeting by Grant Pinney, (Continued on Page 4)

Be on Lookout For New Stop Sign

If you drive to the Naval Air Facility using Lauritsen Road, watch for the STOP sign which will be installed soon at the intersection of Lauritsen and Sandquist Roads. That intersection will then be a two-way stop.

The decision to install a STOP sign where those two roads intersect has been prompted by concern for the many "near misses" that have occurred at that intersection.



FIRST FORMAL INSPECTION—The 27 young men, charter members of the VX-5 Naval Sea Cadet Corps Squadron, stood their first formal inspection during the squadron commissioning ceremony held Saturday night. The inspection was carried out by Capt. Carl "Tex" Birdwell, Commanding Officer of Air Test and Evaluation Squadron Five, who is shown being followed down the enlisted men's ranks by PO3 Randall D. Brown, the Sea Cadets' leading petty officer, and Cmdr. George Burdick, Commanding Officer of the newly formed squadron.

Jan. 28, 1972

INSIDE . . .

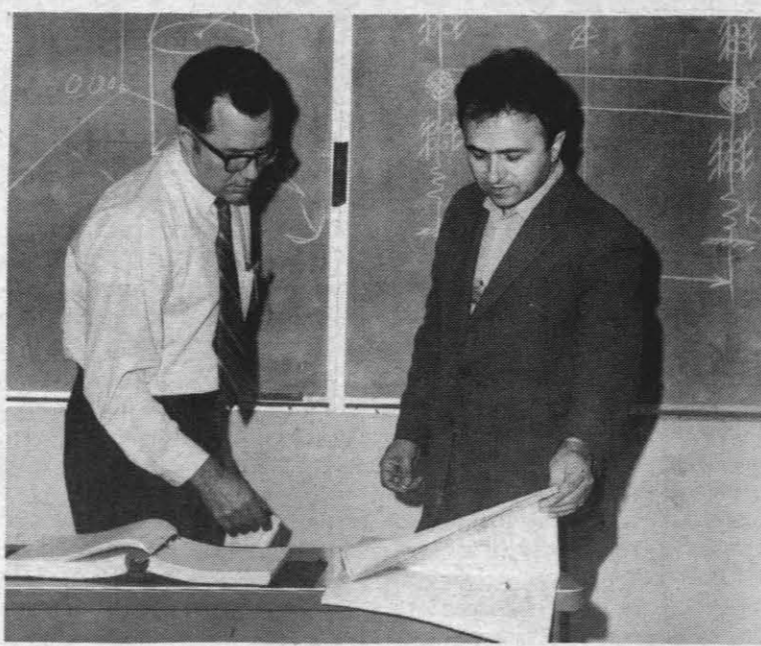
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RABIES CLINIC HELD—In order to protect the local canine population against the danger of contracting rabies, a clinic at which anti-rabies inoculations were administered was held last Friday at Fire Station No. 1 on the Naval Weapons Center. Doses of the two-year vaccine were given here by Dr. Larry Jackson, local veterinarian shown above, to nearly 400 dogs, whose owners also received two-year licenses for their pets. Last Saturday at Inyokern and in Ridgecrest, another 425 dogs also received the anti-rabies vaccine and dog tags.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2069. Current applications (SF-171) or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.



NEW MATERIAL PRESENTED—An introduction to the NASA Structural Analysis (NASTRAN) program was provided here last week for a group of 32 Naval Weapons Center employees. The course was taught by Petro Matula (at left), from the Naval Ship Research and Development Center, Washington, D.C. Arrangements for setting up the class were handled by James Serpanos (at right), an employee in the Structural Mechanics Branch of the Weapons Development Department's Aeromechanics Division. The NASTRAN program is designed to solve static and dynamic structural problems by the displacement method and, according to Serpanos, will add a tremendous capability to the NWC structural analysis program. Locally, the UNIVAC 1108 computer will be used to solve structural analysis problems.

Prayer Breakfast Slated

A local observance of the 1972 National Prayer Breakfast for military and civilian men of the Naval Weapons Center will be held at the Center Restaurant beginning at 6 a.m. on Tuesday, Feb. 1.

Men interested in attending should make reservations with the All Faith Chapel Office, phone ext. 3506, by noon Sunday, so that adequate seating and food preparation can be arranged.

There is no charge for the breakfast which is being sponsored by the All Faith Chapel congregations. Food service will be from 6 to 6:30 a.m. followed by a program conducted by laymen of the Chapel. The breakfast is held annually on the same day that the President and members of his Cabinet and Congress attend a Prayer Breakfast in a mutual expression of faith and recognition of the moral and religious values inherent in the American way of life.

John Di Pol will serve as master of ceremonies during the program, which will include an invocation by Richard D. Fulmer, the Pledge of Allegiance led by Lt. Cmdr. Dale Iverson, and opening remarks by Rear Adm. William J. Moran,

(Continued on Page 3)

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California RAdm. W. J. Moran, USN NWC Commandant

H.G. Wilson Technical Director C. E. Van Hagan Head, Technical Information Department

DIVINE SERVICES

Table with columns for Protestant, Roman Catholic, and Jewish services, including times and locations.



PH1 D. C. Manderscheid, PH3 Ronald G. Mills PHAN Daniel W. Yeatts Staff Photographers DEADLINES: News Stories... Tuesday, 4:30 p.m. Photographs... Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NavExos P-35, revised July 1958. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Phgnes... 3354, 3355, 2347

Clerk-Typist, GS-322-2, 3 or 4, PD No. 701736, Code 1707—The incumbent does secretarial, clerical and related staff support services required by the Staff. In addition will provide direct support to staff members for certain functions and assignments. Minimum Qualification Requirements: GS-2, high school graduate or 6 months general clerical experience. GS-4, 2 years of appropriate clerical experience. GS-5, 3 years of appropriate experience.

Clerk-Typist, GS-322-3, or 4, PD No. 721700, Code 1732—This position is located in the Reports and Analysis Branch of Central Staff. Duties of several clerical series involving judgment ranging from composing correspondence, setting up and maintaining files, maintaining records, and compiling records. Will do typing tasks ranging from rough draft typing to finished correspondence and reports. Minimum Qualification Requirements: GS-2, high school graduate or 6 months general clerical experience. GS-3, 1 year of general clerical experience. GS-4, 2 years of appropriate clerical experience.

Clerk-Typist GS-322-3, PD No. 675002, Code 7511—This position requires report request forms, memos, cross references for coordinate index and term authority file, and other routine typing. Shelving, filing and insertions and training assignments in simple reference work. Searching shelves for requested material, charging, mailing, discharging and reshelving material. Typing and filing of charge cards, searching and filing of charge cards, overdue material and typing of overdue notices. Answering simple reference questions pertinent to circulation of material and directing complex questions to proper personnel. Minimum Qualification Requirements: 1 year of clerical experience. File applications for above with Mary Morrison (Code 657), Rm. 210, Ph. 2032.

Inventory Management Specialist GS-2010-5, PD No. 712503-1, Code 2582—Technically responsible for inventory management of aeronautical material controlled by this Command, through review, evaluation and adjustment of computer-generated inventory data. Minimum Qualifications: Three years of progressively responsible experience in administrative, professional, investigative or other responsible work which has provided the applicant with general knowledge of one or more aspects of the supply field. Must have included one year at the GS-4 level or its equivalent. Job Relevant Criteria: Must be familiar with inventory control procedures and regulations; must be knowledgeable in all phases of logistic management. File applications for above with Claire Lewis, Bldg. 34, Room 204, Ext. 3118.

