



**READY FOR OPENING NIGHT** — Robert Coleman (at left), David St. Amand, and Tom Summer (at right) portray the roles of detective story writers Chandler Marlowe, Peter Flimsey and Louie Fan, respectively, in the Young China Lake Players' production of "The Butler Did It," which opens tonight at 8:15 at the Las Flores School auditorium in Ridgecrest. The play is a satire on whodunnit mysteries.

—Photo by Don Cornelius

## Curtain to go up tonight on satire on whodunnit mysteries

"The Butler Did It," a satire on whodunnit mysteries that takes place in a secluded island mansion, will be presented by the Young China Lake Players tonight at 8:15 at the Las Flores School auditorium in Ridgecrest.

Repeat performances also are scheduled at the same time and place tomorrow night and on Friday and Saturday evenings, Aug. 14 and 15.

Deborah Reid, a spring graduate of Burroughs High School, is the director with

## Cerro Coso graduate to take part in state capital internship

Debra Hartley, a spring graduate of Cerro Coso Community College, has been selected to participate in the 1981 Student Affirmative Action/Extended Opportunity Programs and Services Student Transition Project.

The project offers eligible community college students an opportunity to simultaneously work and study in Sacramento in an internship program at the state capital.

Only about 100 students from community colleges in California are selected to participate in this program, which gives students a first-hand opportunity to combine study of the California legislative process with an internship experience at the state capital.

She is enrolled in California State University, Sacramento, for the fall semester and will be leaving for school early this month.

Ms. Hartley was recently involved in an orientation program in Sacramento in preparation for the internship program. Her assignment in one of the state capital legislative offices has not yet been determined.

A graduate of Burroughs High School, Ms. Hartley lives in Ridgecrest.

To qualify for this project, she was required to meet the Student Affirmative Action criteria, as determined by the California Community College's Board of Governors, complete a course in Political Science 1 or its equivalent, submit a written essay on a current California political or public policy issue, and have a genuine desire to learn about and become directly involved in state and local government.

### Thrift Shop slates sale

Interested in bargains?

The Women's Auxiliary of the Commissioned Officers' Mess (WACOM) is having a half price sale at the WACOM Thrift Shop, located on Lauritsen Road across from Schoeffel Field.

This two-day sale is on Tuesday, Aug. 11 from 7 to 9 p.m. and on Thursday, Aug. 13 from 10:30 a.m. to 12:30 p.m.

## Space available at Cerro Coso Child Development Center

The Cerro Coso Child Development Center presently has room to enter more children in the child care program. Children can be entered into the program on either a full-time or a part-time basis for a nominal fee.

The Child Development Center is open throughout the year, Monday through Friday, from 6:30 a.m. until 5:30 p.m. The center offers a comprehensive education program for children from 2 through 8 years of age. Hot lunches are also provided for the youngsters.

According to Dr. Allison Swift, Associate Dean of Instruction at Cerro Coso College, "The goal of the Child Development Center is to assist each child in his or her own way to develop a positive self-concept, social skills and creativity, as well as to build foundations for future reading skills and other academic pursuits."

To apply for child care, or for further information, call the Cerro Coso Child Development Center at 375-5001.

## IWV Navy League to sponsor Sea Cadet swim party

The Indian Wells Valley Council of the Navy League is sponsoring the second annual Sea Cadet swimming party and barbecue on Friday, Aug. 14 at 7 p.m. at the Chief Petty Officers' Club.

Sea Cadets and their parents, prospective Sea Cadets and division officers will be guests at this barbecue where hot dogs, hamburgers, salad, soft drinks and beer will be served.

LCdr. Bill Fees, USN SCC, is the Commanding Officer of the local Sea Cadet unit. Other officers are Lt. Jackie Kinnard, Robin Yates, LCdr. Chip Lancaster, Ltjg. Jerry Angle and Ens. G. A. Gulyas III.

Reservations for the Sea Cadet party can be made by calling 446-5488 or 446-7244. The price for the barbecue is \$4.50 for Navy League members. Reservations must be made no later than Sunday.

### TELMED TAPE OF WEEK

The vegetarian diet is not for everyone. With the natural food movement people are more conscious about what foods to eat. By calling TEL-MED at 446-3541 and listening to tape No. 599, "Vegetarian diet," people can learn about nutrition and the proper way to begin a vegetarian diet.



## Weekend Roundup

Community Light Opera and Theater Association summer production of "Grease" opens tonight at 8:15 at the Burroughs High School lecture center. "Grease" will run tomorrow night and Tuesday through Saturday, Aug. 11-15.

Leather jackets and poodle skirts will be worn by members of the cast for this evening of reminiscence about life in the '50s.

Tickets are available from cast members before the performance or at the lecture center box office prior to each performance. The price of admission is \$3 for general admission and \$2.50 for senior citizens, students under 21 years of age and enlisted military personnel.

Also on stage this weekend is "The Butler Did It," presented by the Young China Lake Players.

The play, written by Tim Kelly, is a satire of "whodunnit" mysteries that takes place in a secluded island mansion. Deborah Reid directs this Young China Lake Players production.

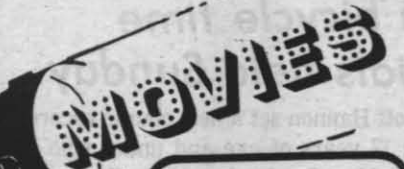
The opening curtain is tonight at 8:15 at Las Flores School auditorium. The play runs tomorrow night and on Friday and Saturday, Aug. 14-15, as well.

Admission is \$3 for general admission and \$2 for students, enlisted military personnel and senior citizens.

The Maturango Museum is sponsoring a field trip to Inyo County's famed Bristlecone Pine forest. No advanced sign-up or fee is required and participants will gather at Schulman Grove Visitor Center (follow right turn signs just north of Big Pine) at 10 a.m. on Sunday.

Campsites are available at Grandview Camp Ground for those who wish to camp out tomorrow night.

Tonight at the Enlisted Mess there will be a 4-piece rock 'n roll band, "Hanley Page." The band, from the Los Angeles area, will play from 9 p.m. until 1:30 a.m. Featured on the menu at the EM this evening are steak and shrimp dinners that will be served from 6 to 9 o'clock.



ALL AGES ADMITTED  
General Audiences  
PG: ALL AGES ADMITTED  
Parental Guidance Suggested  
Some Material May Be Inappropriate  
Under 17 requires accompanying Parent or Adult Guardian

Regular starting time: 7:00 p.m.

<b>FRIDAY</b>	<b>AUGUST 7</b>
<b>"THE GRADUATE"</b>	
Starring Dustin Hoffman and Anne Bancroft (Comedy-drama, rated PG, 102 min.)	
<b>SATURDAY</b>	<b>AUGUST 8</b>
<b>"NORMA RAE"</b>	
Starring Sally Field and Ron Liebman (Social-drama, rated PG, 115 min.)	
<b>SUNDAY</b>	<b>AUGUST 9</b>
<b>"ALIEN"</b>	
Starring Tom Skerritt and Sigourney Weaver (Sci-Fi-horror, rated R, 136 min.)	
<b>MONDAY</b>	<b>AUGUST 10</b>
<b>"CHARLIE CHAN AND THE CURSE OF THE DRAGON QUEEN"</b>	
Starring Peter Ustinov and Richard Hatch (Mystery-comedy, rated PG, 96 min.)	
<b>TUESDAY</b>	<b>AUGUST 11</b>
2 p.m. Matinee <b>"IN SEARCH OF THE CASTAWAYS"</b>	
Starring Maurice Chevalier and Haley Mills (Adventure, rated G, 95 min.)	
<b>WEDNESDAY</b>	<b>AUGUST 12</b>
<b>"NINE TO FIVE"</b>	
Starring Jane Fonda, Dolly Parton, and Lily Tomlin (Comedy, rated PG, 110 min.)	
<b>THURSDAY</b>	<b>AUGUST 13</b>
2 p.m. Matinee <b>"ESCAPE TO WITCH MOUNTAIN"</b>	
Starring Denver Pyle and Kim Richards (Drama, rated G, 95 min.)	
<b>FRIDAY</b>	<b>AUGUST 14</b>
<b>"POPEYE"</b>	
Starring Robin Williams and Shelley Duvall (Action-comedy, rated PG, 114 min.)	

## Retirement party honoring Bob Boot planned on Aug. 28

Plans were announced this week for a retirement party honoring Bob Boot that will be held on Friday evening, Aug. 28, at the Commissioned Officers' Mess.

A social hour starting at 6 p.m. will precede presentations to the guest of honor at 7 o'clock.

Boot has been head of the NWC Fuze and Sensors Department for the past six years — half of that time in an acting capacity until his formal selection was approved in July 1978.

A social hour starting at 6 p.m. will precede presentations to the guest of honor at 7 o'clock, and a dinner will follow.

In order that name tags can be prepared in advance, those planning to attend the social hour and gift presentations are asked to contact the Program Coordinator's Office by calling NWC ext. 2634.

Dinner reservations can be made by calling the COM office at 446-2549.

### AFGE to meet Monday

The American Federation of Government Employees, Local 1781, will hold its next regular monthly meeting on Monday at 520 E. Inyokern Road, starting at 7 p.m.

U.S. Government Printing Office:  
1981 — No. 37

From:	PLACE STAMP HERE
To:	

## China Lakers earn external college degrees

"The success of the Naval Weapons Center depends on people keeping themselves current in their field," Bob Hillyer, NWC Technical Director, told graduates of the Center's external degree and long term training programs at the annual Graduates Honor Luncheon on July 29, "and I congratulate all of you on the commitment that you have shown in completing your formal programs."

Ways to keep current in a field, said Hillyer, include work on the job, reading of journals, and home study, but the best way is through a formalized program that has structure and discipline.

Hillyer also commended the Personnel Department for making the opportunity available for Center employees to complete their education through six external degree programs, where the degree is of the same level as that earned on the university campus, but where all or the majority of class time is spent at NWC.

### COMMAND INTEREST HIGH

Capt. John Patterson, Chief Staff Officer, spoke on behalf of Capt. Jude Lahr, NWC Commander, in expressing a high degree of interest in individual self-development programs and in the Center's 100 percent support for employees who are continuing their education through opportunities made available at NWC.

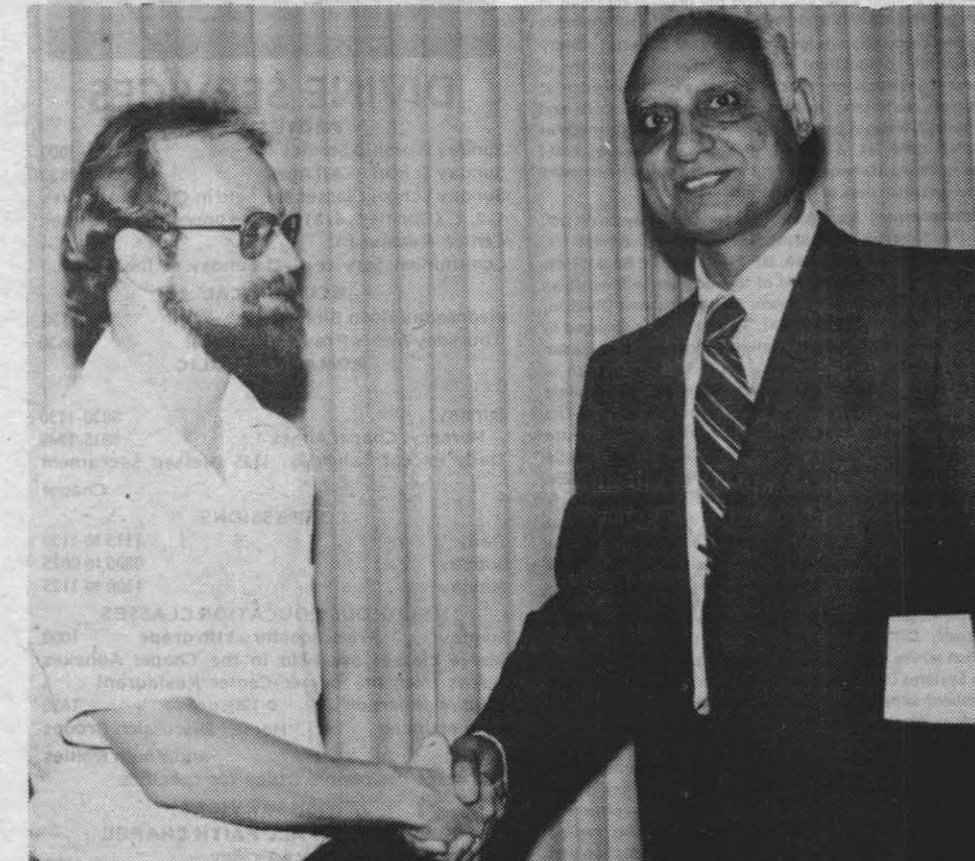
Clara Erickson, who served as mistress of ceremonies, then introduced the representatives from the individual colleges and universities, and they recognized the individuals who completed their studies for degrees this year through NWC-sponsored programs.

Dr. Roy Dull from Cal-State Bakersfield (CSB) noted that faculty members from that school have driven more than 250,000 miles between the campus and China Lake during the nine years that CSB has conducted external degree programs on Center.

### PROGRAMS OFFERED BY CSB

CSB conducts two external degree programs at China Lake: the Business Administration Program and the Public Administration Program. Receiving a Bachelor of Science Degree in Business Administration was Mary Plauson. Public Administration graduates receiving an MPA degree were Ann Kurotori, Lee Ann Riddoch, and Linda Johnson. Mrs. Johnson, who does not work for the government, is the wife of Dick Johnson, associate head of the Electronic Warfare Department. Karen Buehler also received a master's degree in Behavioral Science, achieved on an individual study basis directly with Bakersfield.

(Continued on Page 4)



**FIRST GRADUATE** — Brent Nave (l.), the first Center employee to receive a graduate electrical engineering degree from the Cal-State Northridge external degree program conducted at China Lake, is congratulated by Dr. Jagdish Prabaker, program advisor. Another 30 students are currently enrolled.



NAVAL WEAPONS CENTER  
CHINA LAKE  
CALIFORNIA

## Potential bidders on lease of land in geothermal area begin heat flow drilling

Heat flow drilling has been initiated by two companies that are interested in submitting bids for leasing Navy land in the Coso Known Geothermal Resource Area (KGRA), where underground water and steam has the potential for being converted for use in producing electric power.

Navy land makes up a little more than half of the 66,000 acres contained in the KGRA, which the Bureau of Land Management (BLM) plans to offer in a competitive bid lease sale later this year. The area is about 45 miles north of the housing area at China Lake.

Nearly a dozen employees of the two companies are on the scene with three small rigs suitable for drilling to a depth of 500 to

1,000 ft. The heat flow data each firm obtains will be for its exclusive use in preparing bids for leasing the property.

The exploratory work is expected to continue until mid-September, which is the end of a 90-day period designated for this purpose by the Navy, and is the date when the BLM plans to conduct the competitive bids lease sale.

The way was opened for exploratory drilling in this high potential geothermal area on the Naval Weapons Center by the recent approval by the Secretaries of the Navy and the Department of the Interior of a modified public land order permitting this work.

According to Dr. Carl Austin, head of the

NWC Public Works Department's Geothermal Utilization Division, the agreement represents a significant forward step by both Federal departments in achieving a major multiple-use energy program on lands controlled by the Department of Defense.

Dr. Austin referred to the agreement as a precedent-setting one, noting that if it is determined that the Navy can carry out its mission while industry operations are being conducted in the same area, it will mean that similar agreements can be worked out elsewhere.

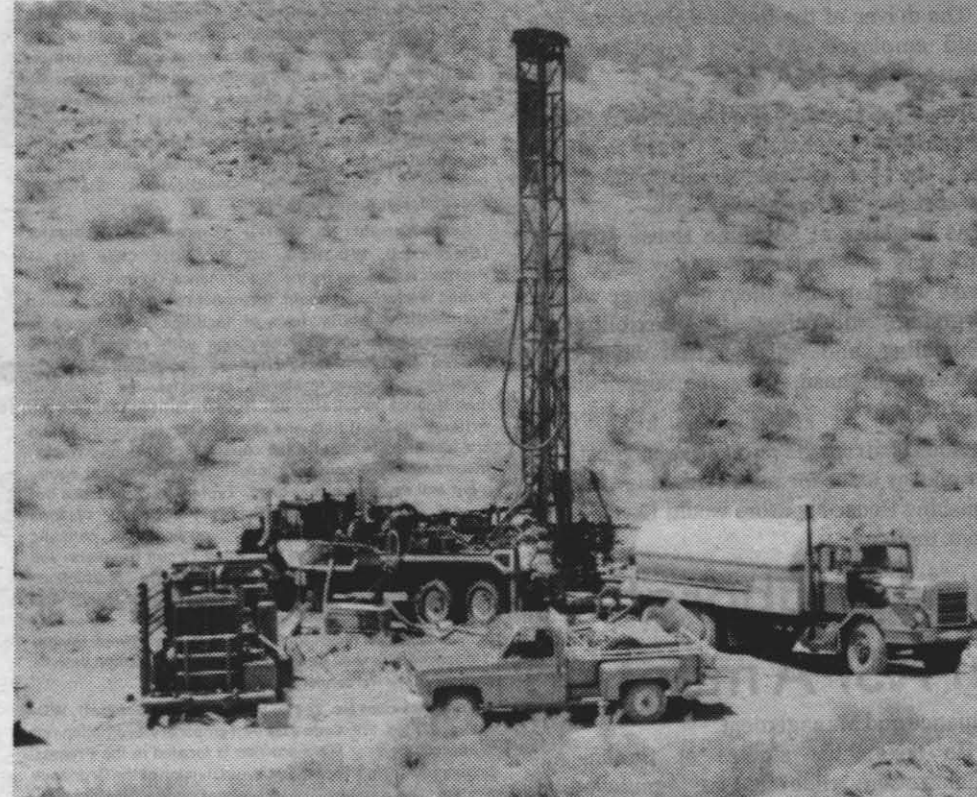
Preliminary studies in the Coso Known Geothermal Resource Area indicate that the resource will be both steam and water having a temperature of about 425 degrees Fahrenheit — considerably hotter than needed for the production of electricity. Estimates of the potential generating capacity of geothermal resources range from 675 to 4,000 megawatts.

A megawatt is considered sufficient to provide the electrical energy needs of 1,000 persons. Thus, at the more conservative estimate of 675 megawatts, there would be enough electricity for 675,000 persons.

Not open for bidding when the BLM competitive lease bid sale begins in mid-September is the 4½ square mile area where the Navy has contracted with the California Energy Corp. for geothermal development, and 2,560 acres that the Navy has reserved for other purposes.