Ordnance Learner, WG-45011-4, 1 Vacancy, Code 4552, JD No. 287—This position is located in the Ordnance Logistics Branch, Engineering Division of the Propulsion Development Department. The position will consist of training in the following categories: plastic molding, propellant machining, propellant mixing and casting, inhibiting, igniter fabrication, extrusion, block pressing, rocket motor loading, disassembly and reassembly of rocket motors (modified), grinding of raw materials for processing of propellant, creating standards and returning to stock. This position is covered by a training program. Job Relevant Criteria: Reliability, dependability, shop aptitude and interest, ability to follow directions in shop dexterity, and ability to do work as member of a team. The incumbent must have a working knowledge of basic arithmetic through decimals and fractions. Minimum Qualification Requirements: As defined in CSC Handbook X-118C. File applications for above with Linda Grossman, Bldg. 34, Room 204, Phone 2925.

Naval District and other Naval Commands. Maintains records of connects, disconnects, and changes. Answers trouble calls and forwards to Public Works Department for action. Miscellaneous duties as required. Qualifications Requirements: 1 year general experience and 1 year specialized. Library Aid - Technician GS-1111-3-4, PD No. 7285003, Code 8553—Position is located in the Station Library. Duties include keeping records of the type and number of books checked out of the library. Assist patrons in locating their needed information. This requires familiarity with the library collection of 26,000 volumes, the reference collection, vertical file, and the serial collection. Incident does research on unusual reference questions. Qualification Requirements: Experience as defined in X-118. Job Relevant Criteria: Experience in general library work is desirable. File applications with Dora Childers, Code 657, Room 212, Phone 2514.

Test Mechanic (Experimental Aircraft Structures) WG-2808-11 JD No. 131-5, Code 5712—Located in Airborne Instrumentation Br., Air Operations Div., Engineering Dept. Makes, installs, modifies and repairs electrical portions of complex experimental aircraft fire control systems and instrumentation data acquisition systems, missile cabling harnesses, missile launcher harnesses, umbilical connectors, interconnecting aircraft wiring harnesses, power supplies, inverters, and similar equipment peculiar to airborne flight evaluation programs, and removes all equipment. Qualification Requirements: Rating with CSC Handbook X-118C. File applications for above with Joan MacIntosh, Code 657 Rm. 212, ext. 2371.

Medal Maker (Machining) WG-3400-13 JD No. 114-9, Code 5545—Incumbent, in close coordination with engineer, scientist, and supervisor, machines, fits and assembles various parts or assemblies of experimental, prototype and developmental ordnance equipment such as guided missiles, projectiles, wind tunnel models, laboratory equipment, prototype inertial guidance systems, developmental models or parts thereof, gyros, accelerometers, intelligence systems, cameras, camera lens systems, camera mountings, optical alignment timing systems. Also fabricates other devices and test equipment to test and evaluate the above equipment. Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with CSC Handbook X-118C.

Communications Clerk, GS-395-04, PD No. 4985028—Code 81—Position is located in the Communication and Electronics Maintenance Division, Code 854, of the Command Administration Department. Incumbent reviews requests from the departments on the Center for telephone changes and recommends the systems which will provide the best service. Collects and compiles data for various reports used locally and reports submitted to the 11th

Electrician WG-28005-10 JD No. 180-2 Code 5545—Constructs, installs, maintains, and repairs various electrical wiring systems, electrical controls, electrically operated equipment or instruments, light and heavy electrical machinery, and electronic equipment. Qualification Requirements: In accordance with appropriate J-Element Standard as outlined in CSC Handbook X-118C. File application and Supplemental Rating Forms for above with Joan MacIntosh, Code 657, Rm. 212, ext. 2371. Engineering Technician (N-C Parts Programmer) GS-802-7-8 or 9 PD No. 7255008, Code 5541—Located in Production Control Branch, Mechanical Division, Engineering Dept. Incumbent prepares parts programs for numerical control manufacture, provides technical advice to the cognizant engineers and their representatives in areas related to numerically controlled (N-C) machine tools, and reviews hardware design for compatibility with N-C manufacture. Minimum Qualifications: For GS-7, 2 years general plus 3 yrs specialized; For GS 8 or 9 (Continued on Page 7)



AT ECHO RANGE—Lt. Cmdr. John D. King, assigned here recently from duty as electronic warfare officer on the USS Midway, is now serving as military assistant to ECHO range. A Navy officer for 15 1/2 years, Lt. Cmdr. King was graduated from Oglethorpe University in Atlanta, Ga., with a BS in physics prior to entering the service and has since earned a Master's degree in aerospace operations from USC. Lt. Cmdr. King was accompanied here by his wife, Shirley, and their six children—three boys and three girls named Alan, Gary, Douglas, Linda, Pamela and Lynn Angela.

Dr. McLean In Line For IEEE Award

Dr. William B. McLean, former Technical Director at the Naval Weapons Center who now holds a similar post at the Naval Undersea Research and Development Center in San Diego, was singled out recently to receive one of the highest awards of the Institute of Electrical and Electronics Engineers.

Dr. McLean, the man credited with conceiving the Sidewinder guided missile, who also has been the recipient of numerous other top



Dr. William B. McLean

honors for his scientific work, will be presented the "Harry Diamond Award" for his "outstanding leadership of developments in guided missiles and undersea exploration and transport."

The IEEE regularly honors, through its program of awards, outstanding people in a number of technical fields of special interest to its 160,000 members around the world.

The "Harry Diamond Award" is given to mark outstanding contributions by an individual in the field of government service.

In addition to his duties as Technical Director at NUC in San Diego, Dr. McLean serves on the National Inventor's Council, on several National Academy of Engineering committees, and as a counselor of the Marine Technology Society.

Presentation of the "Harry Diamond Award" is expected to take place during an IEE meeting in Los Angeles in February.

Roundballers Finish Fifth In MDISL

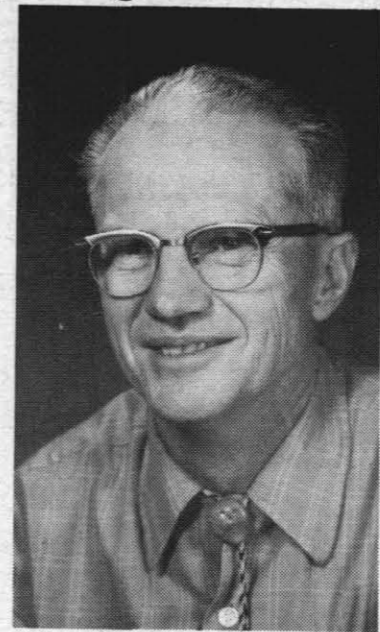
The China Lake basketball team won its first tournament game in recent history during the MDISL inter-service play-offs at Norton AFB last week. The surprise upset against highly touted Edwards AFB in the opening round moved the team into the semi-finals against Nellis AFB.

Nellis, however, was undaunted by the 75-61 China Lake win over Edwards and the tall and rangy Thunderbirds controlled the entire game as the starting five went all the way to rack up a 115-58 win.

With a 1-1 record, the China Lakers moved into the consolation bracket against Los Angeles AFS. Although it was a 36-all tie in the half, LA began to pull away in the second half and raced on to an 81-61 victory.