Three major electrical power transmission lines already cross an edge of the Coso Known Geothermal Resource Area. These lines are a part of electric power distribution systems of the Southern California Edison Co., the Pacific Northwest Intertie, and the Los Angeles Department of Water and Power.

It is estimated that the electric power production from the KGRA could be on line in about five years from the time that leases are awarded.



**DRILLING ACTIVITY INCREASES** — Before submitting bids for leasing Navy land in the Coso Known Geothermal Resource Area, prospective bidders have been given the opportunity to do their own heat flow drilling in order to obtain data useful to them in preparing their bids.

—Photo by Gene Edwards

## Communications gear installed at Range Control Center



**NO MARGIN FOR ERROR** — Army Sgt. 1st Class Johnny Tiller examines a panel jammed with cables and switches to insure that the installation has been properly done. Among its specialized functions, this particular panel will enable drone aircraft flights to be controlled from the Range Control Center.

(See story, photos on Page 3)





READY FOR SERVICE — Jan Linden, operator of the "Sunshine Wagon," loads food for the day's deliveries as James Van Stevens, a Sunshine House client, watches. Sunshine House, activity center for handicapped adults, is now operating the food service truck at the Naval Weapons Center. — Photo by Don Cornelius

## Sunshine House now operating food service truck on Center

The Sunshine House organization has taken over the operation of the food service truck on the Center. Thanks to the donation of the truck, two ice machines, and a beginning inventory, Sunshine House workers have been able to continue with the route previously established by another vendor.

All proceeds from the sale of the various foods, drinks, fruits, and snacks go to the funding of various programs at Sunshine House. Since the beginning of their food service operation, health foods have been added such as yogurt, cottage cheese, and fresh juices. In addition, the sandwiches come from Sandwiches n' Things, and there are hard-boiled eggs, granola bars, and veggies in baggies.

Because of the high product costs for insurance, vehicle maintenance, carbon dioxide and propane, the profit margin is

## Talk about measuring laboratory performance set at ASPA meeting

How to measure the performance of a laboratory such as the Naval Weapons Center will be discussed by Dr. Ross Clayton at an open lunch meeting of the American Society for Public Administration on Tuesday, Aug. 18, at 11:30 a.m. at the Commissioned Officers' Mess.

The speaker designed the methodology that will be used in an external evaluation of the Civil Service Reform Act Demonstration Project currently in operation at NWC.

Dr. Clayton will also present the Bjorklund Award for Management Innovation given annually by the East Kern County Chapter of ASPA. When Dr. Clayton was a China Lake employee, he worked for the late Russell W. Bjorklund in what then was Central Staff and is now the Office of

Finance and Management.

He began his studies of Public Administration while he was employed at China Lake. After completing his doctorate in the field, he moved to the University of Southern California, where he is now Professor of Public Administration and Director of the Sacramento Public Affairs Center.

All interested persons are invited to attend. Reservations are required and must be made by Aug. 14. They may be made by telephoning Joan Crista, NWC ext. 3535; Mickey Strang or Beverly Becksvoort, NWC ext. 3354; or Bill Eichenberg, 375-1321.

Menu choices at \$3.75 each are chef salad or a hot baked ham lunch. Tickets must be purchased in advance.

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

Captain Jude Lahr  
NWC Commander

R. M. Hillyer  
Technical Director

S. G. Payne  
Public Affairs Officer

Don R. Yockey  
Editor

Mickey Strang  
Associate Editor

Beverly Becksvoort  
Editorial Assistant



News Stories Tuesday, 4:30 p.m.  
Photographs Tuesday, 11:30 a.m.  
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## Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 268. 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. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

**Announcement No. 00-012, Secretary (Typing), GS-318-4/5, PD No. 8009023, Code 022** — This position is part-time. This position provides clerical, typing, and other administrative support to the Staff Judge Advocate. Duties include receiving, screening and distributing mail; receiving visitors and phone calls to the Legal Assistance Office, directing them to the appropriate person; providing information on non-legal matters; maintaining files; scheduling appointments and meetings; preparing time cards; travel orders, stubs, etc.; and preparing official correspondence from rough drafts, notes, or oral instruction. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Previous applicants need to reapply. **Supplemental Qualifications Statement** required, along with form 171. Supplemental available in the Personnel Bldg., Rm. 208, from Susie Cross.

**Announcement No. 1206, Secretary (Typing), GS-318-4/5, PD No. 7912968, Code 12** — This position is located in the Weapons Planning Group and reports to the Program Director for NWC Corporate Planning. Major duties include receiving visitors, telephone calls and mail; typing official correspondence, travel orders, security clearances and itineraries; scheduling conferences and meetings; and maintaining supervisor's calendar and files. **Job Relevant Criteria:** Must be proficient typist; must have thorough knowledge of Center clerical procedures; must be able to deal with a wide variety of clerical and administrative procedures. **Supplemental Qualifications Statement** required, along with form 171.

**Announcement No. 26-112, Planner and Estimator (Electrician), WD-2605-8, JD No. 402N, Code 2612** — Position is located in the Maintenance Control Division, Public Works Department. Incumbent performs scheduled equipment and tests of facilities as assigned to determine the physical condition with respect to the desired facilities categorization. Incumbent provides detailed manpower/material estimates for identified maintenance requirements. Responsibilities include job writeup, material lists and sketches for correction which are identified to be with the capabilities of Public Works. Incumbent shall coordinate inspection of equipment and systems as assigned. Typical work includes but is not limited to inspection of electrical systems (buildings), electric motors, generators, cathodic protection systems, fuses and small circuit breakers. **Job Relevant Criteria:** Ability to facilitate production; technical practices; ability to interpret instructions and specifications; knowledge of pertinent materials; knowledge of pertinent tools and equipment. **Supplemental** is required and may be picked up at the reception desk or Rm. 210 of the Personnel Building.

**Announcement No. 32-019, Shop Planner (General), WD-6701-4, JD No. 779, Code 3253** — Temporary promotion not to exceed one year. This position is located in the Process Support Branch, Process Systems Division of the Ordnance Systems Department. The incumbent reviews work orders, related instructions and drawings to determine materials and equipment needed by branch journeymen to accomplish specific maintenance repair and construction projects. Initiates requests for material procurement and insures that delivery is coordinated with shop schedules. Follows progress of work and assists planner and estimator with a respect to the ad. **Supplemental Qualifications Statement** is required and may be picked up at the reception desk of the Personnel Building.

**Announcement No. 33-010, Supervisory Physicist DP-1310-3/4, Supervisory Electronics Engineer, DP-855-3/4, Supervisory Mathematician, DP-1520-3/4, PAC No. 8133518, Code 3313** — The incumbent of this position will serve as head, Radio Frequency Branch, Sensor Systems Division, Fuze and Sensors Department. This branch is engaged in research and development related to proximity fuze, radar and electromagnetic modeling projects. The branch is organized to perform R&D of antennas, RF components and mathematical modeling of RF target signatures. The branch is also responsible for operation of the Fuze Departments Encount Simulation Lab and its Missile Component Test Facility. **Job Relevant Criteria:** Experience with RF Systems or RF Components is necessary; interest in and potential to manage people problems; ability to plan, organize, assign, and review work; ability to communicate with others effectively, both orally and in writing. Previous applicants need not apply.

**Announcement No. 33-016, Supervisory Electronics Engineer, DP-855-3/4, PAC 8133538, Code 3336** — This position serves as the head, Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. The incumbent supervises eight to fourteen professional and technical employees engaged in development, test and evaluation of proximity fuze systems for anti-air missiles. The incumbent provides technical planning and management over the branch's projects. The work of the branch encompasses the spectrum of the development process from concept formulation through engineering development and documentation to Fleet introduction and production. **Job Relevant Criteria:** Knowledge of the fundamental principles of radar of proximity fuze system design is required; demonstrated ability to manage broad spectrum RDT&E programs; ability to supervise, plan,

organize, assign and review work; ability to communicate with others at all levels effectively, both orally and in writing. Support of the principles of EEO.

**Announcement No. 35031, Interdisciplinary Position (Supervisory Electronic Engineer, DP-855-3; Supervisory Mechanical Engineer, DP-830-3, or Supervisory Physicist, PD-1310-3), PAC No. 8035633E, Code 3543** — This position is head, Countermeasures Branch, Microwave Development Division, Electronic Warfare Department. Incumbent will manage and provide technical direction of advanced electronic warfare exploratory and development programs assigned to the Countermeasures Branch. Will provide supervision and guidance to approximately 12 subordinate personnel, including engineers and technicians. Responsible for support of the EEO program. **Job Relevant Criteria:** Knowledge of electronic warfare concepts and technology; knowledge of electronic countermeasures, counter-counter measures and support measures; knowledge of radar theory and techniques; ability to deal effectively with others; ability to communicate clearly; support of the EEO program. Previous applicants need not reapply.

**Announcement No. 35-034, Secretary (DMT), GS-318-5, PD No. 7335088N, Code 355** — Position is located in the Electronic Warfare Department, EWTE Division. The duty station is the Randsburg Wash Test Site (ECHO Range) and is on the first forty work week (10 hours per day — Monday thru Thursday). Navy transportation is available to and from the worksite. Incumbent will provide secretarial support to the division head and be responsible for the smooth, administrative operation of the division office. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. A special Supplemental statement is required as well as a SF-171 and must be picked up from the receptionist in the Personnel Department. Applications will be accepted from reinstatement/status eligibles. Promotion potential to GS-6.