Nellis defeated Norton AFB in the championship event,

Employee In The Spotlight



Rod McClung

There's a trick to getting the most out of life. Rod McClung seems to have almost total recall when talking about the events in his past and this is due largely to his ability to look for the humor in any situation. He can sit for hours and spin tales about the early (and recent) happenings at the Naval Weapons Center.

He and his wife, Lorraine, came to China Lake in January, 1946, following a tour of duty in the Air Force and Rod joined the Explosives Department, under Bruce Sage. He remembers much about the early days.

"Housing was almost non-existent," he recalled. "The only homes south of Halsey were the 'NEW' duplexes and the prefabs. There were no streets and no landscaping and you could drive wherever you wished. The night we arrived we forgot where our house was and we spent more than an hour trying our key in the lock of every unlighted house until we finally got the right one," he added.

"Once inside we discovered there was no furniture, until I tried to get into the bathroom and found that all of the furniture for a two-bedroom home had been jammed into that one small bathroom by the floor finishers. It took us hours to get the furniture out, one piece at a time."

Rod said that the rent wasn't bad, \$34 per month, but he talked about a "break" that he got. "My rent was soon cut in half. They moved another family in on us without our approval!"

In 1948, McClung moved into the new Michelson Lab and was placed in charge of a design group, where he worked until 1951, when he transferred to the brand new Aviation Ordnance Department, under Dr. W. B. McLean. Rod went to work on SIDEWINDER and Range Instrumentation and stayed with that group until 1970 when he switched to the Electronic Systems Department during the reorganization. Rod was made head of the Electro-Optical Division.

His work experience at NWC has been, according to him, "rewarding and challenging." In addition to his duties, he has been a contributing member to the community and to work-oriented groups. "One of my most interesting assignments," he said, "was to the Education Committee on Ordnance Sciences. NWC's educational program is one of the most advanced in the country and has enabled us to compete for the top graduates when our salary schedule was far from competitive," he added.

Rod has done some studying himself. He once took a course on statistics from Dr. Don Villars, and flunked it! "I was really upset," he said. "I couldn't figure out what was so difficult about statistics, so I began to study the subject on my own." Rod's study culminated in a book, entitled "First Aid for Pet Projects, Injured in the Lab or on the Range, or... What to Do Until the Statistician Comes," which has been one of the most popular publications on the Center. "Except for the telephone book," Rod chuckled.

The pamphlet (Technical Note 1115) has been through eight printings and has been requested

by private industry and foreign universities and government agencies.

Rod's community interests have included holding the office of past chairman of the Official Board of the Community Church, and working on the board of trustees at the Immanuel Baptist Church in Ridgecrest.

He is presently on the nominating committee as chairman, for the Maturango Museum, and is the vice president of the local chapter of RESA.

He is a supporter of the Desert Community Orchestra and in his spare time tape records musical shows presented by the local little theater groups. He also records the DCO concerts.

Rod's hobbies include 35mm photography, camping, backpacking and hiking. One of his favorite pastimes, however, is repairing his own automobiles. "My biggest hobby, though, is raising my daughter, Barbie, and son, Bruce," he said.

Perhaps he is best known to the community through his work on the China Lake Elementary School District board of trustees. Rod is a past president and currently sits on the board.

"My life in the Indian Wells Valley has been a good one," Rod observed. "Many times in the past I have been able to find something to laugh at, to keep my equilibrium. During the early days when things got rough, or the work load was heavy, I found I could look around at the day to day events and find something to cheer me up."

He cited one such incident. "All personal mail, including parcel post, came to the employees via Guard Mail and because of this Security had a hard time deciding whether the tools and other items that everyone took home each evening belonged to the Navy, or was part of the day's delivery from Sears. Well, I had ordered some charcoal briquets and the bag split open inside the guard mail pouch. I received the briquets in a wastebasket from a messenger whose comments were spiked with four letter words that would command respect even today."

There were many more stories, and in each case Rod's comments were humorous or chiding. And that's his secret. His unflappability stems from his ability to dissect the troubles and turmoils and seek out the most satisfying portion of each.



READY FOR FLIGHT—As part of an orientation program aimed at acquainting her with her new duties as personnel and public affairs officer at the Naval Air Facility, Lt. Rosemary L. Waller (at right) took off Monday morning for a 2-hour flight in an A6 Intruder piloted by Lt. Cmdr. Ivan Belyea, a project officer at NAF. This was Lt. Waller's first flight in a Navy combat jet, and she found the experience both interesting and enjoyable.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2) 1 year additional specialized. All levels require 1 yr. at next lower grade. If filled at GS-7 or 8 will be in training position for the journeyman level. Job Relevant Criteria: Desire experience as engineering technician (N-C Parts Programmer). Thorough knowledge of APT, math through trigonometry, analytical and descriptive geometry extremely desirable. Understanding of chemistry and physics and working knowledge of metallurgy is required. Knowledge of specifications, i.e. military, federal standards, Army Navy etc.

Administrative Officer GS-341-7-9 or 11 PD No. 7255009 Code 5502—Located in the office of Head of Staff, Engineering Department. Provides assistance to Head of Staff in conducting studies, analysis, and evaluation of department's organization, function, workload, staffing, work measurement and space utilization for approximately 700 Engineering Dept. employees. Minimum Qualifications: 3 years general experience for all grades, specialized as follows: 1 yr for GS-7, 2 yrs for GS-9, 3 yrs for GS-11. One year must be at 2nd lower grade. Job Relevant Criteria: Must be able to ascertain, understand and apply policies of the Department, NWC, NASC etc. Must be able to work with people and gain their cooperation. Ability to express self, orally and in writing.

File application for above with Joan MacIntosh, Code 657, ext. 2371. Electronics Engineer, GS-855, 12-13, Code 4090, PD No. 7240017—This position is located in the CONDOR Program Office (Code 4090) of the Weapons Development Department. The incumbent's primary duties are to head up a design and development team. The incumbent will be responsible for making technical decisions and establishing design parameters for all technical work on the CONDOR missile. Applicants must have a comprehensive knowledge of electro-optic seeker systems, electronics, aerodynamics, mechanical design, and solid propellant rocket motors. Job Relevant Criteria: Applicants must have a BS in Mechanical, Electronic, Electrical Engineering or Physics; specialized experience in electro-optical guidance, radar guidance, missile propulsion, and aerodynamics. Missile systems in missile guidance and control systems; have specialized knowledge in solid state electronics as applied to guidance computers, receivers, and servo controls. Job Relevant Criteria: Applicants must have a BS in Electrical Engineering, Electro-Optical guidance

experience, radar guidance experience, aircraft navigation and weapon control system experience and air launched weapons experience. Minimum Qualification Requirements: Four years general experience and three years specialized in accordance with X-118 Handbook.

Electronics Engineer, GS-855, 11-12, Code 4090, PD No. 7240018—This position is located in the CONDOR Program Office (Code 4090) of the Weapons Development Department. The incumbent's primary duties are to determine hardware readiness for test and evaluation support for CONDOR flight test activities. Applicants must have a minimum of 18 months at a professional level equivalent to the next lower grade in the Federal position classification system. Job Relevant Criteria: Applicants must have a BS in Electronic Engineering, aircraft missile instrumentation experience, electro-optical radar guidance experience, missile test planning experience, and air launched weapons experience. Minimum Qualification Requirements: Four years general experience and three years specialized in accordance with X-118 Handbook.