**Announcement No. 39-021, Secretary (Typing), GS-318-4, PD No. 8039688N, Code 391** — This position provides secretarial services to the head, Sensors and Platforms Branch. The incumbent will provide the full range of secretarial and clerical operations required for smooth operation of the branch. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management. (Continued on Page 7)



## DIVINE SERVICES

PROTESTANT			
Sunday Worship Service	1000		
Sunday School — All Ages	0830		
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.			
Communion Service first Sunday of the Month.			
ECUMENICAL			
Wednesday Noon Bible Study	1130		
Thursday Men's Prayer Breakfast	0630		
ROMAN CATHOLIC			
MASS			
Sunday	0830-1130		
Nursery, Chapel Annex 1	0815-1245		
Daily except Saturday, 1135 Blessed Sacrament			
	Chapel		
CONFESSIONS			
Daily	1115 to 1130		
Sunday	0800 to 0825		
Sunday	1100 to 1125		
RELIGIOUS EDUCATION CLASSES			
Sunday Pre school thru 11th grade	1000		
Above classes are held in the Chapel Annexes across from the former Center Restaurant			
Sunday afternoon	12th grade	1630	
As announced "Home" Discussion Groups and Youth Rallies			
Contact Chaplain's Office for specifics			
JEWISH SERVICES			
EAST WING — ALL FAITH CHAPEL			
Sabbath Services every Friday	1930		
UNITARIANS			
CHAPEL ANNEX 95			
Sunday Services (Sept.-May)	1930		

## Youth sets record in bicycle time trials held Sunday

Scott Hannon set a new course record for boys 17 years of age and under who were entered last Sunday in a 19.6-mile time trial for bicycle riders conducted by the Indian Wells Valley Wheelers.

Hannon's mark was 1 hr., 24 min., 12 sec. Runners-up in the junior division of this event, and their times, were Jeffy Welty, 1:30:39, and Mike Welty, 1:32:06.

Wind and weather conditions were reported to be ideal last Sunday morning when the IWV Wheelers' time trials began at 8 a.m. at the intersection of S. China Lake Boulevard and Bowman Rd. in Ridgecrest.

Similar time trials are held monthly by the IWV Wheelers for the purpose of improving bicycle riders' speed and endurance.

### FASTEST TIME OF DAY

Fastest time of the day was turned in by Chuck Lewis, an entrant in the men's division, who was clocked at 53 min., 33 sec. Others in the top ten in the men's division (and their times) were:

Bill Whitworth (54:40), Rich Mello (57:58), Melvin Lopez (59:42), Tony Kratz (1:00:38), Al Boyack (1:03:05), Preston Carter (1:03:52), Jerry Gentry (1:04:36), Ken Kirschenman (1:07:28), and Ray Welty (1:13:33).

Two women entrants in the bicycle time trials — Marisa Lewis and Barbara Porter — turned in times of 1:21:58 and 1:26:31, respectively.

### SPECIAL EVENT AT MAMMOTH

Local cyclists have been invited to compete Sunday in a 20-mile ride in the Mammoth Lakes area, the proceeds from which will be used to establish a Michael Leonard Memorial Fund to promote bicycle safety and improve bike paths.

Leonard, whose father, Dr. G. W. Leonard is a former department head at the Naval Weapons Center, was the victim of a fatal accident in which he was struck by a motor vehicle on Highway 395 in the vicinity of the Mammoth Lakes Airport this past June.

Entry blanks for the Leonard Memorial Fund bicycle ride can be obtained at the T. J. Frisbee bike shop in Ridgecrest. The entry fee is \$6 in advance or \$7 on the day of the event. Participants will assemble at 9 a.m. Sunday at the Mammoth Mt. Inn and then pedal down into the Red's Meadows areas and back.

## Softball scores . . .

(Continued from Page 6)

losing by a final margin of 4 runs (18-14).

Two also-rans in the National Division — the High Desert Saloon and the Knights — mixed it up on the final night of the season, with the win by a score of 15-11 going to the High Desert Saloon.

The Saloon squad moved ahead 8-0 in the first 2½ innings of play, and this was enough of an edge to see the team through to its sixth victory of the season. The game's leading hitter was Steve Mendenhall, who had a home run, a triple and a single in four times at bat for the High Desert Saloon.

The Tigers, champions of the three-team Military Division in the Slow Pitch Softball League, defeated Oly's 13-3 and 18-8, during the final week of play.

The Tigers, who had already clinched the title, fashioned a routine win in the first of two games played last week with Oly's — a team that managed to register just 1 win and a tie all season long. A 7-run fourth inning by the Tigers settled any question about a possible upset when they came to bat with just a 4-3 lead after 3½ innings of play. Mark Constable hit a home run for the division leaders in this game.

Two nights later, the Tigers again waited until the fourth inning of what also was a 5-inning game to squelch any hopes for a win by Oly's as they tallied 9 runs to move ahead 14-8. After holding Oly's scoreless in the top of the fifth, the Tigers tacked on four more runs to register an 18-8 win.

Home run hitters for the Tigers in this final game of the season in the Military Division were Robb Ross and Desi Latorre.

## employee in the spotlight

By Beth Payne

"Capturing a moment so that it can be shared with people" is what Jerry L. Morrison likes most about being a photographer.

A Seabee Reservist in the Reserve Mobile Construction Battalion 17's Detachment 0217 at China Lake, he is able to put his talent to work. Jerry's rate and rank is Construction Mechanic Second Class, but he puts in a lot of time as a photographer's mate in the reserve unit.

He became interested in photography after taking a photography class in high school and followed his high school training with subsequent classes from the China Lake Photographic Society and at Cerro Coso Community College. Classes at the college include slide/tape presentations and video productions.

Jerry has produced several multimedia automated slide/tape programs for the Seabees. These include a documentary of a "D" Company drill weekend, a Reserve Naval Mobile Construction Battalion 17 unit active duty for training in 1979, and Operation SEABEE ESPRIT, to be used to inform civilian and military audiences about particular phases of the Seabee Reserve mission.

### Receives Navy Achievement Medal

Last year, he was the recipient of the Navy Achievement Medal. He was commended in a citation that accompanied the medal for the creation of his automated, narrated slide presentations.

Jerry loves all forms of photography, but his special interest lies in productions such as his multimedia slide/tape programs.

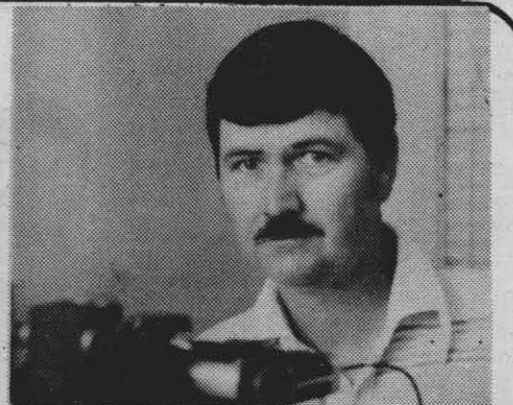
From January through December 1979, he was in a Public Affairs Officer billet in the Seabee battalion which gave him a lot of experience in the realm of public affairs.

For ten years, Jerry has spent one weekend a month with his reserve command. "It's a great organization and I have no plans of leaving in the near future," he said.

The local Seabee reserve unit "assists the community by

"It's a great organization and I have no plans of leaving in the near future."

Jerry Morrison



helping with the ball fields, Children's Center, Community Light Opera and Theatre Association, China Lake Photographic Society and the school grounds. The NWC Commander's support is essential in our projects because he makes the equipment available for our use," Jerry said.

"Our unit is one of the more active reserve units. We have equipment at our disposal that enables us to have active and ongoing projects," he added.

### Enjoys downhill/cross country skiing

Jerry's regular job is in the Transportation Division of the Public Works Department as a heavy duty mobile mechanic. His work in the field section takes him out to the test range areas.

As a mechanic he works on pick-up trucks, fork lifts and construction equipment to keep them running and functional.

In his free time, and always with a camera, he enjoys snow skiing at Mammoth Mountain, where he manages to escape for relaxing weekends in the winter. As well as down hill skiing, Jerry likes cross-country skiing "because it's quieter and it's easier to take my camera along the trails with me," he said.

While fishing with his son and father in the Mammoth area during the earthquake of 1979, Jerry captured some of the devastation in that area caused by the earthquake. He submitted some black and white pictures along with a story about his experience to a local newspaper.

Jerry frequently submits Seabee Reserve pictures to the ROCKETEER and is thought of as a topnotch photographer.

Jerry and his wife, Marie, who is branch secretary in the NWC Weapons Department's Missile Software Branch, have two children. Chris is an 18 year old electronics major at Cerro Coso Community College; Stephanie is 16 years old and attends Burroughs High School. The Morrison family also enjoys traveling to Santa Barbara for a weekend on the coast.

## Trout fishermen do well in High Sierra . . .

(Continued from Page 6)

evening. Purple Lake browns and rainbows like flies (attach these to bubbles here), and the brook trout at Skeleton Lake like eggs and worms.

Lots of browns, rainbows and brookies at Lake Mamie chase a red and white flat fish on seven-color lead core line, provided that the trolling is deep. At Lake George, using Panther Martins, eggs and worms will result in good catches of brookies and rainbows. Impatient fishermen can catch a quick limit at Twin Lakes if they troll in the morning with flies.

Flies and worms are working best at the Rock Creek Lakes for brookies and rainbows, but the rainbows at Duck Lake prefer Phoebe's, black worms and flies. Trolling at Convict Lake with Dave Davis lures, worms or eggs will result in a plentiful catch of browns and rainbows.

The perch fishing at Crowley Lake is

Ridgecrest Recreation			
Slow Pitch Softball League			
Final standings for 1981 season:			
Team	W	L	T
Men's American Div.			
Stare Montagne	14	4	0
ARCS	12	5	1
Pizza Villa	11	7	0
NWC's Oly	9	9	0
CSC	5	13	0
ERA Raiders	5	12	1
Vaughn's	2	16	0
Men's National Div.			
Villains	14	2	1
Renegades	11	4	2
NWC Varsity	10	7	0
Knights	8	8	1
High Desert Saloon	6	11	0
Clancey's Home Center	5	12	0
Women's Division			
High Desert Home Center	16	3	0
CSC	15	4	0
Kelly's Earthworks	13	4	1
High Desert Imports	13	4	0
IWV Dairy	9	8	0
Rosas Roofing	7	11	0
Hot Trotters	6	11	0
Home Town Realty	5	11	1
Foxhills	2	16	0
NWC Gaffin Girls	1	15	0
Military Division			
Tigers	11	2	0
Rippers	6	5	1
Oly's	1	11	1

great when fishermen load their hooks with nite crawlers, eggs and worms. Fishing at Hot Creek is limited to barbelhops, but the rainbows and browns caught make the effort worthwhile.

A five-pound rainbow caught in the upper Owens River last week joined his buddies in going for nite crawlers and eggs. Many smaller fish are also being caught.

South Lake (out of Bishop) reports good fishing with mainly rainbows being caught by those who troll using Needlefish and Dave Davis lures. The South Fork of Bishop Creek is being planted twice a week with pan-sized rainbows who like worms and eggs.

Lake Sabrina fishermen are trying to match the four-pound rainbow caught last week on a Rapala, but anyone trolling with that lure can expect a good catch. A five-pound rainbow was caught while still fishing using eggs.

Big Pine and Baker Creeks report good fishing with rainbows going after both eggs and worms, but the 12- to 15-inch rainbows in Independence, Oak and Symmes Creeks prefer salmon eggs. Salmon eggs are also the preferred bait for Goodale and taboose Creeks. Lone Pine and Tuttle Creeks have a lot of rainbows in the 12-inch category that like salmon eggs and worms.

Have a productive weekend!

## Promotional opportunities

(Continued from Page 2)

management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. **Secretaries applicants are now required to complete Supplemental Qualifications Statement** in order to be evaluated. In addition to submitting SF-171's. These can be picked up in the reception area of Personnel Building.

**Announcement No. 39-022, Electronics Engineering Technician, GS-856-9/10, PD No. 8139040N, Code 3924** — Position is located in the Electronic Systems Branch, Weapons Development Division, Weapons Department. The position assists in the design, construction, packaging, and test and evaluation of electronic subsystems used on guided missile and related hardware. Designs and integrates specialized instrumentation circuitry as required to support test and evaluation of subsystems/systems. **Job Relevant Criteria:** Ability to fabricate, install, and evaluate missile guidance and control systems/subsystems; ability to test experimental models including the ability to develop valid test procedures; knowledge of electronic components, basic circuit theory, mathematics and electronic test equipment; knowledge of military specifications and environmental conditions.

**Announcement No. 8-62-9, Interdisciplinary, DP-855 & 856, Code 8-62-9, PAC Nos. 816252 or 816253, Code 62354** — This position is located in the On-Axis Section, Range Development Branch, Range Instrumentation Support Division, Range Department. Incumbent will work on the On-Axis Development Program relating to the application of electronic design principles to meet specified functional performance requirements of electronic systems. **Job Relevant Criteria:** Knowledge in microprocessor system design; digital system design; radar, television, and encoder/resolver.





## Plans announced for reunion golf tourney Sept. 11-13

Preparations are being made for an invitational reunion golf tournament that will be held on the weekend of Sept. 11-13 at the China Lake golf course.

The tournament committee, headed by Cdr. Jim Kincheloe, extends a cordial invitation to all present and former NWC-NOTS "duffers" to compete in this event, which is to be staged as a 4-man scramble.

Foursomes will be arranged by the tournament handicap committee, and will include one golfer each from Division A, B, C and D.

Golfers' handicaps will be the basis for placing them in one or another of the golf tournament divisions. Those who do not have a current handicap will not be barred, but will be asked to make a guess about their handicap score as an assist to the tournament committee in evening up the competition.

The invitational reunion golf tournament weekend will begin with a social hour and hors d'oeuvres at the Commissioned Officers' Mess at 6:30 p.m. on Friday, Sept. 11.

Golfers will tee off, using a shotgun start, at 9 a.m. on Saturday, Sept. 11, and play the opening round that day. In the evening, starting at 6:30, there will be a dinner and dance on the patio at the Chief Petty Officers' Club.

The tournament will be concluded on Sunday, Sept. 12, with another round of golf scheduled to get underway at 9 a.m., followed by a buffet lunch and the presentation of awards at the CPO Club at 3:30 p.m.

### LARGE TURNOUT EXPECTED

Since the tournament committee anticipates a large turnout for this event, all those interested in participating are encouraged to turn in their completed entry forms as early as possible, and no later than Sept. 8.

There is an entry fee of \$25 per golfer to cover the cost of playing golf and the dinner and buffet at the CPO Club. Guests of golfers who will be present for the dinner and buffet will be charged \$8 each.

Entry forms can be turned in at the China Lake golf course pro shop or given to Cdr. Kincheloe, Ed Donohue or Dick Bauers.

## Trout fishing continues good at High Sierra lakes, streams

Local anglers who like the delicate flavor of trout should check their fishing gear and plan to head north this weekend for any of a number of spots that are reported teeming with hungry rainbows and browns.

Both rainbows and browns weighing as much as two pounds are being caught at Bridgeport Lake. Still fishermen and trollers report their best success with nite crawlers, Rapalas, and Needlefish. The rainbows and browns at Twin Lakes are snapping at bait, lures, and flies, as are the trout in West Walker, Little Walker, Buckeye, and Robinson Creeks.

Rainbows in the 10-inch size range are going for baits, lures and flies in the Virginia Lakes, with the fly fishing being particularly good in the evening for those who use a fly and a bubble. East Walker has been good for fly fishermen stalking browns that are 12 to 16 inches long.

In the Lee Vining area, Tioga and Ellery Lakes have been good for 8- to 12-inch rainbows that like worms, eggs and flies; best fishing here is in the evening. Saddlebag Lake has excellent fishing for pan-

## Final games played in Slow Pitch Softball League

The final games were played last week between teams vying in Men's Division and the Military Division of the Ridgecrest Recreation Department's Slow Pitch Softball League.

Stare Montagne hung on to win the title in the American loop, despite a 1-run loss (24-23) to Pizza Villa. The next night, however, Stare Montagne regained its winning stride by defeating CSC 21-17 in what was another free-scoring game.

Two home runs by Scott Smith were instrumental in Pizza Villa's win over Stare Montagne. Smith had a perfect night at the plate as he also picked up a single to go with

his two circuit clouts in the three times that he was at bat.

In the 5-inning contest between Pizza Villa and Stare Montagne, the Pizza Villa team trailed 13-10 after three innings of play, but then broke loose to score 10 runs in the fourth inning and turned the tide in its favor.

Pizza Villa needed every one of those 10 runs, plus 4 more in the last half of the fifth inning to win the game, as Stare Montagne came up a single run short after scoring 3 times in the fourth inning and 7 more runs in the fifth and final inning of play.

Stare Montagne got back into winning form against CSC, but it took a 7-run rally in

the bottom of the fifth and final inning to decide the outcome of the game. The champions of the American Division trailed by a score of 17-14 when their last turn at bat rolled around, but they succeeded in turning a near defeat into victory.

Home run hitters for Stare Montagne were Benny Williams with two, and Dave Kurdeka, who also had a round tripper.

In their final game of the season, the Villains, champs of the National loop, handed a 17-10 setback to the second place Renegades. The score in this game was tied at 8-8 after five innings of play, but 8 runs by the Villains in their next turn at bat settled the issue.

Dale Evans had 4 hits in 4 times at bat for the Villains, including two home runs and two doubles, while Ernie Bell, also of the Villains, was 3 for 4 at the plate as he hit a home run, a double and a single.

Joe Lewis led the Renegades on offense — getting two triples and two singles in four times at bat.

### RESULTS OF OTHER GAMES

Scores of other games played in the men's open division were ARCS 22, NWC O's 6; NWCO's 22, Vaughn's 7; High Desert Saloon 15, Knights 11; and ERA Raiders 18, Vaughn's 14.

After a slow start in which they scored just three times in the first two innings, the ARCS team broke loose for 10 runs in the third and 9 more in the fourth enroute to an easy win over the NWC O's. Alan Turner paced the victors with a home run, a double and two singles in four times at bat.

The NWC O's were able to finish the season with a win-loss record of .500, thanks to an easy 22-7 win over Vaughn's — a team that ended in the cellar with just two wins compared to eighteen losses. An 11-run fourth inning by the NWCO's left little doubt of the game's final outcome.

In its final game of the season, Vaughn's gave up 8 runs to the ERA Raiders in the Raiders' first time at bat, and was unable to make up for this early deficit and ended up

(Continued on Page 7)



**EL DORADO REPEATS AS CHAMP** — The El Dorado team from Lancaster successfully defended its District 51 Little League championship by defeating Rosamond 14-0 in a game played last Friday night at China Lake Little League Diamond No. 4. As this photo was taken, Aaron Andrus, the game-winning pitcher for El Dorado, slides in under the tag of Brian Tunnell, the Rosamond catcher, to score another run for the District 51 champs. The El Dorado team wrapped it up in three innings by scoring four runs in the first, six in the second, and four more in the third while shutting out Rosamond. The victors parlayed ten hits, four walks, four wild pitches, and five fielding errors by the Rosamond team into a 14-0 win.