File applications for above with June Chipp, Bldg. 34, Rm. 204, Phone 2676. General Engineer, GS-801-12-13, Code 4090, PD No. 7240019—This position is located in the CONDOR Program Office (Code 4090) of the Weapons Development Department. The incumbent's primary duties are to head up a design and development team. The incumbent will be responsible for making technical decisions and establishing design parameters for all technical work on the CONDOR missile. Applicants must have a comprehensive knowledge of electro-optic seeker systems, electronics, aerodynamics, mechanical design, and solid propellant rocket motors. Job Relevant Criteria: Applicants must have a BS in Mechanical, Electronic, Electrical Engineering or Physics; specialized experience in electro-optical guidance, radar guidance, missile propulsion, and aerodynamics. Missile systems in missile guidance and control systems; have specialized knowledge in solid state electronics as applied to guidance computers, receivers, and servo controls. Job Relevant Criteria: Applicants must have a BS in Electrical Engineering, Electro-Optical guidance

(Continued on Page 8)



BACK FROM ACADEMY—Three officers of the China Lake Police Division were graduated recently from the Kern County Peace Officers Academy in Bakersfield. The trio who completed the extensive, 16-week training course are shown following the graduation ceremony with Stephen Kaupp (second from left), who heads the Police Division. The graduates are James Thorpe (at left) and (on right) Michael Moore and Brock Field.



Kegler's Korner

By Jack Lindsey

Bill Francis, bowling in the Midway League, rolled a 627 series, including games of 251 and 210, to lead all the scoring for the league. There were some good single games, including a 230 by Cecil Howerton, Ed LaRoche's 225 and Bob Deem's 224. Dick Drake rolled a big 222 and Steve Griffiths socked out a 221. Dave Kurdeka, who sports a 137 average, had a nice 204 game.

Premier Scores Low

Bob Hooper shot the only 600 series in the league last Monday, tallying 605 with a 251 game. Warren Turnbaugh had a nice 268 single, but couldn't get the 600 figure. Jack Herbstreit rolled a 231 and Dan Branson rolled a 230, as did By Nelson.

Loewen's, Ridgecrest Lanes, Pollock Construction and Ace TV are the first four teams in the league standings.

Joyce Leaves Us

A very nice lady, Joyce Paulsen, who has been carrying a 173 average in the Women's Scratch League, was given a party Monday evening, and presented two porcelain roadrunners from the league. Joyce is leaving and will be missed by all of her peers in the league.

Shirley Kirschseiper scored 564, including a 204 game, to lead the league, with Wanda Billings not far behind, hitting 202-550. Jeanne Crom garnered a 525 and Pat Maddux shot a 200 single.

Sunday Sinners

Bert French's 549 was the high mark for the men, while Jeanne Fraser rolled 491 to lead the distaff scoring. Gale Poppen shot a 221 single and Barb Beyer's 200 was the best game of the evening for the ladies.

The Alley Cats led team efforts with a 3084 and a 1095.

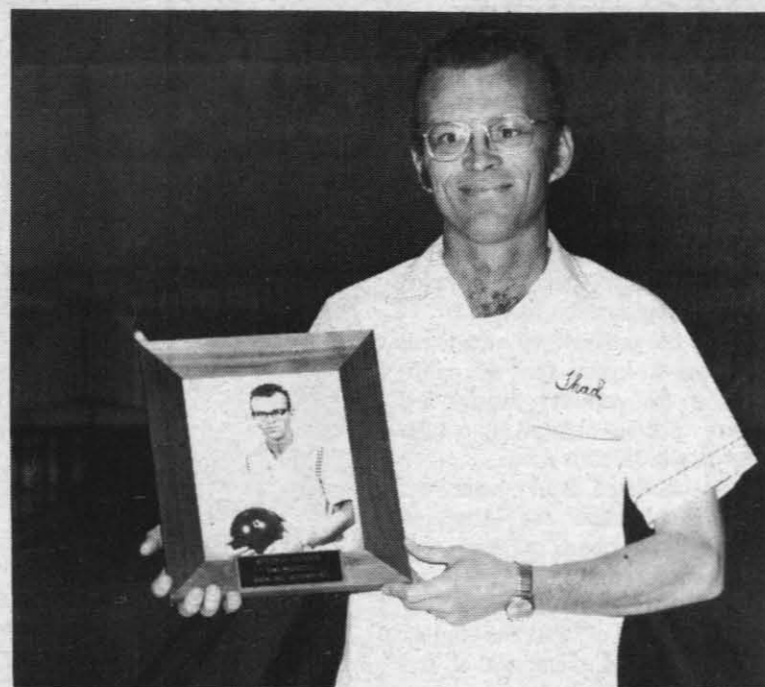
Women's Handicap

Nita Martin hit a 255 single game and a 568 series to put the cap on scoring in the Wednesday Night Handicap league this week. Pat Maddux rolled a 536 series and Donna Hitt scored 220 and 519. Jeanne Crom tallied 214 and 511 and Sue Lewis finished with 527. Liz Furstenberg scored with a 523 and Aline Schad rolled a 529. Sherry Ray had a 203 single.

Jeanne Pfau proved that bowling with a broken big toe is not much of a handicap by converting three splits over the course of the evening: the 5-7-9, and the 4-5 twice.

What "good guy" type bowler recently rolled a 395 series and wasn't made Loser of the Week because he's already been there so many times before?

DON'T FORGET THE WOMEN'S CITY TOURNAMENT



"ATHLETE OF THE MONTH"—Thad Brightwell was recently presented a plaque which denoted his selection as "Athlete of the Month" for November, 1971, Brightwell, who currently carries a 195 average in the Monday Premier League, is a steady performer on the Hall Memorial Lanes. During the month of November he carded a 724 series, including a 267 game, and has frequently been in the 600-plus figures.

Burros Slip to Fourth In Golden League Cage Action

A win and a loss in the past week's action dropped the Burros varsity basketball team another notch in Golden League standings as they prepared to embark on the second round of league play tonight against the Spartans of Kennedy High.

Tip off time for Burros vs. Spartans varsity tilt will be 8 p.m. at the local high school gym, following preliminary games at 5 and 6:30 p.m. between the Burroughs and Kennedy freshman and junior varsity hoopers.

Continuing their up and down seasonal performance, the Burroughs High varsity climbed all over the Palmdale Falcons last Friday to post a 66-45 victory, but were unable to handle the visitors from Victor Valley on Tuesday night and lost by a final tally of 66-63.

At Palmdale, the Burros had

First Tourney Of Golf Year Is Huge Success

The China Lake Golf Course was inundated with tournament players last weekend as the current golf season got off to a rousing start. Ninety-six golfers, including 16 men from the Hilton Inn, at Victorville, drew for partners in the Blind Partner's tourney.

This was the largest turnout since the days VAdm. Stroop was Commander, (not counting the annual Dewing Classic).

Deming MacLise, a local golfer, and Tony Astrada, from Victorville, finished with a net 78 and 64, respectively, to win the tournament at 142, one stroke under the teams of Curt Overstreet and Merrill Lloyd, Don Brown and Glen Shoblom, and Frank St. George and Murray Boyd, who carded net 143s.

The entry fee of \$3 per person included a buffet-style meal, served in the clubhouse, and punch. One local golfer was heard to state, "If all the tournaments this year are run with this much planning, I'll be there."

College Hoopsters Blast Loewen's Off Court, 67-53

The Cerro Coso Cagers slimmed-down the current first place tie in the Intramural Basketball League from three teams to two on Tuesday night as they knocked off the Loewen's hoopsters, 76-53.