## China Lake Soccer Club to play Sunday at Bishop

Players representing the China Lake Soccer Club will tangle with their counterparts from Bishop in a game that will be played at 2 p.m. Sunday at Millpond Park, located north of the City of Bishop.

Among those scheduled to see action for China Lake are Klaus Schadow, Jeff Grossman and Paul Weimholt at the forward positions, and midfielders Karl Kauffman, Paul Wydra and Jim Moore.

Prominent among the defensive players for the China Lake team will be Dave Tavaras, John Piri, Ross Heimdahl and Nadir Kury, while George Mills is slated to start as the goalie.



**TENNIS TOURNAMENT WINNERS** — First place winners in the various divisions of the China Lake Tennis Club's annual doubles tournament assembled for this photo last week. They are (standing, l.-r.) John Patterson, Barbara Hintz, Liz Langsjoen, Barbara Beyer, and Bob Forrester, and (kneeling, from left) Suzanne Haney, Todd Hintz, and Ruth O'Neil. Patterson and John Haney (not present) were the men's Class B finalists; Barbara and Todd Hintz won the Class B mixed doubles; Langsjoen and Beyer are the women's class B champs; Forrester was joined by O'Neil in winning the Class A mixed doubles title in a match against Haney and Dick Boyd. Mitch Bridge and Bryce Maples, winners in the men's Class A doubles, were unable to be present for the photo.

(Continued on Page 7)

## Example of inter-service cooperation

# Range Control Center communication gear installed

A prime example of inter-service cooperation is now in evidence at the Naval Weapons Center's new Range Control Center building where personnel from Air Force and Army units that specialize in installing complex communications equipment are at work.

The Air Force personnel, including two civilian engineering technicians, are here from the 1827th Electronics Installation Squadron headquartered at Kelly Air Force Base in San Antonio, Tex.

Now reduced to a third of the total number of 14 Air Force personnel who have been here at times since arriving last March, the USAF group is headed by M/Sgt. Frank L.



### TROUBLE SHOOTING DEVICE

Two civilian engineering technicians employed by the Air Force have a look at a radio selection unit that can be used by maintenance personnel to troubleshoot and checkout the OJ-314 Communications Control System without interrupting its operation. Shown above are Charles Martin (on left) and Paul Olsen.

Battle. They expect to complete their task here and move on to another such assignment by the middle of this month.

The principal responsibility of the Air Force personnel and their civilian co-workers is the installation of the OJ-314 Communications Control System at the Range Control Center (RCC). This is a communication key system that will provide the means for transmitting information by up to 60 operators in the RCC — giving them the capability of utilizing as many as 75 radio phone channels, and 30

telephone lines. It also is a complete inter-communication network between operators at the various stations within the RCC.

A pre-installation survey was made by Air Force personnel, the various components that go into the OJ-314 Communications Control System were shipped here, and the job began five months ago.

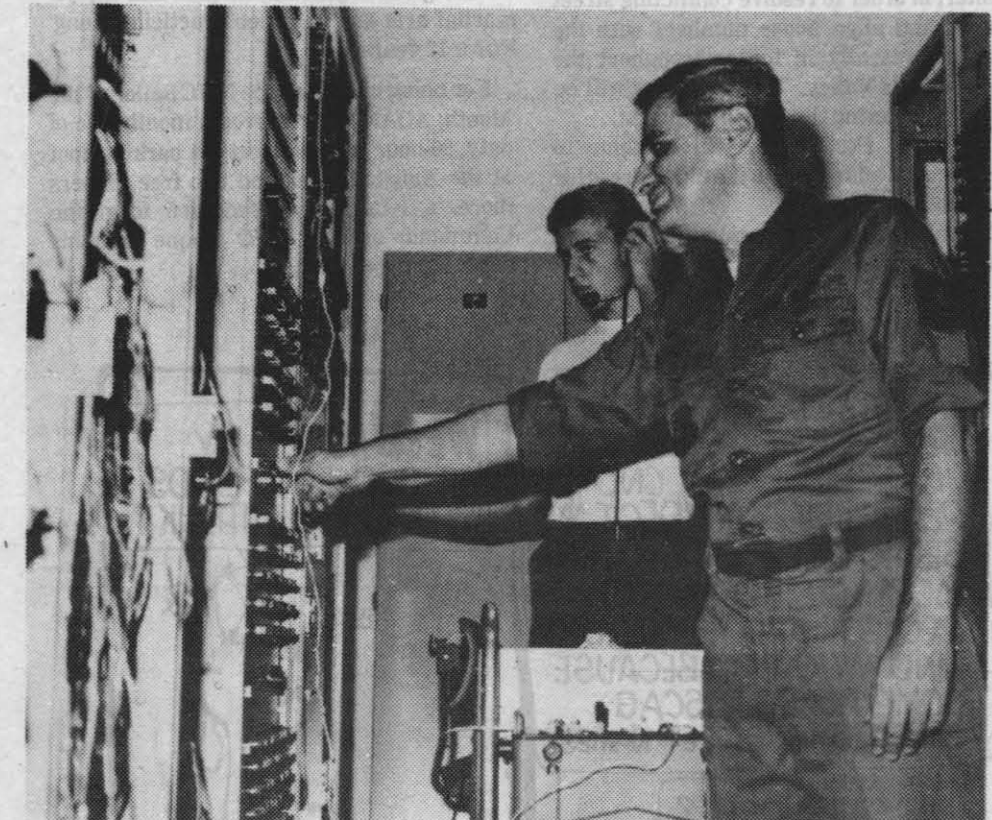
The work includes installation of radio selection units that can be used by maintenance personnel to troubleshoot and checkout the system without interrupting its operation. Approximately 80,000 feet of cable has been installed in the RCC, along with 23,000 cable or communication line termination points.

The principal functions of the RCC, which is located east of Armitage Airfield at the intersection of Water Road and the range access road to Charlie Range, will be the operation, monitoring, and control of test ranges and instrumentation on all northern ranges, plus selected ranges in Randsburg Wash and the Mojave B areas. This includes the monitoring and control of test aircraft (including drone targets), data collection and reduction, the surveillance of restricted airspace, and the scheduling of range resources.

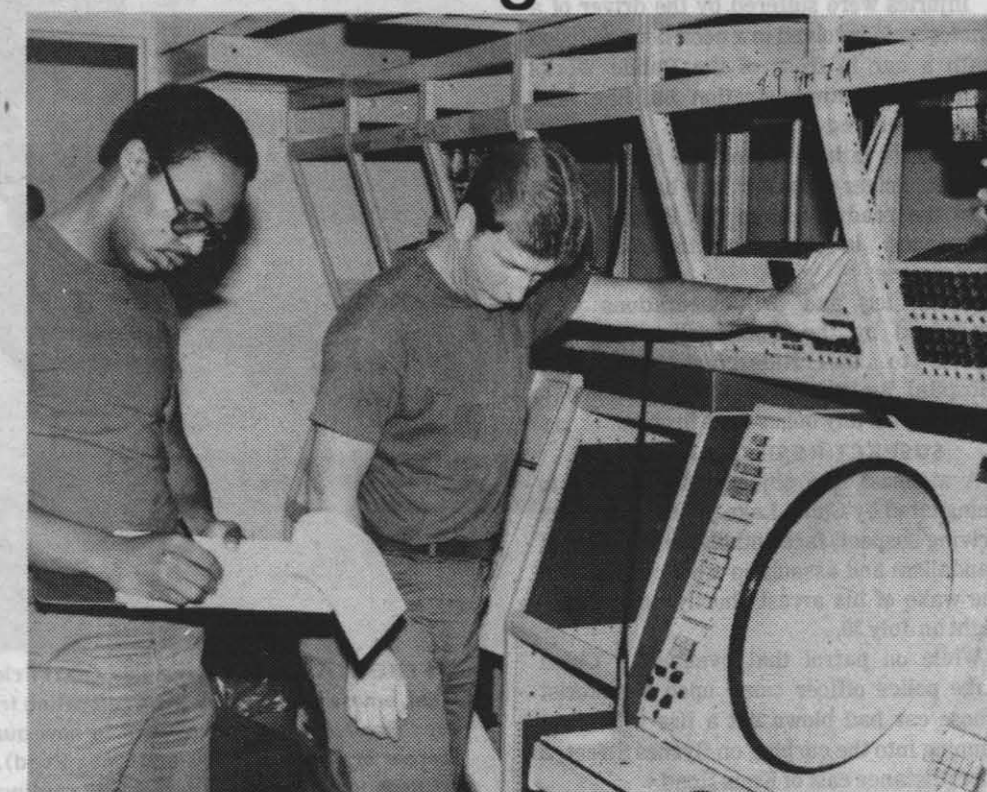
Army personnel who are involved in installing communications equipment at the RCC are members of Co. A of the Communications Electronics Installation Battalion at Fort Huachuca, Ariz. In addition to their work at the RCC, they are



**CABLES APLENTY** — Army S/Sgt. Dwayne Dickerson prepares to install cables that are placed beneath the floor of the Range Control Center's Video Operations Center.