Mark Moore was the workhorse for CC as he swept both the offensive and defensive boards and racked up 17 points in the process. Paul Kalff led the losers with seven field goals and six free throws for a total of 20 points.

The Loewen's team was very much in the ball game until the players lost their shooting eye in the third quarter. Behind 33-30 at the half, the TV-sponsored cage team managed only 4 points in the entire third period while CC pumped in 14. Roger Peck sparked the scoring outburst for CC with 9 points in the period as the fast-breaking club began finding the open man on the break. Rebounding strength was the key as CC controlled the boards throughout the second half.

In the final quarter, the Loewen's team found the range and came on to hit 19 points, but was still outscored by the CC quintet, which tipped in 20 points during the final eight minutes.

The foul-ridden contest saw the two clubs combine for 61 attempts from the charity stripe. CC had 26 fouls whistled against them, 18 in the first half, and Loewen's was caught on 23 infractions.

Shooting percentages were just about even from the line as the Loewen's team hit 17 of 32 attempts. CC scored on 15 of 29.

Along with CC, only Ace TV remains undefeated, and that picture may have changed as Ace played the talented NAF Hawks last night at 9 o'clock. Results of that game were not available at press time.

Other games this past week saw

the Dispensary sneak by the Valley Stars, 50-49. A scoring surge in the second stanza gave the Stars a relatively comfortable 10 point margin of 30-20 at the half. The intermission provided time for the Dispensary cagers to re-group and they came on strong in the next period to battle within one basket, 39-37. The closely fought contest waged on throughout the final period with the Dispensary Hoopsters finally pulling the game out of the fire in the last few seconds to hang on to the slim one-point victory.

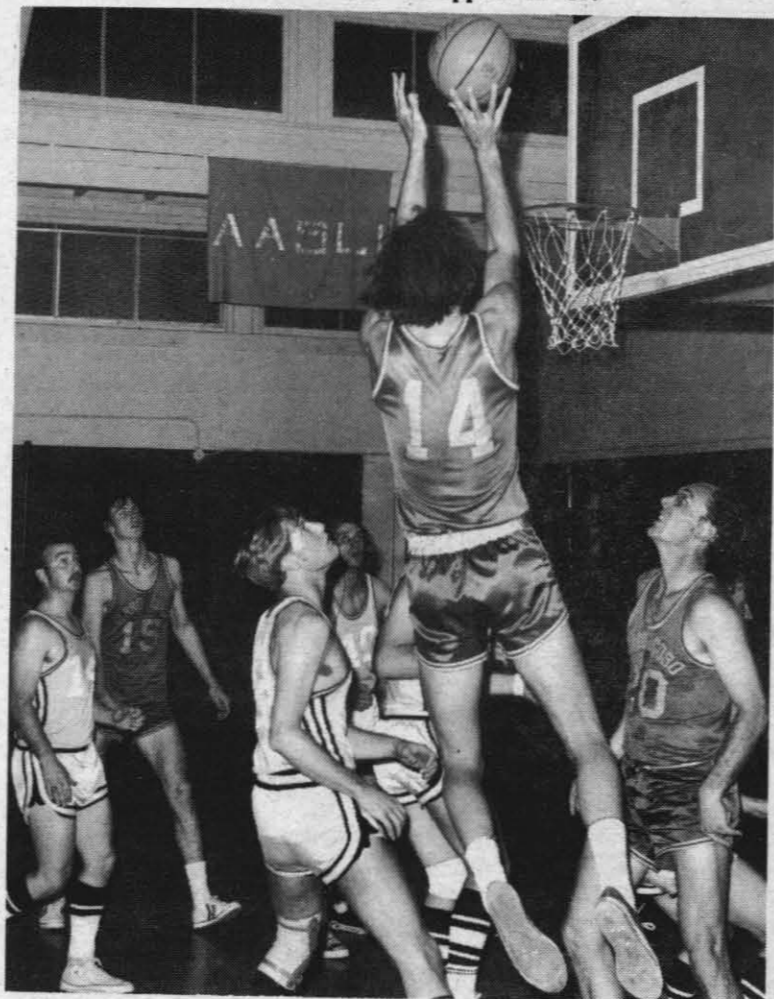
Tuesday's night-cap was another close game as NWC bounced the NAF Officers 58-50. A new league scoring record was set by NWC's Gary Pottiger as he canned 13 field goals and 6 free throws for a 32 point total. Pete Rice of the Officers had a fair night himself, scoring 30 points.

NWC received strong scoring support from Tom Thompson's 18 markers, while runner-up scoring honors for NAF went to Ed Brooks with 10.

Recapping last week's Division B action, the Honeywell Honkers dumped the Valley Stars 62-50. John Howard and Ted Zissos each had 13 points for the Stars, while the winning Honkers were paced by Mike Moss with 17.

In Division A, Loewen's handed the VX-5 Vampires their fourth straight loss of the season, 86-51. Five players hit double figures for Loewen's, but high-point honors went to Gordy Irvin with 20. VX-5's John Bateman led the scoring in his team's losing effort with 16. Bob Young followed with 14.

Another Division A contest saw the Cerro Coso cagers clobber the cellar-dwelling Bud Eyre squad, 83-27. Bill Ball led the scoring for the college club with 14 points, and Ted Lane and Mark Moore each dropped in 13.



CERRO COSO DOMINATES LEAGUE — Cerro Coso's Steve Quinton (14) goes high for a 12-foot jump shot against Loewen's in Tuesday night's action. The college quintet dumped Loewen's 67-53 and is now tied for first place in the league with Ace TV. Cerro Coso (dark jerseys) players awaiting the outcome of the shot are Jay Taylor (20) and Mark Moore (15). Loewen's hoopsters are Paul Kalff (33), Jim Ayers (14) and Dale Dowd (40).



WEAPONS PROGRAM REVIEWED—Three visitors from the Washington area were here last week to participate in the semi-annual review of the airborne directed energy weapons program. The program is directed locally by the Systems Development Department's Advanced Systems Branch, headed by Jerry Reed (at left). During their two day stay, the visitors (l-r) K. R. Enkenhus, L. S. McDonald and Capt. J. G. Wilson also met briefly with Rear Adm. W. J. Moran (at right) Commander of the Naval Weapons Center, and (next to him) H. G. Wilson, NWC Technical Director. Capt. Wilson and McDonald are program manager and assistant program manager, respectively of PMO 405, Naval Air Systems Command, Washington, while Enkenhus is the deputy program manager for PMO 405 at the Naval Ordnance Laboratory, White Oak, Md.

NWC Prospects for 1972 Outlined . . .

(Continued from Page 1)

Pointing out that the Naval Weapons Center is the major industry in the Indian Wells Valley, and its continued operation is essential to the local business community, Rear Adm. Moran then outlined some of the benefits which the private sector derives from an operation such as the Center.

Mentioned were salaries directly attributable to the Center amounting to \$80 million per year and the spending of roughly \$3 million per year on contract maintenance and minor construction. In addition, Rear Adm. Moran continued, major construction amounting to \$3 million is under way and during the present fiscal year NWC will spend about \$70 million on procurement. Of this latter sum, between \$10 and \$11 million will be spent in Kern County, it was added.

The local housing problem appears to be on the road to solution, the NWC Commander told his audience in Bakersfield, noting that there are presently eight developers who are building houses and apartments in Ridgecrest. Since 1968, when some speculative building was started, 597 houses have been built and sites are presently being prepared for 140 more homes, as well as a 100-unit mobile home park, a 50-unit apartment complex and 50-unit condominium project, the admiral said.