**LOOKING GOOD** — Air Force M/Sgt. Frank Battle (in foreground) lends a hand to Airman 1st Class Barry Benton as they check out an interposition intercom on the OJ-314 Communication Control System.



**LOOKING FOR "BUGS"** — Airman 1st Class Mike Lomax (at left) and Senior Airman Steve Thomas run a check to determine if there is any cross talk interference between radio and telephone lines that are a part of the OJ-314 Communication Control System. This unit sits atop state-of-the-art radar equipment that simultaneously can handle signals from up to 11 surveillance radars.

upgrading 15 downrange sites and integrating the communications at these distant points with that at the RCC.

Team leader of the Army personnel is Sgt. 1st Class Johnny P. Tiller, who heads a 12-member group that also includes two civilian employees of the Army. In addition to the communications effort, the Army personnel also have been involved in the installation of the RCC's Video Operations Center, Metric Video Center, and Timing Center (where all timing for range tests is controlled).

The Army men also have installed microwave, UHF and VHF antennas on the 65 ft. tower erected alongside the RCC. This

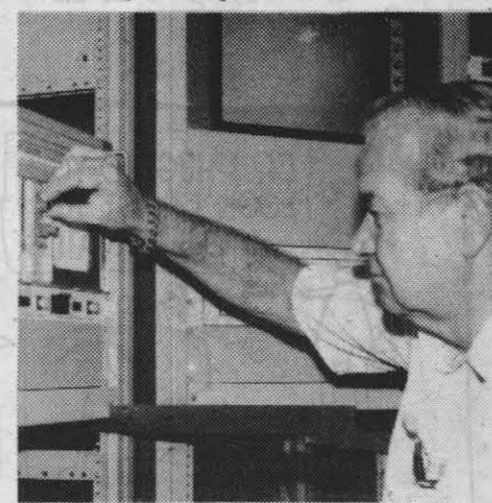
## Photos by Don Cornelius

work is headed by Sgt. 1st Class Joseph Radosevich.

The work by both Air Force and Army personnel is being overseen by O. J. Dove, a representative of the Naval Electronics Command, who is here along with Larry Pafford from the Naval Electronics Laboratory Systems Engineering Center in San Diego.

Knowing of the specialized needs for communications system installation at the RCC, Dove requested and received the cooperation of both Air Force and Army commands in carrying out this vital phase of the complex task of getting the RCC ready to go into operation.

Dove expressed pleasure at the proficiency and professionalism of the



**TESTING** — Joe Markunas, a civilian electronics technician for the Army, tests the switching output of the RCC Video Center. Markunas installed most of this equipment.

highly skilled Air Force and Army specialists assigned to carry out this task at NWC, and noted as well the excellent manner in which they have co-operated with one another as the work has progressed.



**WORKS ON ANTENNA** — Army Spec. 4 Daryl Jones, who is completing the installation of an antenna at the top of the tower, is a member of the team headed by Sgt. 1st Class Joseph Radosevich that is involved in installing microwave, UHF and VHF antennas on the RCC's 65 ft. tower.

## VX-5 personnel look sharp in summer uniforms

An all-hands inspection of personnel attired in summer white uniforms was held in mid-July by Air Test and Evaluation Squadron Five (VX-5).

The inspection was conducted by Capt. P. F. Hollandsworth, Commanding Officer of VX-5, who was accompanied by Capt. N. S. Nash, Executive Officer, and AVCM Melvin McCallister, Master Chief of the Command.

Squadron personnel were reported to be impressive in their well-pressed uniforms and polished shoes — indicators of a high level of pride in personal appearance.

Capt. Hollandsworth expressed his satisfaction with the inspection by stating: "VX-5 Vampires are professionals and proud of it. Their uniforms and overall appearance are indicative of the quality of the personnel, and of their work."



## Police

## reports . . .

Injuries were suffered by the driver of a motorcycle involved in a noon-hour collision with a car in front of the Public Works Department administration building. The mishap occurred on July 30.

Cited for failure to yield the right of way was the driver of the car, who had pulled out into the roadway from the Public Works compound in front of the eastbound motorcycle.

Head, leg and arm lacerations were sustained by the motorcyclist, who was taken to the Ridgecrest Community Hospital for treatment and a checkup to determine if any bones were broken.

## SUSPECT RESISTS ARREST

A motorist who objected strenuously to being cited by China Lake police as a drunk driving suspect, faces additional charges of vandalism and assault on a police officer in the wake of his arrest shortly before midnight on July 30.

While on patrol that evening, a China Lake police officer came upon a motorist whose car had blown out a tire after first running into the curbing on Byrnes Street, a short distance east of Knox Road.

Upon learning that he faced a drunk driving charge, the motorist resisted arrest and, when placed in the rear seat of the patrol car, kicked so hard that he broke the glass in the left rear door and also damaged the door itself. Damage to the police patrol car was estimated at \$700.

## VANDALISM REPORTED

Three incidents of vandalism in the Capehart A and B housing areas were reported last Friday and Saturday to China Lake police.

A large living room window at 2019 Coral Sea Circle was shattered by a round, steel pellet possibly propelled by someone using a slingshot. Damage was estimated at \$215.

Last Friday afternoon, the right rear window was broken on a passenger car parked in front of 335-A Vieweg Circle. Cost to replace the window was set at \$100.

Around midday last Saturday, occupants at 932 Young Circle informed police that a rock had been thrown through a window causing \$30 damage.

## WALLET TAKEN FROM BARRACKS

Police were notified last Friday morning of the theft of a wallet and its contents from a room in Navy Barracks 880. The victim reported that his wallet, which contained \$96, was taken from on top of a desk in his room.

## WOMAN'S PURSE STOLEN

Information on the theft of government property was provided Monday morning to China Lake police by an NWC employee whose purse was stolen between 12:30 and 1:20 a.m. while she was at J.D.'s in Ridgecrest. Contents of the women's purse included an NWC pass and government key to a classified area on the Center.

## CAR STEREO MISSING

The disappearance of an AM-FM 8-track stereo tape player from his car in the BEQ vest parking lot was reported Monday morning to China Lake police by the theft victim. The car had been locked but a window was left open slightly for ventilation. Value of the missing stereo tape player was set at \$125.

## BURGLARY AT CPO CLUB POOL

China Lake police are investigating a burglary of the lifeguard shed at the Chief Petty Officers' Club swimming pool.

Missing from the unlocked shed are a variety of items, including a girl's swimming suit, beach towels and sun tan oil. The loss was estimated at \$132.

## MOTORCYCLE DAMAGED

Vandals caused damage estimated at \$190 to a motorcycle that was left late Monday night in the parking lot at the intersection of South Richmond Road and East Ridgecrest boulevard.

The owner of the motorcycle returned Tuesday morning to find that a rear seat had been chopped off and spark plug wires were cut.



ON THE MOVE -- It's moving day next Friday, Aug. 14, for the Personnel Department, whose employees will be relocating from the old 2-story barracks near Lauritsen Road and Blandy Avenue to new quarters (for them) at 505 Blandy Ave. (corner of Blandy Avenue and Knox Road). Shown getting into the swing of preparations for this activity, which will continue over the weekend and on Monday as well, are Kate Clark (at right), the Personnel Department's employment information receptionist, and Cheri Neil, a clerk in the Employee Management Relations Division. Desks, chairs, office equipment, and volumes of files all will be moved to the building that formerly housed the Electronic Warfare Department. The Personnel Department expects to be able to resume its normal operations by Tuesday, Aug. 18.

— Photo by Don Cornelius

## External degree program . . .

(Continued from Page 1)

field.

The Center began a graduate program in Electrical Engineering with Cal-State Northridge in the fall of 1978. Dr. Jagdish Prabaker, program advisor, congratulated Brent Nave for being the first graduate of this external degree program. About 30 additional students are currently enrolled and have completed varying amounts of the requirements.

Both graduate and undergraduate computer courses are being offered for external degree programs here by Cal-State Chico. The critical shortage of trained computer personnel led to the initial graduate program at NWC being expanded during this past year to include undergraduates as well.

Those receiving their master's degrees in Computer Science were Jack Crawford and Ray Martinusen, with Gene Schneider expected to complete the program shortly. Steve Beattie is the first person to complete the local bachelor's degree program.

The long term training program has been in operation locally for 30 years. Under this program, both graduate and undergraduate students are sent to university or government facilities at full government expense for more than 120 working days. Up to 20 employees per year may be enrolled in long-term training.

Dr. Ed Royce, head of the Research Department, introduced Daryl Hinman and Jay Hodge, both of whom completed Electronics Engineering degrees at the

University of Southern California in June.

Recognized also were Pat Nalley, who will receive a master's in Electrical Engineering from the University of California Los Angeles as soon as he completes his thesis; and Scott Shumway, who is about to complete his studies to receive a master's degree in Engineering Management from the University of Utah.

Still involved with advanced studies are Clifford Bicker (University of California at Davis), Arthur Spiegel (Cal-State Los Angeles), and Ted Smith (Utah State University at Logan).

Extending their fellowships to continue studies during fiscal year 1982 are Carolyn Merlo (Naval Postgraduate School, Monterey), Dan Wagner (Cal-State Northridge), Sharon Werle (Cal Poly, San Luis Obispo), and Madelyn Fortune (Cal Poly, San Luis Obispo).

## Work of changing home addresses is continuing

Public Works Department employees are still at work changing several street signs and all residential address markers on the Center, in order to resolve conflicting street names and align house numbers with the system presently in force throughout the Indian Wells Valley. These changes will be completed during the month of August.