Breakfast . . .

(Continued from Page 2) Commander of the Naval Weapons Center.

Also on the program will be the playing of brief, taped messages by President Nixon and Secretary of Defense Melvin Laird, musical selections, a Scripture reading by Russell J. Zinter, senior chief fire control technician; and an inspirational talk by Capt. Gerald W. Jauchler, NWC Medical Officer.

Group singing will be led by Kenneth R. Anderson, aviation electronics technician first class; and the benediction will be given by Capt. William H. Sturman, Public Works Officer.

think it is safe to say that the new housing needs in the private sector are less than half filled at this time."

This private housing buildup has produced benefits in many areas, all of which directly or indirectly benefit Kern County, Rear Adm. Moran said as he called attention to the fact that the assessed valuation of real property in Ridgecrest has risen by an impressive 74 per cent — from \$10 million in Fiscal Year 1968 to \$17.4 million currently.

At the same time, commercial development is expanding and a new shopping center in Ridgecrest is planned this year which calls for an initial investment of \$2 million.

Rear Adm. Moran concluded his talk at the Business Outlook Conference by expressing appreciation for the opportunity to present an updated report on the programs and activities of the Naval Weapons Center and, along with Brig. Gen. Robert M. White, Commander of the Air Force Flight Test Center at Edwards Air Force Base, expressed optimism on behalf of the military sector for the economy of Kern County during the coming year.

Within the Naval Weapons Center, he added, a modest start has been made toward the goal of eliminating substandard Navy housing. So far 100 such housing units have been retired and the program will be continued at a reasonable pace until the announced goal of eliminating 700 such homes has been achieved.

Closing of the Corona Annex and the transfer of functions performed there to China Lake, along with 500 employees, put a "severe burden on an already strained housing and industrial inventory," Rear Adm. Moran said in regard to the move that was completed this past year.

Because of this, he continued, "many of our people are still under-housed in terms of normal expectations and their income. I

NWC Instructions On Vehicle Control Revised

Revised Naval Weapons Center Instructions on Vehicle Regulations and Control of Motor Vehicles, which have been updated to effectively control the operation of vehicles on board NWC and to provide for the registering and special decalling of unlicensed vehicles (motorcycles, motorbikes, and dune buggies) as a prerequisite to operation in approved recreational areas, are now in effect at China Lake.

In addition to spelling out the requirement that all off-street vehicles must be registered and receive a special decal before being operated aboard the Center, and also must undergo a safety check prior to being issued a permit to operate at China Lake, the revised instructions make it mandatory for those operating motorcycles or mini bikes at NWC to wear a helmet and either a face shield or goggles.

Passengers Must Comply This requirement also applies to motorcycle passengers and is effective 90 days after the revised NWC Instructions are published.

The helmets can be of any color meeting American National Standards Institute (ANSI) Standard No. Z90.1, while the face shield or goggles must meet ANSI Standard No. Z2.1. The NWC Safety Department carries a supply of approved helmets that are offered for sale on a non-profit basis, and they also can be obtained by military personnel and their dependents through the Navy Exchange retail store.

The NWC vehicle safety inspection, which unlicensed off-street vehicles must undergo prior to the issuance of a permit for their operation in certain areas designated for the recreational use of motor vehicles, covers the brakes, tires and muffler system.

Map Color Coded Along with the color coding of the new recreational vehicle area map, an extensive effort is in progress to physically mark approved recreational areas and access routes on the Center. These actions have been taken because of the numerous complaints received concerning excessive noise and operation of motorcycles and motor bikes in unauthorized areas and are part of the education-enforcement effort designed to

further assist recreational cyclists in complying with established vehicle regulations.

Access routes will be patrolled to insure compliance with speed limits and to prevent departure from designated routes.

In revising the NWC Instruction on Vehicle Regulations, a section covering the operation of bicycles at China Lake was added. Violators of these regulations can be cited into the NWC Traffic Court.

Bike Riding Banned Strictly prohibited by the new rules is bicycle riding on the sidewalks at Bennington Plaza in the shopping, theater and gymnasium areas. In addition, it is required that bicyclists ride as near to the right side of a roadway as practicable. They also are required to give the appropriate hand signals for turning and for stopping.

Between sunset and sunrise, every bicycle operated upon a street must be equipped with a lamp capable of emitting a white light that is visible from a distance of 300 feet in front of the bicycle. The bike also must have a red reflector on the rear that is visible from a distance of 300 feet to the rear when directly in front of the upper beams of the headlamps on a motor vehicle.

Report All Accidents Another of the requirements of the NWC Instruction on Vehicle Regulations is that all private vehicle accidents occurring within the boundaries of the Center, regardless of severity, be reported immediately to the Police Division for investigation.

Accidents involving official vehicles must be reported in accordance with NWC Instruction 5100.68.

Changes in the NWC Instructions on Vehicle Regulations and Control of Motor Vehicles have been made in the interest of both community safety and the protection of citizens of China Lake, according to Lt. Cmdr. R. M. St. Germain, head of the Security Department.

Parents are urged to discuss these motorcycle and bicycle regulations with their children as applicable. They are further reminded of their official responsibilities regarding liability for the actions of family members.



FIVE RECEIVE 20-YEAR PINS—A grand total of 100 years of federal service is represented by five employees of the Public Works Department who recently received their 20-year pins from Capt. W. H. Sturman (at right), department head. The pins were presented to (from left) Tyam K. Kahn, Sylvester Vaughn, Richard D. Stokes, Kenneth L. Elam and Tony D. Bohanan. Four of the five receiving 20-year pins—Kahn, Vaughn, Elam and Bohanan—are employed in the Maintenance-Utilities Division of the Public Works Department. Stokes, the fifth member of the group, is assigned to the department staff.

Experimental Video Tape Program Launched

New Service Available

An experimental program to determine the feasibility of utilizing video tape equipment as a means of communicating technical information has now progressed to the point where personnel involved in this effort feel that such an approach is practical.

"We are ready to offer this service to project engineers and others who wish a speedy, effective, attention-getting means of conveying updated reports on their activities to officials in Washington," Earle Kirkbride, head of the Technical Information Department's Presentations Division, reported.

Experimentally, video tape playback equipment has been set up at Jefferson Plaza, Building No. 2, in Arlington, Va. The equipment, consisting of an Ampex 1-inch playback-only tape deck and a monitor, can easily be wheeled anywhere in the building.

Exploring the potential of using video tape equipment for keeping project sponsors in Washington apprised of current developments has been under way for the past year at NWC. Bill Miller, head of the Motion Picture Branch, was assigned the task of making a thorough assessment of the place of video recording for the NWC technical communication field. He very shortly concluded that the only way of becoming informed would be to purchase and try out such equipment.

Under Miller's guidance, the Presentations Division of TID has moved ahead on this program by converting a documentary film sound stage within a warehouse for use as a video recording facility.

Installation by the Public Works Department of a criss-cross checkerboard pattern of lighting fixtures around the ceiling of the sound stage to replace portable floor lights was necessary in order to permit unrestricted movement of cameras around the floor.

A fair amount of equipment has been obtained and he feels, Kirkbride said, that the facility is quite well equipped by industrial standards. There are three Vidicon floor cameras, a locally-rigged film and slide chain that enables film and photo slide images to be



READY TO ROLL—From a control room at the rear of the sound stage, the director can instruct each of the camera operators on movements and framing, and direct the console operator as to what image is to be taped as the narration about a particular project moves along. Frank

copied onto video tape, two video recorders (a third is on order), and an intercom circuit connecting each of the camera operators with the director in the control room.

During the experimental productions attempted so far, either Miller or Kirkbride has directed the preparation of the video tape presentations. Other personnel from the Presentations Division of TID have manned cameras, lighting equipment and a switching console, designed and built by Mel Brawn, an electronics technician (now retired) who was employed in the former Aviation Ordnance Department at NWC.

Ampex equipment is being used almost exclusively at the present time, Kirkbride explained, because there are local representatives of this firm who are available to handle maintenance and repair work. Additional backup in this area is provided by employees in the Radar Division of the Electronics Systems Department.

Among benefits or advantages of the video tape presentations cited by Miller are that it is a fast means of reporting to Washington and can provide capsule information that will be an easily understandable frame of reference for written details that can follow if necessary.

Utilizing video tapes, it was pointed out by Miller, may in time reduce the need for frequent cross-country trips by engineers or project managers in order to clarify problems and report progress. When such trips are necessary it is believed that it will be possible to curtail their length while at the same time making them more effective, if a video tape presentation has preceded the visit.

In addition to being an attention getter (something that may not be true of a written report) the video tape presentation, once it is completed, can be kept readily available for reference and used to inform those who are unable to attend the original presentation.

How quickly a video tape presentation can be turned out here now depends on how well rehearsed and prepared the project engineer or other representatives of a particular program may be, and how accustomed they are to making such presentations.

For best results, a script has to be prepared, visuals assembled, floor layouts planned on the sound stage, camera movements blocked in, timing fixed, and switching operations set up before a presentation is taped. Barring

synchronization problems, information can be inserted from tapes that are generated in development and testing work. Also usable are high-speed camera coverage, slides, and photos.

From the experience gained so far, it appears clear, Miller and Kirkbride have concluded, that video tapes will provide a quick response, low-cost-per-minute audiovisual medium. They also think that in addition to being useful in presenting status reports on projects, the possibility exists for using video tape for internal briefings, interlab communications, and advance weapons training for the Fleet. In the latter instance, the video tape information probably would be transferred to 16mm or 8mm sound film.

It was Kirkbride's estimate that a fairly polished 10-minute video tape can be turned out in about three hours in the studio-exclusive of script preparation time. This production time could possibly be cut if the presentation was well planned and rehearsed in advance.

As soon as a video tape has been completed, at least one copy for the record is usually made. The original is then ready to mail or carry to Washington. Such tapes can be played and replayed, stopped and reversed, in order that certain segments can be seen over again, and even stopped so that individual pictures can be carefully scrutinized.

"As things now stand," Kirkbride said, "we have established the feasibility of preparing video taped status reports at the Naval Weapons Center. A problem that has not yet been solved involves ready access to equipment for viewing the tapes in Washington. At this point it is not practical or necessary to provide nearly every office with a playback tape deck and monitor. One possibility that suggests itself is to have one or more 'viewing rooms' manned by a trained equipment operator where small groups could gather to see tapes.

"There may be other possibilities. In any event, if the potential of the video medium for NWC technical communication

with Washington sponsors is to be realized, reliable, dependable, and accessible tape playback facilities must be provided," Kirkbride added.

Also looking ahead, there is a need for a little more production equipment at NWC, as well as work on the heating and cooling system for the sound stage, in addition to more permanent staff to make this service immediately available to project personnel on a regular basis. At the present time, experimental tapes have been made using employees of the Presentations Division who have other regular duties.

Kirkbride foresees that "the future impact of video tape on our lives will be enormous. We have addressed ourselves to using video tape in reporting on the status of project work. If it turns out to be as useful as hoped, we may wish to go into color production and also plan later to obtain some portable equipment for use in the field.

Technical Information Department Photo

Military Vote, Registration Drive Begins

With another Presidential election year at hand, the Assistant Secretary of Defense (Manpower and Reserve Affairs) has designated this February as "Armed Forces Registration Month."

As in the past, every effort will be made to insure that all members of the military family are aware of their obligation to take part in the 1972 elections.

A special form, the Federal Post Card Application for Absentee Ballot, has been printed and distributed for use by those covered by the Federal Voting Assistance Act of 1955. The eligible group includes members of the Armed Forces on active service, their spouses and dependents.

Locally, this form can be obtained by military personnel from personnel offices at NWC, the Naval Air Facility and Air Test and Development Squadron Five (VX-5), and voting counselors will be appointed to assist qualified individuals in registering and voting by the absentee ballot process.

Funds Sought For SeaBee Memorial

China Lake residents are being invited to join others throughout the nation in support of a drive that is being carried out to raise funds for a memorial to the SeaBees.

Plans call for the SeaBee memorial, which was designed by Felix de Weldon, sculptor of the Iwo Jima Memorial, to be placed along the Avenue of Heroes leading into Arlington National Cemetery.

Phil Nelson, a chief construction mechanic with Sub-unit 11-2 of Naval Reserve Mobile Construction Battalion 17, is serving as local chairman of the SeaBee Memorial Committee. Donations to the memorial fund can be sent to Nelson, phone 5315, or to Cmdr. Richard Malone, USNR, commanding officer of the local SeaBee Reserve unit, phone 3741.

The fund drive, which has been extended through May, will be highlighted locally by a celebration on March 18 that will be held to mark the combined birthday of the SeaBees and the Navy's Civil Engineer Corps.



HISTORICAL WORK NOW OFF THE PRESS—The first two copies of the history "Sailors, Scientists, and Rockets," covering the founding of NWC, are being signed and presented by author Al Christman to two associates of the Technical Information Department: Mary W. Miller, right, Christman's assistant on the project, and Florence A. Dinsmore, editor of the book.

First Volume About Early History of NWC Published

In August, 1943, when Dr. C. C. Lauritsen and Cmdr. J. C. Renard circled over Indian Wells Valley in a small Beechcraft biplane and landed at the Inyokern airstrip, they were not concerned with making history; their concern was in making rockets for the American fighting men of World War II. For this, more space for rocket testing was needed. But history, too, was being made.

The casual flight of the naval officer and scientist focused interest on Indian Wells Valley as the site for building what was to become the Naval Ordnance Test Station, subsequently NWC.

This, and other incidents in the founding of NWC, are related in the book "Sailors, Scientists, and Rockets," just published by the Government Printing Office under the joint sponsorship of the Naval Weapons Center and the Division of Naval History, in Washington. This is Volume 1 of two planned volumes on the early history of NWC, written by Al Christman of the Technical Information Department. Christman was aided in his research by his assistant, Mary Miller.

It not only tells the story of the founding of NOTS but also of the two factors which most strongly influenced the early character of the Station: the Navy rocket program, and the military-scientific relationships affecting the development of new forms of naval ordnance.

Copies of "Sailors, Scientists and Rockets" for departments and divisions of NWC have been received and will be distributed in the near future. These copies are to be permanently retained in the receiving offices.