The local Post Office will continue to deliver mail addressed to the old address for up to one year.

For additional information, contact Bart Parker by calling 3411, ext. 418.

## AOAN Timothy Hill selected as NWC's Sailor of Month

Aviation Ordnanceman Airman Timothy M. Hill has been recognized for his outstanding performance by being selected as the Naval Weapons Center's Sailor of the Month for June.

AOAN Hill is presently assigned to the Search and Rescue Helicopter Crew as a UH-1N maintenance technician, plane captain and aircrewman.

A letter of nomination written by Lt. Dennis K. Wilcox states that "since being assigned to the experimental work center 350 in December 1980, he has quickly proven to be a most reliable and competent individual. On numerous occasions, Airman Hill has voluntarily worked beyond normal working hours to maintain the high state of readiness of the Center's Search and Rescue helicopters."

At the time that the letter of nomination was submitted, AOAN Hill had participated in three rescues and played a significant part in their successful completion.

Most recently, over the Fourth of July weekend, AOAN Hill assisted in the search for a missing mountain climber on Mt. Williamson.

As a member of the SAR crew he participates in medevacs when a patient needs to be transported from one hospital to another.

When Airman Hill isn't participating in SARs, he performs maintenance work on



AOAN Timothy M. Hill

helicopters in order to keep them in a readiness condition.

Airman Hill enjoys his job because he likes flying.

Originally from Independence, Mo., he and his wife, Janet, have been at China Lake for a year and a half and enjoy the open space of the desert area.

During off-duty hours, Airman Hill enjoys martial arts and has been practicing Kung Fu for 12 years.

For being chosen as the NWC Sailor of the Month, AOAN Hill received a month free of duty, 96-hour special liberty, a parking spot at the Enlisted Mess and two free dinners there, a letter of appreciation from the Command, and an NWC plaque with his name engraved on it.



DRAINAGE SYSTEM IMPROVED — Workmen for the James W. Ford Co. of San Bernardino are busy with the task of regrading drainage channels and installing new drainage pipe along Knox Road from a point just south of Blandy Avenue north to the vicinity of the sewage disposal area ponds. A contract for this

project totaling \$143,000 was awarded in mid-June and the work is scheduled to be completed by the end of October. This week, vehicle operators entering the main parking lot at Michelson Laboratory have had to exercise care getting around the construction work.

—Photo by Don Cornelius

## NWC personnel attend NATO meeting held in Norway

Three of the Aircraft Weapons Integration Department's personnel escaped desert heat this summer by heading for the land of the fjords.

Bill Ball, head of the Avionics Facilities Division, joined by Tom O'Neill and Harvey Nelson, flew to Roros, Norway, for a meeting of the NATO Advisory Group for Aerospace R&D (AGARD). Ball is a member of the Avionics Panel of AGARD, and O'Neill and Nelson both presented invited papers at the 41st Symposium of the Avionics Panel.

The purpose of the panel is to promote international cooperation in avionics research and development that finds an application in the aerospace field, for the overall benefit of the NATO community.

Members of the panel are designated by national delegates to AGARD from each NATO country; appointments are usually for three years, with terms being renewable (Ball, who represents the U.S. Navy, is in his second term).

The panel meets in various NATO countries; fortunately, all business is carried on in just English and French rather than the full range of NATO languages. About 25 papers are presented at each of the panel symposia.

As well as the general panel symposia, the Avionics Panel also sponsors lecture series

pinpointing special topics of interest to a particular nation, sends in technical teams to help a member nation meet a particular problem, and can call specialists' meetings during which some highly detailed subject can be discussed.

O'Neill, Technical Manager of the F/A-18 Weapons System Support Facility (WSSF), presented a paper describing this facility at NWC.

Since the F/A-18 is much more complex than aircraft currently deployed, more sophisticated support tools will be required; the main support tool is the WSSF, which has the hardware and software necessary to test, modify, and validate all the avionics hardware, software and firmware. Heart of the WSSF is minicomputers and super minicomputers.

By use of these computers, various subsystems of the aircraft can be modified and tested through flight simulations. Only when a new system has been rigorously tested through such flight simulation will it then be tried on the actual aircraft to ensure that it indeed does work as demonstrated. The saving in both money and time for the Navy of such an approach is enormous.

By use of the distributed processing approach — the use of a number of minicomputers rather than one large computer — each individual computer can

be dedicated to meet a particular type of need and, as other needs arise during the life of this new complex aircraft, additional minicomputers can be employed to meet these currently unforeseen needs.

NWC has had a long and successful history of supporting aircraft by using the WSSF approach (A-6, A-7, A-4, and AV-8B). By providing a WSSF for the F/A-18, NWC will succeed in reducing long-term cost and manpower requirements dramatically.

Nelson, head of the Facilities Engineering Branch, presented a paper on State-of-the-Art Computer Monitoring Equipment, the equipment required to let developers and maintenance personnel know in detail what is happening inside the tactical airborne computer on a real-time basis. This need is especially felt for a distributed system.

Nelson's paper described a hardware monitor called SOVAC (software validation and control) that provides a high-capacity, real-time, user selective "window" that gives visibility into the internal

## Care, use in setting of hot water heater saves energy, cash

That water heater bubbling away quietly in a corner or a utility room can be a tremendous energy hog and drain on the family's utility bills.

A 40-gallon tank is large enough to take care of the needs of an average family of four people; having a tank that's excessively large wastes energy.

The ideal setting for a household that has a dishwasher is about 140 degrees; households without a dishwasher need to set their hot water thermostats at a mere 110 degrees to provide adequately hot water. For every 10 degrees that the temperature setting is increased, the cost of hot water rises by about 3 percent.

Good tips to conserve hot water (and save dollars) include insulating the heater properly, and watching hot water use. For instance, a shower (one that lasts less than 5 minutes) will take at least 5 gallons less hot water than a bath. Since the average dishwasher uses 14 gallons of hot water per load, a full dishwasher puts the water needed to better use. The "rinse-hold cycle" of a dishwasher uses from 3 to 7 gallons of hot water each time; it should be avoided by scraping the dishes well or by using only a cold water rinse.

If every dishwasher in the country did only one less load per week, almost 15 million kilowatt-hours of electricity would be saved every day.

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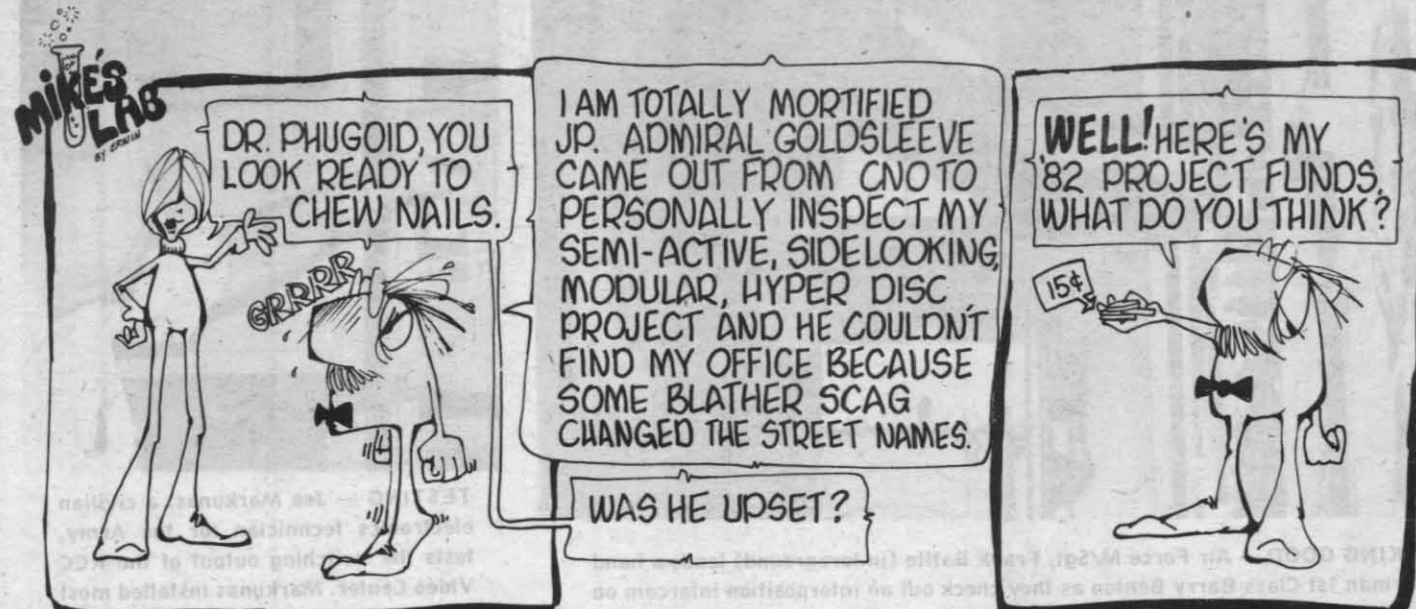
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APPLAUSE IN ORDER — Dr. Peggy Rogers receives applause from Caspar Weinberger, Secretary of Defense, as Robert J. Murray, Under Secretary of the Navy, congratulates her on being awarded the Department of Defense Distinguished Civilian Service Award. A reception honoring Dr. Rogers will be held on Tuesday from 5:30 to 6:30 p.m. at the Commissioned Officers' Mess. Friends and former co-workers of Dr. Rogers are invited to attend; those planning to be present are asked to call NWC ext. 2634 so that name tags can be prepared for them.