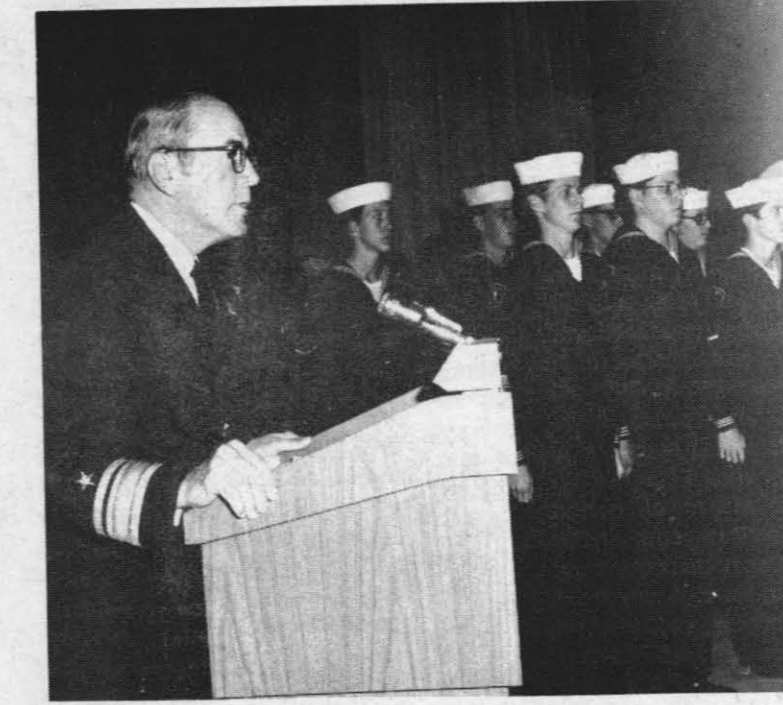
For the convenience of individuals who would like personal copies, the Maturango Museum has arranged for a supply. These copies can be obtained for \$5.25, which includes tax and mailing.

The Museum also has copies of an announcement that is available for persons wishing to mail information on the book to former residents of Indian Wells Valley.

Human Relations Workshop Planned

A workshop designed to provide all levels of personnel with practical training in human relations skills will be presented by the Naval Weapons Center's Employee Development Division on Feb. 15 and 17, in Room 203 of the Training Center.

Dr. Bertram Barer, of the San Fernando Valley State College, will instruct the two day workshop. Enrollment forms are due by Feb. 4 in order to be considered for the course.



SEA CADETS COMMENDED—Congratulations and words of encouragement were given charter officers and members of the VX-5 Naval Sea Cadet Corps Squadron by Rear Adm. W. J. Moran, Commander of the Naval Weapons Center, during the squadron's commissioning ceremony held Saturday night at the Community Center.

Sea Cadet Unit Commissioned . . .

(Continued from Page 1)
Sgt. Emery in preparing them for the formal commissioning ceremony, a Marine NCO sword was presented to Sgt. Emery by Cadet Petty Officer Michael A. Richno on behalf of his fellow Sea Cadets.

Another special highlight of the evening was the announcement by Navy League President West that Cadet Thomas H. Foster, a charter member of the VX-5 Naval Sea Cadet Corps Squadron, has been nominated by Congressman Barry Goldwater, Jr., to attend the U. S. Naval Academy. Foster was unable to be in uniform with his fellow cadets Saturday night because of a broken leg sustained recently in a tobogganing accident.

Others to whom tribute was paid for their part in helping to organize and train the new Sea Cadet Squadron were Lt. Cmdr. Carl Richno, the NWC liaison of-

ficer to the Naval Sea Cadet Corps, and Robert E. McKnight and Archie Meyer, members of the local Navy League's Sea Cadet Corps Committee.

A number of visiting Navy League officials were present Saturday night for the formal commissioning of the VX-5 Naval Sea Cadet Corps Squadron. Included in this group were Ed Ducommun, president, and Tom Canady, Naval Sea Cadet Corps director for the Navy League 11th Region; Alex Fussell, Navy League state president for Southern California; Lt. Cmdr. Chet Mullis, commanding officer of the Hepburn Sea Cadet Division in Pomona, and Millford C. Carlson, a Navy League national director from Inyokern.

Music for the occasion was provided by the Murray School band, under the direction of Alberta Kline.

Happenings Around NWC

Oil Painting Class
Registration is now being taken at the China Lake Community Center, phone ext. 2010, for oil painting classes that will be conducted there by Francilu Hansen, starting at 7 p.m. on Tuesday, Feb. 8.

Another session of the same class is scheduled to get under way at 9 a.m. on Wednesday, Feb. 9, at the China Lake Youth Center. Both classes will continue for eight weeks.

Tryouts for Play
Tryouts for the next China Lake players' production, a comedy entitled "Enter Laughing," will be held tonight, as well as on Monday and Tuesday nights at 7:30 at the Players' Hut, 405 McIntire St., China Lake.

A cast of nine men and four women is needed for the play, which is to be directed by Fred Stahman and will be presented on the weekends of March 17-18 and 24-25.

"Enter Laughing" was written by Joseph Stein and is an adaptation for the stage of the novel by Carl Reiner. Additional information can be obtained by calling 446-7314.

Museum Visit Slated
A special visit to the Maturango

Museum has been arranged on Tuesday morning for members and friends of the Indian Wells Valley Newcomers Club.

All persons interested in attending have been asked to be at the Naval Weapons Center main gate at 9:30 a.m. Tuesday, when passes will be issued. Child care facilities will be available, for a small charge, at the Immanuel Baptist Church, 201 Graaf St., Ridgecrest.

Mrs. Alice Dubin, curator, will be present to show Newcomer Club members through the museum.

AFS Fund Raiser Set
The Burroughs High School chapter of the American Field Service will hold a spaghetti dinner Tuesday from 5:30 to 8 p.m. at the United Methodist Church in Ridgecrest.

Dinner prices have been set at \$1.50 for adults and 75 cents for children under 12 years of age.

Bottle Drive Planned
The Burroughs High School band boosters will sponsor a bottle drive on Saturday, Feb. 5, in the China Lake area. Any person who wishes to donate bottles may mark them, "For Burros Band Boosters," and place them outside their door for easy pick up.

SIRE GROUP MEETS AT NWC—Four NWC representatives at the 10th Systems Information Review and Exchange (SIRE) meeting, held Jan. 19-20 at NWC, pose with two representatives of NAVAIRSYSCOM, who also attended the meeting. The men are, l-r, C. W. Mettenburg, AGILE program manager; F. A. Chenault, Systems Development Department head; W. F. Cartwright, AGILE Development Division head; Capt. W. B. Haff, Code 141 Plans and Operations Officer, and L. S. McDonald, Code 03, NAVAIRSYSCOM, and Capt. Henry L. Halleland, Code 05, NAVAIRSYSCOM. The intent of the SIRE meetings is to serve as a forum in which the technical people discuss their problems, progress and challenges. In addition, it has come to serve as a project history. The tenth SIRE meeting included participants from NAVAIRSYSCOM and other Navy Labs, and was an AGILE technical reporting and planning meeting at which major problems were discussed and NWC personnel and sponsors were brought up-to-date on the complete program.

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OSD COMMITTEE VISITS NWC—Dr. N. E. Ward, (center), Associate Technical Director, met with members of the Office of the Secretary of Defense (OSD) Committee on Test and Evaluation Funding this week during their two-day visit to the Center. The Honorable G. W. Bergquist, Deputy Assistant Secretary of Defense, (on Dr. Ward's right), chairman of the group, and committee members T. C. Everett, of the Office of Director of Defense Research and Evaluation (on left), D. V. Schnurr, of the USAF (on right), and David Jewett, Office Manpower Board, are shown discussing their visit with Dr. Ward. The committee was sent here to study Department of Defense funding policies for test and evaluation activities.